Technical Guide: Fraser-Johnston® Relia™ UV28 to UV50 and UH28 to UH50

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Contents

Unit components

Figure 1: Component location

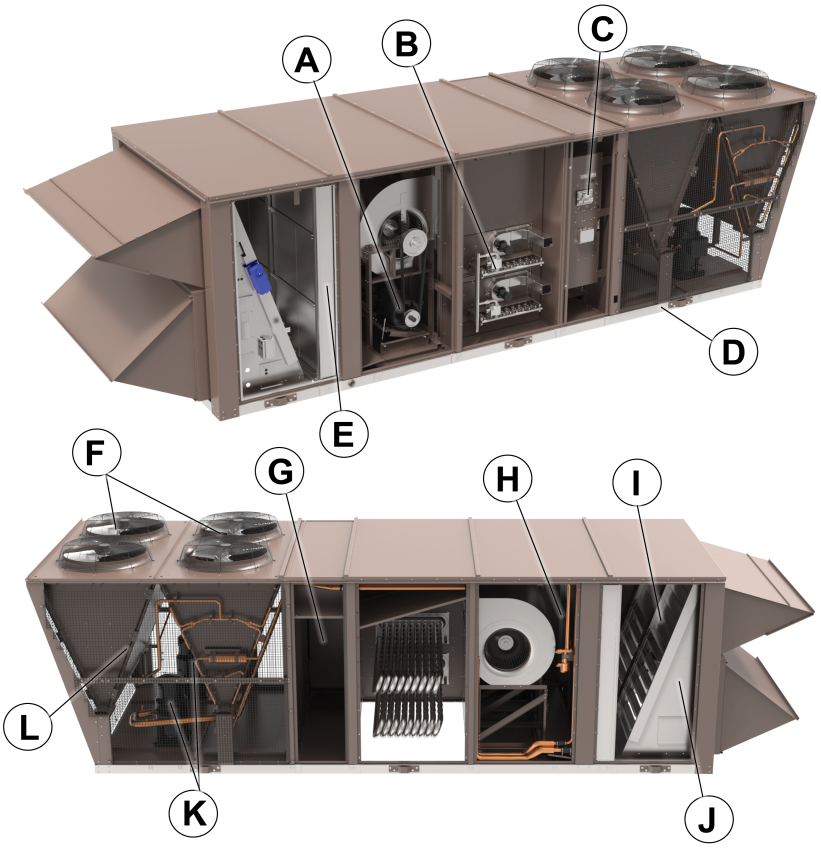
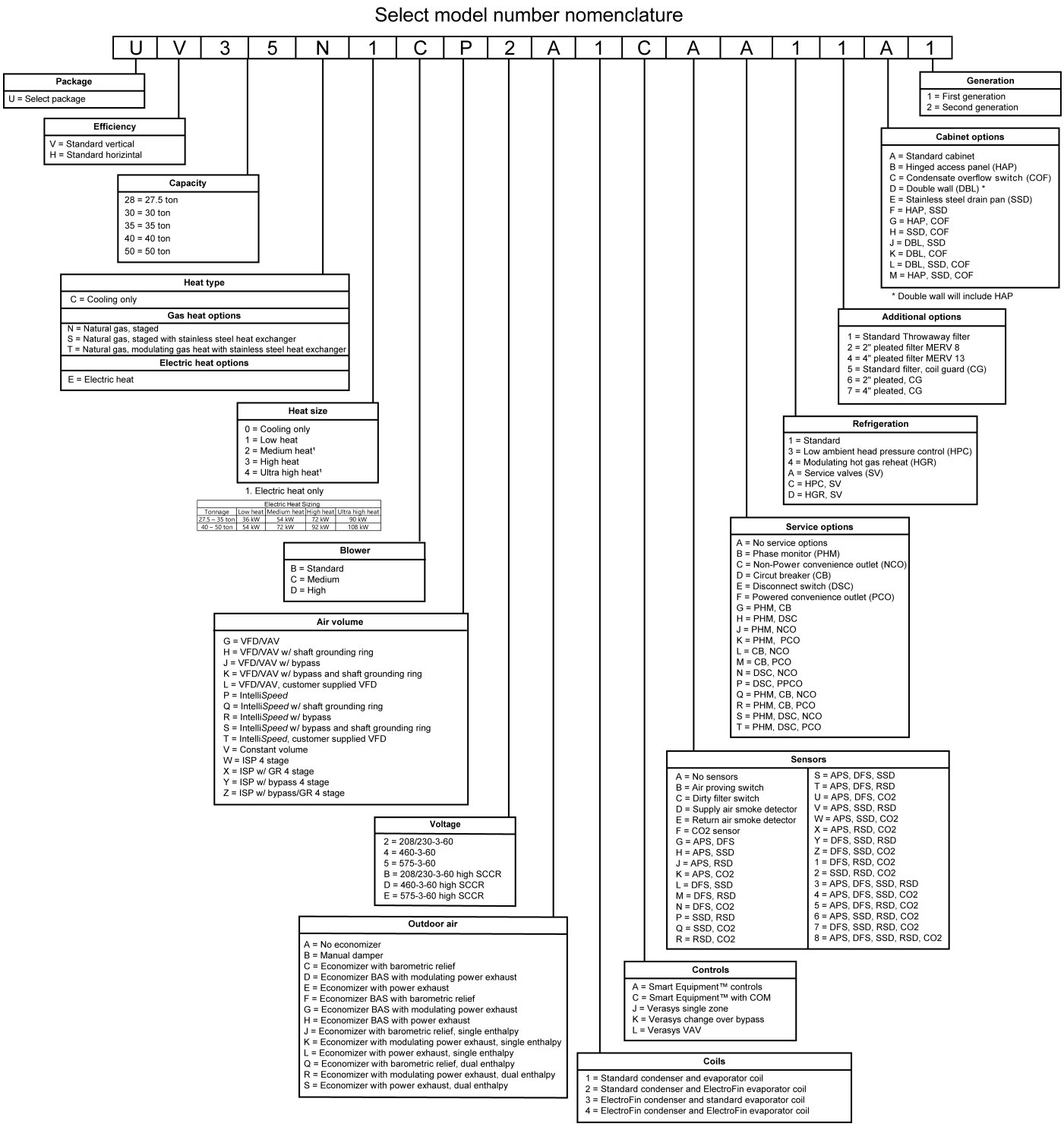


Table 1: Component location table

Item	Description	Item	Description
A	Belt drive blower motor with dual centrifugal fan design	G	Optional variable frequency drive location (VFD not shown)
B	Optional staged or modulating gas heat with aluminized or stainless steel heat exchanger. Optional electric heat not shown	H	Copper tube/aluminum fin evaporator coil
C	Smart Equipment™ controls	I	Optional economizer. Optional manual outside air dampers not shown
D	Full perimeter base rails with attached lifting lugs	J	Optional powered exhaust or barometric relief location (not visible)
E	Filter access, 2-in. or 4-in. filter options	K	Scroll compressors in various arrangements to produce two stages or four stages of cooling, depending on the selected model
F	Condenser fans	L	MicroChannel condenser coils

Nomenclature

Figure 2: Product nomenclature



Features and benefits

Standard features

Fraser-Johnston® Relia™ Select units have the following standard features.

Efficiency

Available in standard efficiency cooling only and gas heat, Select units achieve up to 11.1 EER. IEER ratings as high as 16.2 are specific to each model's heat type and indoor airflow selection to provide dialed in efficiencies for every model classification.

Indoor airflow options

Each tonnage has an industry-leading selection of indoor airflow options available for maximum customization to meet the needs of each job site. Constant volume, IntelliSpeed, and variable air volume (VAV) configurations each have a dedicated airflow and compressor staging algorithm designed to maximize efficiency and reliability. Variable airflow models, IntelliSpeed or VAV, include a factory installed variable frequency drive (VFD) to modulate the blower airflow.

Refrigerant circuits

All models contain a dual circuit refrigeration design with multiple compressor staging options dependent on the selected airflow option. Constant volume and 2-stage IntelliSpeed models have two stages of cooling operation, and 4-stage IntelliSpeed and VAV models have four stages of cooling operation.

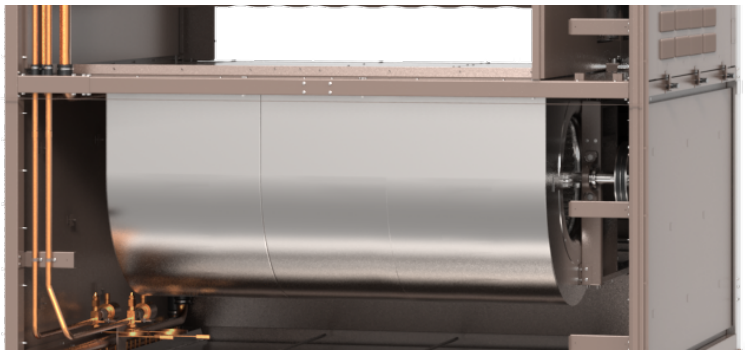
Variable frequency drive

Factory-installed variable frequency drives (VFD) provide higher efficiency through both IntelliSpeed and VAV operation. All factory-installed VFDs come with a 5-year manufacturer warranty and provide ease of commissioning with operation through the standard Smart Equipment™ control board and soft start capabilities for improved motor and belt life.

Indoor blower

The indoor blower is a single shaft, dual blower, forward curve centrifugal wheel design. All tonnages use a belt drive motor configuration with options for multiple levels of static resistance. The blower motor is mounted on a plate with vertical adjustment for simplified adjustments to belt tension and easier belt replacement.

Figure 3: Indoor blower



Evaporator coils

All units come with copper tube/aluminum fin evaporator coils.

Condenser coils

All units come with microChannel condenser coils.

Balanced staged heating

All gas heat units are of a tubular design with in-shot burners and induced draft. Standard controls provide two stages of capacity control with an additional option for modulating gas heat. Each section includes a durable heat exchanger with aluminized steel or optional stainless steel tubes, a redundant gas valve, spark ignition, power venting, an ignition module for 100% shut-off, and all of the safety controls required to meet the latest ANSI standards. You can route the gas supply piping into the heating compartment through a hole in the base pan of the unit or through a hole in the piping panel on the front of the unit.

All electric heat models (factory or field-installed) include a bank of nickel chromium elements mounted at the discharge of the supply air blower to provide a high velocity and uniform distribution of air across the heating elements. Each element bank is fully protected against excessive current and temperature by fuses and two thermal limit switches.

Advanced, versatile controls

Smart Equipment™ control boards have standardized a number of features previously available only as options or by using additional controls.

Figure 4: Smart Equipment™ control board

All units are factory commissioned, configured, and run tested.

You can configure the Smart Equipment™ control for use with a standard thermostat or zone sensor using the convenient screw terminals. You can also configure the control to communicate with multiple BAS communication protocols to integrate with building automation systems.

On-board USB port

The Smart Equipment™ control comes standard with an on-board USB port that accepts a common flash drive. You can use the port for features like data logging, listing current and previous system faults, and backing up or updating the software version. Self-test and start-up reports are also available through the USB port.

Built-in LCD

The Smart Equipment™ control board has an easy to read, built-in LCD and easy to use navigation joystick and buttons. Users can quickly navigate the menus to view unit status, options, current function, supply, return and outdoor temperatures, fault codes, and other information.

NOTICE

The Smart Equipment™ control board used in this product can effectively operate the cooling system down to 0°F when this product is applied in a comfort cooling application for people. An economizer is typically included in this type of application. When you apply this product for process cooling applications (such as computer rooms or switchgear), call the applications department for Ducted Systems at 1-877-874-SERV for guidance. Additional accessories may be needed for stable operation at temperatures below 30°F.

Reduced field-installed complexity

Each unit comes equipped with factory-installed supply air, return air, and outdoor air temperature sensors to provide key temperature readings and reduce field-installed complexity.

Standard factory warranty

All models include a 1 year limited warranty on the complete unit. Compressors and electric heater elements each have a 5 year warranty. Aluminized steel heat exchangers have a 10 year warranty and stainless steel heat exchangers have a 15 year warranty.

Replacement opportunity with footprint

All tonnages have a meticulously designed footprint providing the ability to directly replace, without the need for a transition curb, the existing 27.5 ton to 50 ton Trane Voyager footprint. When replacing the high gas heat model in 27.5 tons to 35 tons, a roof curb block-off kit may be required. This block-off kit is available directly from the Select unit manufacturer.

Dedicated duct configuration

All models are manufactured with a dedicated duct configuration for vertical or horizontal airflow operation, allowing for quick and easy installation without removing or relocating panels. The desired duct configuration must be selected when the model is ordered from the factory.

Utility connections

Gas and electrical utility entries are supplied in the unit underside as well as the side of the unit. You can make utility connections quickly and with a minimum amount of field labor.

Sloped drain pan

All units are provided with a removable single direction sloped condensate drain pan with 1 in. I.D. female connection. Drain pans are sloped in accordance with ASHRAE 62 and are available in galvanized or stainless steel configurations.

Color-coded and numbered wiring

Wiring is color-coded and numbered to match the provided unit wiring diagram to enable easy troubleshooting and field installation.

Convertible filter rack

Units are provided with the selected 2 in. or 4 in. filter. With a simple conversion in the field, units can accept either size filter in the standard filter rack.

Full perimeter base rails

The permanently attached base rails provide a solid foundation for the entire unit and protect the unit during shipment. The rails offer rigging holes so that you can use an overhead crane to place the units on a roof.

Operating conditions

The units are capable of starting and running at 125°F outdoor temperature, exceeding the maximum load criteria of AHRI Standard 340/360. The compressor, with standard controls, is capable of operation down to 45°F outdoor temperature in all installations and as low as 0°F outdoor temperature with cyclic cooling cycles in certain applications. The addition of a low ambient kit allows for cooling operation down to -20°F outdoor temperature. Gas heat is rated to operate in outdoor temperatures down to -40°F.

Safety monitoring

The control monitors the outdoor, supply, and return air temperatures and the high and low pressure switch status on the independent refrigerant circuits. On units with heating, the gas valve and high temperature limit switches are monitored on gas and electric heating units. The control also monitors the voltage supplied to the unit and protects the unit if low voltage occurs due to a brown out, or if other electrical issues occur.

Anti-short cycle protection

To aid compressor life, an anti-short cycle delay is incorporated into the standard control. Compressor reliability is further ensured by programmable minimum run times. For testing, you can temporarily override the anti-short cycle delay with the push of a button.

Fan delays

Fan on and fan off delays are fully programmable. Furthermore, the heating and cooling fan delay times are independent of one another. All units are programmed with default values based on their configuration of cooling and heating capacity.

Nuisance trip protection and three strikes

To prevent nuisance calls, the control board uses a "three times, you're out" philosophy. The high-pressure switch, low-pressure switch, antifreeze protection, or low voltage, detection must trip three times within 2 hours before the unit control board locks out the associated compressor. Similarly, the heating high limit switch must trip three times within one hour before the unit control board locks out heating operation. An alarm message appears on the LCD.

Low limit control

When there is a demand for cooling during cold outside conditions, the low limit control (LLC) prevents the supply air from dropping below a specified setpoint. This is a programmable setpoint.

Options and accessories

Non-electrical option or accessory	Factory option	Field-installed option
Roof curb, 14 in.		✓
Coil/hail guard	✓	✓
Hinged and toolless access panels	✓	
Double wall panels	✓	
Magna-Dry modulating hot gas reheat dehumidification	✓	
Aluminized steel gas heat exchanger	✓	
Stainless steel gas heat exchanger	✓	
Modulating gas heat	✓	
Flue exhaust extension		✓
Propane conversion		✓
High altitude kit for propane		✓
High altitude kit for natural gas		✓
Stainless steel drain pan	✓	
E-coat coil coating	✓	
Service valves	✓	
VFD grounding ring	✓	
MERV 8, 2 in. filter	✓	
MERV 13, 4 in. filter	✓	

Electrical option or accessory	Factory option	Field-installed option
Constant volume airflow	✓	
IntelliSpeed discrete fan control	✓	
Multi-zone variable air volume (VAV)	✓	
CRSZ control single zone VAV	✓	
Electric heat	✓	
Standard, medium, or high static indoor blower motor	✓	
Non-fused disconnect switch	✓	
Circuit breaker	✓	
Powered convenience outlet	✓	
Non-powered convenience outlet	✓	
65 kA high SCCR	✓	
Phase monitor	✓	

Fresh air option or accessory	Factory option	Field-installed option
Manual outside air damper	✓	
Low leak economizer	✓	
Single or dual enthalpy economizer control	✓	✓
Barometric relief damper	✓	
Constant volume power exhaust	✓	
Modulating power exhaust	✓	

Controls option or accessory	Factory option	Field-installed option
Air proving switch	✓	✓
Dirty filter switch	✓	✓
CO_2 sensor	✓	✓
Condensate overflow switch	✓	✓
Low ambient head pressure control	✓	✓
Supply and return air smoke detectors	✓	✓
Smart Equipment™ control communication card	✓	✓
MAP (Mobile Access Portal) Gateway for use with Smart Equipment™ control		✓
Verasys	✓	✓

Factory and field-installed options

Fraser-Johnston® Relia™ Select units have many factory options and field-installed accessories available for a wide range of application needs.

Constant volume airflow

Factory option

The standard airflow option on all Select models, this provides the most traditional on and off method of blower control where the supply fan airflow and the air volume through the building duct remain constant. The unit's refrigerant staging adjusts based on the load to maintain the zone temperature.

IntelliSpeed discrete fan control with VFD

Factory option

The IntelliSpeed blower control method uses a variable frequency drive (VFD) to control staged modulation of the supply fan airflow in what is called multispeed fan control or discrete fan control. The VFD runs the supply fan at predetermined speeds set at the factory based on the number of cooling stages engaged by the cooling demand. This feature allows for higher part load efficiency and meets all requirements of ASHRAE 90.1 2013/2016 and 2015 IECC.

Multi-zone variable air volume (VAV)

Factory option

Intended for job applications where multiple zones are serviced by a single rooftop with zone dampers in the ductwork to control airflow to each zone. Similar to the IntelliSpeed blower control method, the VAV blower control option uses a VFD to control modulation of the supply fan airflow. Unlike IntelliSpeed, VAV operation provides full modulation of the supply fan speed to provide both a constant supply air temperature and a constant duct static pressure. This modulation is controlled by the VFD based on readings from a pressure transducer mounted in the unit supply duct.

CRSZ control single zone VAV

Factory option

A proprietary control logic for single-zone VAV applications, the continuous reset single zone control (CRSZ control) option provides the industry's best temperature control of a single-zone VAV system. The CRSZ control airflow option uses compressor staging and fan speed, along with programmatic resetting of the supply air temperature setpoint, to deliver stable zone temperature and humidity control.

High static indoor blower motor

Factory option

For applications with high static restrictions, units are offered with optional indoor motors that provide higher static output to varying degrees based on the application requirements.

MagnaDry modulating hot gas reheat dehumidification

Factory option

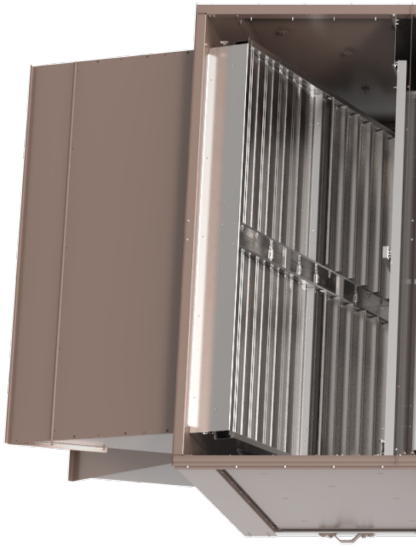
Units optioned with reheat coils provide superior dehumidification at a wide range of outdoor temperatures to provide maximum comfort without overcooling the space. Unlike traditional on and off reheat systems, this system modulates dehumidification to more accurately meet the humidity and temperature setpoints.

Low leak economizer with fresh air hood

Factory option

All units offer a variety of optional factory-installed economizers that are shipped, installed, and wired with low leak dampers. The dampers are designed to meet ASHRAE 90.1, AMCA 511 Class 1A damper, and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 CFM/sq ft. at 1 in. of static pressure. Each economizer goes through a rigorous 60,000 cycle test. You can select dry bulb, single enthalpy, or dual enthalpy economizer control as either a factory option or field-installed accessory. The economizer has spring return, fully modulating damper actuators and it is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input.

Figure 5: Economizer



Single or dual enthalpy control

Factory or field-installed option

Low leak economizers are available with standard dry bulb sensing. You can select the following configurations for true enthalpy control of the unit economizer.

- Single enthalpy control to monitor outdoor air humidity and temperature
- Dual enthalpy control to monitor outdoor air and return air humidity and temperature
- Single or dual enthalpy sensors are available factory installed or as field-installed accessories.

Manual outside air damper

Factory option

The manual outdoor air damper includes a slide-in assembly with a manually adjustable opening for fresh air entry. The factory installed damper has an opening range of 0% to 100%.

Barometric relief damper

Factory option

You can use this damper option to relieve internal building air pressure on units with an economizer or motorized damper without a power exhaust. This accessory includes a rain hood, a bird screen, and a fully assembled damper.

Constant volume power exhaust

Factory option

Units with an economizer are available with constant volume power exhaust. Whenever the outdoor air intake dampers are opened for free cooling, the exhaust fan is energized to prevent the conditioned space from being over-pressurized during economizer operation.

Modulating power exhaust

Factory option

For more precise control over a unit's exhaust performance, you can select a modulating power exhaust as a factory option. The modulating power exhaust monitors fluctuations to the static pressure in the duct and works in conjunction with the unit economizer to equalize pressure changes caused by bringing in fresh air.

Staged electric heat

Factory option

Electric heat is available as a factory option in various sizes and is available in all voltage options of the base units. All heaters are single point power.

Staged gas heat

Factory option in aluminized steel or stainless steel

Staged gas heating is available in two sizes, each with two stages of operation. The standard gas heat exchanger comes in aluminized steel for applications in non-corrosive environments with an optional stainless steel gas heat exchanger available for application in corrosive environments.

Modulating gas heat

Factory option

For improved temperature control and to provide more exact heating operation, select a modulating gas heat furnace. With the same maximum heating capacity as the high-heat staged gas heat and a 4.4 to 1 (27.5 and 30 ton models) or 5.7 to 1 (35, 40, and 50 ton models) turndown ratio, the modulating gas heat option provides the same full load heating capabilities as the staged heating option and can also adjust the input rate to reflect the heating call. All modulating gas heat furnaces are equipped with stainless steel heat exchangers.

Flue exhaust extension

Field-installed option

In locations with wind or weather conditions that may interfere with the proper exhausting of furnace combustion products, this accessory can prevent the flue exhaust from entering nearby fresh air intakes.

Propane conversion kit

Field-installed option

Use this kit to convert a gas-fired heater from natural gas to propane. It contains the main burner orifices and gas valve replacement springs.

Gas heat high altitude kit

Field-installed option

Use this kit to convert a gas heat unit to operate at high altitudes from 2,000 ft to 10,000 ft. Conversion kits are available for natural gas and propane.

Hinged and toolless access panels

Factory option

To reduce service time, hinged and toolless access panels provide quick and easy access to frequently inspected or service components and areas of the unit. Hinged panels provide access to the control box, filters, gas and electric heat controls, and indoor blower section.

Double wall cabinet

Factory option

Double wall sheet metal construction to provide smooth inner surfaces on all surfaces in the air stream for easy and effective cleaning to reduce risk of dirt and bacterial accumulation.

Coil guard and hail guard

Factory or field-installed option

A louvered panel design combination coil guard and hail guard protects the unit condenser coils and outdoor condenser area from a wide range of damage caused by events such as hail, tampering, and animal entry.

Figure 6: Coil guard

Stainless steel drain pan

Factory option

An optional rust-proof stainless steel drain pan is available to provide years of trouble-free operation in corrosive environments.

Circuit breaker

Factory option

A factory-installed circuit breaker provides both easy access to shut off power to the unit for safe servicing and also protects the unit from a short-circuit or overload condition.

Non-fused disconnect switch

Factory option

A factory-mounted service disconnect switch provides easy access to shut off power to the unit for safe servicing of the product.

Powered convenience outlet

Factory option

The powered convenience outlet option provides a 120 V single-phase GFCI outlet with a cover on the unit exterior. The outlet is powered by a stepdown transformer in the unit.

Non-powered convenience outlet

Factory option

The non-powered convenience outlet option provides a 120 V single-phase GFCI outlet with a cover on the exterior of the unit. The outlet requires the installer to provide the 120 V single-phase power source and wiring.

65 kA high SCCR

Factory option

The HIGH SCCR electrical option replaces all necessary electrical components and wiring with higher rated components and larger gauge wiring to increase the short-circuit current rating to 65 kA from the standard unit 5 kA rating. This provides additional protection to the unit in the event of a short-circuit condition.

Supply and return air smoke detectors

Factory or field-installed option

The smoke detectors stop operation of the unit and provide a fault message to the control board. Smoke detectors are available for supply and/or return air configurations.

⚠ WARNING

Factory-installed smoke detectors may be subjected to extreme temperatures during off times due to outside air infiltration. These smoke detectors have an operational limit of -4°F to 158°F. Smoke detectors installed in areas that could be outside this range must be relocated to prevent false alarms.

Phase monitor

Factory option

Monitors the electrical phase to the unit to prevent damage from out-of-phase conditions.

Air proving switch

Factory or field-installed option

To ensure proper indoor blower operation, you can use an optional air proving switch to monitor whether supply air airflow is present when a cooling or heating cycle initiates. If proper airflow is not detected at the beginning of a cycle or throughout operation, the call for heating or cooling is cancelled and a unit alarm registered.

Dirty filter switch

Factory or field-installed option

This option includes a differential pressure switch that energizes the fault light on the unit thermostat, indicating that there is an abnormally high pressure drop across the filters.

CO_2 sensor

Factory or field-installed option

The provided CO_2 sensor detects CO_2 levels and automatically overrides the economizer when levels rise above the preset limits.

Condensate overflow switch

Factory or field-installed option

Mounted to the unit drain pan, the condensate overflow switch is a float switch that monitors the level of water in the drain pan to shut down unit operation and prevent drain pan overflow within the unit.

Low ambient head pressure control

Factory or field-installed option

An integrated low-ambient control allows units to operate in the cooling mode down to 0°F outdoor ambient without additional components or intervention. The option includes a divider panel for the condenser section to isolate airflow through the condenser coils. Optionally, you can program the control board to lock out the compressors when the outdoor air temperature is low or when free cooling is available.

E-coat evaporator and condenser

Factory option

The evaporator and/or condenser coils are coated with an epoxy polymer coating to protect against corrosion.

Filters

Factory option

2-in. pleated MERV 8 or 4-in. pleated MERV 13 are available to meet LEED requirements. A 2-in. throwaway is shipped as standard.

Burglar bars

Field-installed option

Mount in the supply and return openings to prevent entry into the duct work.

Service valves

Factory option

Additional service valves with optimized location for easier service access.

Smart Equipment™ control with communication

Factory or field-installed option

The communication option for the Smart Equipment™ control is a factory installed add-on card to expand the capabilities with a gateway to BACnet MS/TP (programmable to Modbus or N2 protocols).

Mobile Access Portal gateway for use with Smart Equipment™ control

Field-installed option

You can use the Mobile Access Portal (MAP) gateway to provide a wireless connection to any Smart Equipment™ enabled product or system. The MAP gateway generates a Wi-Fi signal for connection with any electronic device with Wi-Fi capabilities and a web browser. Used in conjunction with the Smart Equipment™ communication card and daisy chained network wiring, a single MAP gateway

can provide single point access to an entire network of rooftop units through the unit control board, a Smart Equipment™ enabled zone sensor, or Smart Equipment™ enabled thermostat.

Verasys

Factory or field-installed option

Verasys provides a simple user experience with configurable self-recognizing controllers without the need for any additional tools. Verasys creates enhanced integration of HVACR equipment, zoning, and controls. Contractors are able to offer a complete bundled solution of equipment and controls to serve the light commercial market.

Physical data

Vertical airflow unit physical data

Table 2: UV28 to UV30 vertical airflow unit physical data

Component	Models					
	UV28			UV30		
Nominal tonnage	27.5			30		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross capacity @ ARI A point (Btu)	320,163	318,311		344,378	339,064	
ARI net capacity (Btu)	308,000	306,000		336,000	330,000	
EER	10.8[1] / 10.5[2]	10.8[1] / 10.5[2]		10.9[1] / 10.8[2]	10.9[1]/ 10.8[2]	
IEER CV	12.5[1] / 11.8[2]	n/a		13.3[1] / 13.0[2]	n/a	
IEER with Intellispeed	14.4[1] / 13.8[2]	15.2[1]/14.8[2]		14.4[1] / 14.0[2]	14.6[1]/14.3[2]	
IEER with VAV	n/a	15.2[1] / 14.6[2]		n/a	15.1[1]/ 14.6[2]	
CFM	10517	10590		9362	9683	
System power (KW)	25.2	24.6		28.4	27.4	
Refrigerant type	R-410A	R-410A		R-410A	R-410A	
Refrigerant charge (lb-oz)						
System 1	14-12	14-04		14-12	14-12	
System 2	13-08	13-14		14-00	13-15	
ARI heating performance						
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	140	320	400	140
2nd stage heat input (K Btu)	400	620	620	400	620	620
1st stage heat output (K Btu)	259	324	113	259	324	113
2nd stage heat output (K Btu)	324	502	502	324	502	502
Steady state efficiency (%)	81	81	81	81	81	81
No. of burners	9	9/5	9/5	9	9/5	9/5
No. of stages / Turn down	2/1.25	2/1.55	2/4.42	2/1.25	2/1.55	2/4.42
Temperature rise range (°F)	25-35	35-60	35-60	20-35	35-55	35-55
Gas limit setting (°F) (top/bottom)	150	150/150	210/210	150	150/170	210/210
Gas piping connection (in.)	3/4	1-1/4	1-1/14	3/4	1-1/4	1-1/14
Dimensions (in.)						
Length	180					
Width	90					
Height	70					
Operating weight (lb)	4078			4105		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	3		2	3	
Unit capacity steps (%)	50 / 100	24 / 51 / 76 /100		50 / 100	24 / 52 / 76 /100	
Condenser coil data						
Face area (Sq. Ft.)	51.2			61.6		
Type	MCHX			MCHX		
Thickness (mm)	20			20		
FPI	23			23		
Circuitry type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq. ft.)	34.4			34.4		
Rows	3			3		
Fins per inch	15			15		
Tube diameter	3/8			3/8		
Circuitry type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	4			4		
Fan diameter (in.)	30			30		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	4			4		

Table 2: UV28 to UV30 vertical airflow unit physical data

Component	Models					
	UV28			UV30		
Nominal tonnage	**27.5**			**30**		
Motor HP each	1			1		
RPM	1140			1140		
Nominal total CFM	28530			29800		
Belt drive evap fan data						
Quantity	2			2		
Fan size (in.)	18x18			18x18		
Type	Centrifugal			Centrifugal		
Static range	Std	Med	High	Std	Med	High
Motor sheave	1VP65	2VP60	2VP60	1VP60	1VP68	2VP60
Blower sheave	1B5V124	2B5V94	2B5V86	1B5V124	1B5V110	2B5V90
Belt	BX82	BX75	5VX780	5VX830	5VX830	BX76
Motor HP each	7.5	10.0	15.0	7.5	10.0	15.0
Motor RPM	1800	1800	1800	1800	1800	1800
Frame size	213T	215T	254T	213T	215T	254T
Filters						
Quantity - size	9 - (20 x 20 x 2)[3, 4]			9 - (20 x 20 x 2)[3, 4]		
	9 - (20 x 20 x 4)[5]			9 - (20 x 20 x 4)[5]		
	3 - (20 x 25 x 2)[3, 4]			3 - (20 x 25 x 2)[3, 4]		
	3 - (20 x 25 x 4)[5]			3 - (20 x 25 x 4)[5]		
ID Blower power (kW)	2937[1] / 3565[2]		2905[1] / 3608[2]	2199[1] / 2455[2]		2393[1] / 2656[2]

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Table 3: UV35 to UV40 vertical airflow unit physical data

Component	Models					
	UV35			UV40		
Nominal tonnage	35			40		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross capacity @ ARI A point (Btu)	400,295	400,592		436,406	435,211	
ARI net capacity (Btu)	388,000	388,000		414,000	414,000	
EER	10.7[1] / 10.5[2]	10.8[1]/ 10.5[2]		11.1[1] / 10.8[2]	11.1[1] / 10.8[2]	
IEER CV	13.0[1] / 12.5[2]	n/a		12.0[1] / 11.4[2]	n/a	
IEER with Intellispeed	15.1[1] / 14.6[2]	15.5[1]/15.2[2]		14.9[1] / 14.6[2]	16.2[1]/16.0[2]	
IEER with VAV	n/a	15.4[1] / 15.0[2]		n/a	15.4[1] / 15.2[2]	
CFM	10679	10517		15348		15093
System power (KW)	32.4	31.9		31.40		30.8
Refrigerant type	R-410A	R-410A		R-410A		R-410A
Refrigerant charge (lb-oz)						
System 1	19-02	19-02		26-08		26-00
System 2	17-13	17-08		25-00	24-08	
ARI heating performance						
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	140	320	400	140
2nd stage heat input (K Btu)	400	800	800	400	800	800
1st stage heat output (K Btu)	259	324	113	259	324	113
2nd stage heat output (K Btu)	324	648	648	324	648	648
Steady state efficiency (%)	81	81	81	81	81	81
No. of burners	9	9/9	9/9	9	9/9	9/9
No. of stages/turn down	2/1.25	2/2	2/5.71	2/1.25	2/2	2/5.71
Temperature rise range (°F)	20-30	35-60	35-60	15-25	35-50	35-50
Gas limit setting (°F) (top/bottom)	140	140/160	170/210	170	140/140	170/170
Gas piping connection (in.)	3/4	1-1/4	1-1/14	3/4	1-1/4	1-1/14
Dimensions (in.)						
Length	180			232		
Width	90			90		
Height	70			77		
Operating weight (lb)	4191			5742		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	3		2	3	
Unit capacity steps (%)	50 / 100	25 / 50/ 75 / 100		50 / 100	25 / 50/ 75 / 100	
Condenser coil data						
Face area (sq. ft)	61.6			112.4		
Type	MCHX			MCHX		
Thickness (mm)	20			20		
FPI	23			23		
Circuitry type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq. ft)	34.4			38.9		
Rows	4			4		
Fins per inch	15			15		
Tube diameter	3/8			3/8		
Circuitry type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	4			4		
Fan diameter (in.)	30			30		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	4			4		
Motor HP each	1			1		
RPM	1140			1140		
Nominal total CFM	29800			34109		
Belt drive evap fan data						
Quantity	2			2		

Table 3: UV35 to UV40 vertical airflow unit physical data

Component	Models					
	UV35			UV40		
Nominal tonnage	**35**			**40**		
Fan size (in.)	18x18			20x18		
Type	Centrifugal			Centrifugal		
Static range	Std	Med	High	Std	Med	High
Motor sheave	1VP65	2VP60	2VP60	1VP60	1VP75	2VP60
Blower sheave	1B5V124	2B5V94	2B5V86	1B5V124	1B5V136	2B5V94
Belt	BX82	BX75	5VX780	5VX830	5VX880	5VX780
Motor HP each	7.5	10.0	15.0	10.0	15.0	20.0
Motor RPM	1800	1800	1800	1800	1800	1800
Frame size	213T	215T	254T	215T	254T	256T
Filters						
Quantity - size	9 - (20 x 20 x 2)[3, 4]			4 - (20 x 20 x 2)[3, 4]		
	9 - (20 x 20 x 4)[5]			4 - (20 x 20 x 4)[5]		
	3 - (20 x 25 x 2)[3, 4]			8 - (20 x 25 x 2)[3, 4]		
	3 - (20 x 25 x 4)[5]			8 - (20 x 25 x 4)[5]		
ID Blower power (kW)	3089[1] / 3603[2]		3046[1] / 3690[2]		5778[1] / 6566[2]	5470[1] / 6217[2]

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Table 4: UV50 vertical airflow unit physical data

Component	Models		
	UV50		
Nominal tonnage	50		
ARI cooling performance	2 Stage	4 Stage	
Gross capacity @ ARI A point (Btu)	567,149	563,983	
ARI net capacity (Btu)	540,000	538,000	
EER	10.6[1] / 10.4[2]	10.8[1] / 10.4[2]	
IEER CV	12.2[1] / 11.4[2]	n/a	
IEER with Intellispeed	15.1[1] / 14.9[2]	16.2[1]/16.0[2]	
IEER with VAV	n/a	16.0[1] / 15.8[2]	
CFM	16144	15918	
System power (KW)	44.4	43.30	
Refrigerant type	R-410A	R-410A	
Refrigerant charge (lb-oz)			
System 1	35-08	35-08	
System 2	32-14	32-08	
ARI heating performance			
Heating model	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	140
2nd stage heat input (K Btu)	400	800	800
1st stage heat output (K Btu)	259	324	113
2nd stage heat output (K Btu)	324	648	648
Steady state efficiency (%)	81	81	81
No. of burners	9	9/9	9/9
No. of stages / turn down	2/1.25	2/2	2/5.71
Temperature rise range (°F)	15-20	30-40	30-40
Gas limit setting (°F) (top/bottom)	150	150/150	170/170
Gas piping connection (in.)	3/4	1-1/4	1-1/14
Dimensions (in.)			
Length	232		
Width	90		
Height	77		
Operating weight (lb)	5984		
Compressors	2 Stage	4 Stage	
Type	Scroll	Scroll	
Quantity	2	3	
Unit capacity steps (%)	50 / 100	25 / 50/ 75 / 100	
Condenser coil data			
Face area (sq. ft)	112.4		
Type	MCHX		
Thickness (mm)	25		
FPI	23		
Circuitry type	2-Pass		
Evaporator coil data			
Face area (sq. ft)	38.9		
Rows	5		
Fins per inch	15		
Tube diameter	3/8		
Circuitry type	Intertwined		
Refrigerant control	TXV		
Condenser fan data			
Quantity	4		
Fan diameter (in,)	30		
Type	Prop		
Drive type	Direct		
Number of motors	4		
Motor HP each	2		
RPM	1200		
Nominal total CFM	41676		
Belt drive evap fan data			
Quantity	2		
Fan size (in.)	20x18		

Table 4: UV50 vertical airflow unit physical data

Component	Models		
	UV50		
Nominal tonnage	**50**		
Type	Centrifugal		
Static range	Std	Med	High
Motor sheave	1VP60	1VP75	2VP60
Blower sheave	1B5V124	1B5V136	2B5V94
Belt	5VX830	5VX880	5VX780
Motor HP each	10.0	15.0	20.0
Motor RPM	1800	1800	1800
Frame size	215T	254T	256T
Filters			
Quantity - size	4 - (20 x 20 x 2)[3, 4]		
	4 - (20 x 20 x 4)[5]		
	8 - (20 x 25 x 2)[3, 4]		
	8 - (20 x 25 x 4)[5]		
ID Blower power (kW)	6361[1] / 7957[2]		6734[1] / 7615[2]

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Horizontal airflow unit physical data

Table 5: UH28 to UH30 horizontal airflow unit physical data

Component	Models					
	UH28			UH30		
Nominal tonnage	**27.5**			**30**		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross Capacity @ ARI A point (Btu)	321,327	319,389		344,864	341,444	
ARI net capacity (Btu)	308,000	306,000		334,000	330,000	
EER	10.8[1] / 10.5[2]	10.8 [1]/ 10.5[2]		10.9[1] / 10.5[2]	10.9[1]/ 10.7[2]	
IEER CV	12.5[1] / 11.7[2]	n/a		13.1[1] / 12.2[2]	n/a	
IEER with Intellispeed	14.1[1] / 13.8[2]	14.7[1] / 14.5[2]		13.6 [1]/ 13.4[2]	14.3[1]/ 14.1[2]	
IEER with VAV	n/a	14.5[1] / 14.3[2]		n/a	14.1[1]/ 13.9[2]	
CFM	10517	10590		9362	9683	
System power (KW)	25.2	24.6		28.4	27.4	
Refrigerant type	R-410a	R-410a		R-410a	R-410a	
Refrigerant charge (lb-oz)						
System 1	14-12	14-04		14-12	14-12	
System 2	13-08	13-14		14-00	13-15	
ARI heating performance						
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	-	320	400	-
2nd stage heat input (K Btu)	400	620	-	400	620	-
1st stage heat output (K Btu)	259	324	-	259	324	-
2nd stage heat output (K Btu)	324	502	-	324	502	-
AFUE %	-	-	-	-	-	-
Steady state efficiency (%)	81	81	-	81	81	-
No. of burners	9	9/5	-	9	9/5	-
No. of stages / Turn down	2/1.25	2/1.55	-	2/1.25	2/1.55	-
Temperature rise range (°F)	25-35	35-60	-	20-35	35-55	-
Gas limit setting (°F) (top/bottom)	120	160/230	-	120	150/210	-
Gas piping connection (in.)	3/4	1-1/4	-	3/4	1-1/4	-
Dimensions (in.)						
Length	180					
Width	90					
Height	70					
Operating weight (lb)	4078			4105		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	3		2	3	
Unit capacity steps (%)	align="center"50 / 100	24 / 51 / 76 /100		50 / 100	24 / 52 / 76 /100	
Condenser coil data						
Face area (sq. ft)	51.2			61.6		
Type	MCHX			MCHX		
Thickness	20mm			20mm		
FPI	23			23		
Circuitry type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq. ft)	34.4			34.4		
Rows	3			3		
Fins per inch	15			15		
Tube diameter	3/8			3/8		
Circuitry type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	4			4		
Fan diameter (in.)	30			30		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	4			4		

Table 5: UH28 to UH30 horizontal airflow unit physical data

Component	Models					
	UH28			UH30		
Nominal tonnage	**27.5**			**30**		
Motor HP each	1			1		
RPM	1140			1140		
Nominal total CFM	28530			29800		
Belt drive evap fan data						
Quantity	2			2		
Fan size (in.)	18x18			18x18		
Type	Centrifugal			Centrifugal		
Static range	Std	Med	High	Std	Med	High
Motor sheave	1VP65	2VP60	2VP60	1VP65	2VP60	2VP60
Blower sheave	1B5V124	2B5V94	2B5V86	1B5V124	2B5V94	2B5V86
Belt	BX82	BX75	5VX780	BX82	BX75	5VX780
Motor HP each	7.5	10.0	15.0	7.5	10.0	15.0
Motor RPM	1800	1800	1800	1800	1800	1800
Frame size	213T	215T	254T	213T	215T	254T
Filters						
Quantity - size	9 - (20 x 20 x 2)[3, 4]			9 - (20 x 20 x 2)[3, 4]		
	9 - (20 x 20 x 4)[5]			9 - (20 x 20 x 4)[5]		
	3 - (20 x 25 x 2)[3, 4]			3 - (20 x 25 x 2)[3, 4]		
	3 - (20 x 25 x 4)[5]			3 - (20 x 25 x 4)[5]		
ID Blower power (kW)	3094[1] / 3906[2]		3104[1] / 3924[2]		2396[1] / 3184[2]	2695[1] / 3354[2]

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Table 6: UH35 to UH40 horizontal airflow unit physical data

Component	Models					
	UH35			UH40		
Nominal tonnage	**35**			**40**		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross Capacity @ ARI A point (Btu)	400,716	402,361		436,761	435,925	
ARI net capacity (Btu)	386,000	388,000		414,000	414,000	
EER	10.7 [1] / 10.5[2]	10.8[1]/ 10.5[2]		11.1[1] / 10.8[2]	11.1[1] / 10.8[2]	
IEER CV	13[1] / 12.1[2]	n/a		12[1] / 11.4[2]	n/a	
IEER with Intellispeed	14.7[1] / 14.4[2]	15.4[1] / 15.1[2]		14.9 [1]/ 14.6[2]	16.0[1] / 15.8[2]	
IEER with VAV	n/a	15.2[1] / 15.0[2]		n/a	15.4[1]/ 15.2[2]	
CFM	10679	10517		15348	15093	
System power (KW)	32.4	31.9		31.4	30.8	
Refrigerant type	R-410a	R-410a		R-410a	R-410a	
Refrigerant charge (lb-oz)						
System 1	19-02	19-02		26-08	26-00	
System 2	17-13	17-08		25-00	24-08	
ARI heating performance						
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	-	320	400	-
2nd stage heat input (K Btu)	400	800	-	400	800	-
1st stage heat output (K Btu)	259	324	-	259	324	-
2nd stage heat output (K Btu)	324	648	-	324	648	-
AFUE %	-	-	-	-	-	-
Steady state efficiency (%)	81	81	-	81	81	-
No. of burners	9	9/9	-	9	9/9	-
No. of stages / Turn down	2/1.25	2/2	-	2/1.25	2/2	-
Temperature rise range (°F)	20-30	35-60	-	15-25	35-50	-
Gas limit setting (°F) (top/bottom)	170	240/190	-	130	260/230	-
Gas piping connection (in.)	3/4	1-1/4	-	3/4	1-1/4	-
Dimensions (in.)						
Length	232					
Width	90					
Height	77					
Operating weight (lb)	4191			5742		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	3		2	3	
Unit capacity steps (%)	50 / 100	25 / 50/ 75 / 100		50 / 100	25 / 50/ 75 / 100	
Condenser coil data						
Face area (sq. ft)	61.6			112.4		
Type	MCHX			MCHX		
Thickness	20mm			20mm		
FPI	23			23		
Circuitry type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq. ft)	34.4			38.9		
Rows	4			4		
Fins per inch	15			15		
Tube diameter	3/8			3/8		
Circuitry type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	4			4		
Fan diameter (in.)	30			30		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	4			4		
Motor HP each	1			1		
RPM	1140			1140		

Table 6: UH35 to UH40 horizontal airflow unit physical data

Component	Models					
	UH35			UH40		
Nominal tonnage	**35**			**40**		
Nominal total CFM	29800			34109		
Belt drive evap fan data						
Quantity	2			2		
Fan size (in.)	18x18			20x18		
Type	Centrifugal			Centrifugal		
Static range	Std	Med	High	Std	Med	High
Motor sheave	1VP65	2VP60	2VP60	1VP60	1VP75	2VP60
Blower sheave	1B5V124	2B5V94	2B5V86	1B5V124	1B5V136	2B5V94
Belt	BX82	BX75	5VX780	5VX830	5VX880	5VX780
Motor HP each	7.5	10.0	15.0	10.0	15.0	20.0
Motor RPM	1800	1800	1800	1800	1800	1800
Frame size	213T	215T	254T	215T	254T	256T
Filters						
Quantity - size	9 - (20 x 20 x 2)[3, 4]			4 - (20 x 20 x 2)[3, 4]		
ID Blower power (kW)	9 - (20 x 20 x 4)[5]			4 - (20 x 20 x 4)[5]		
	3 - (20 x 25 x 2)[3, 4]			8 - (20 x 25 x 2)[3, 4]		
	3 - (20 x 25 x 4)[5]			8 - (20 x 25 x 4)[5]		
	3372 [1] / 4313[2]	3302[1] / 4209[2]		5511[1] / 6671[2]	5318[1] / 6426[2]	

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Table 7: UH50 horizontal airflow unit physical data

Component	Models		
	UH50		
Nominal tonnage	**50**		
ARI cooling performance	2 Stage	4 Stage	
Gross Capacity @ ARI A point (Btu)	560,268	563,384	
ARI net capacity (Btu)	532,000	536,000	
EER	10.5[1] / 10.3[2]	10.8[1] / 10.4[2]	
IEER CV	12.2[1] / 11.4[2]	n/a	
IEER with Intellispeed	14.6[1] / 14.4[2]	16.0[1] / 15.8[2]	
IEER with VAV	n/a	15.8[1] / 15.6[2]	
CFM	16144	15918	
System power (KW)	44.4	43.3	
Refrigerant type	R-410a	R-410a	
Refrigerant charge (lb-oz)			
System 1	35-08	35-08	
System 2	32-14	32-08	
ARI heating performance			
Heating model	N(S)1	N(S)3	T3
Heating type	Stg. Low	Stg. High	Mod. High
1st stage heat input (K Btu)	320	400	-
2nd stage heat input (K Btu)	400	800	-
1st stage heat output (K Btu)	259	324	-
2nd stage heat output (K Btu)	324	648	-
AFUE %	-	-	-
Steady state efficiency (%)	81	81	-
No. of burners	9	9/9	-
No. of stages / Turn down	2/1.25	2/2	-
Temperature rise range (°F)	15-20	30-40	-
Gas limit setting (°F) (top/bottom)	130	170/180	-
Gas piping connection (in.)	3/4	1-1/4	-
Dimensions (in.)			
Length	232		
Width	90		
Height	77		
Operating weight (lb)	5984		
Compressors	2 Stage	4 Stage	
Type	Scroll	Scroll	
Quantity	2	3	
Unit capacity steps (%)	50 / 100	25 / 50/ 75 / 100	
Condenser coil data			
Face area (sq. ft)	112.4		
Type	MCHX		
Thickness	25mm		
FPI	23		
Circuitry type	2-Pass		
Evaporator coil data			
Face area (sq. ft)	38.9		
Rows	5		
Fins per inch	15		
Tube diameter	3/8		
Circuitry type	Intertwined		
Refrigerant control	TXV		
Condenser fan data			
Quantity	4		
Fan diameter (in.)	30		
Type	Prop		
Drive type	Direct		
Number of motors	4		
Motor HP each	2		
RPM	1200		

Table 7: UH50 horizontal airflow unit physical data

Component	Models		
	UH50		
Nominal tonnage	**50**		
Nominal total CFM	41676		
Belt drive evap fan data			
Quantity	2		
Fan size (in.)	20x18		
Type	Centrifugal		
Static range	Std	Med	High
Motor sheave	1VP60	1VP75	2VP60
Blower sheave	1B5V124	1B5V136	2B5V94
Belt	5VX830	5VX880	5VX780
Motor HP each	10.0	15.0	20.0
Motor RPM	1800	1800	1800
Frame size	215T	254T	256T
Filters			
Quantity - size	4 - (20 x 20 x 2)[3, 4]		
ID Blower power (kW)	4 - (20 x 20 x 4)[5]		
	8 - (20 x 25 x 2)[3, 4]		
	8 - (20 x 25 x 4)[5]		
	6787[1] / 8285[2]	6518[1]/ 8026[2]	

1 Cooling only unit or cooling unit with electric heat
2 Cooling unit with gas heat
3 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value) 3
4 Optional 2 in. pleated, MERV 8
5 Optional 4 in. pleated, MERV 13

Unit limitations

Table 8: Unit limitations

Unit voltage	Applied voltage		Outdoor DB temperature
	Minimum	Maximum	Maximum (°F)
208/230-3-60	187	252	125
460-3-60	432	504	125
575-3-60	540	630	125

Capacity performance

The following tables show the capacity performance for the units. The total capacities (TC) and sensible capacities (SC) are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. See the appropriate blower performance table for the kW of the supply air blower motor.

Note:

- TC = Total capacity
- SC = Sensible capacity

27.5 ton cooling capacity performance

Table 9: UH28 and UV28 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		75 (°F)												85 (°F)											
6875	77	367.2	179.4	365.6	152.5	365.4	125.4	-	-	-	-	-	-	353.1	174.6	353.2	148.2	353.1	121.2	-	-	-	-	-	-
	72	338.0	209.1	338.0	182.9	337.7	156.1	337.3	128.7	-	-	-	-	326.4	204.6	326.4	178.4	326.1	151.6	325.5	124.1	-	-	-	-
	67	311.7	239.2	311.4	212.8	310.9	186.1	310.3	158.9	309.5	131.1	-	-	300.6	234.3	300.1	208.0	299.6	181.2	298.9	154.0	298.0	126.1	-	-
	62	287.2	262.4	285.3	241.9	285.3	215.6	284.6	188.4	283.9	161.0	283.0	132.8	278.6	254.6	274.6	236.4	274.3	210.1	273.6	183.0	272.9	155.6	271.8	127.5
	57	287.0	263.4	273.1	252.6	259.3	242.2	260.0	216.9	259.1	189.4	258.2	161.6	278.4	255.5	264.6	244.6	250.7	233.5	249.4	211.0	248.5	183.7	247.4	155.8
8250	77	382.1	194.0	381.4	162.9	380.2	130.6	-	-	-	-	-	-	367.0	189.5	367.5	158.4	367.7	126.5	-	-	-	-	-	-
	72	352.2	229.3	352.4	198.3	352.6	166.8	352.4	134.4	-	-	-	-	339.9	224.7	340.0	193.6	340.1	162.1	339.9	129.7	-	-	-	-
	67	325.3	264.4	325.5	233.7	325.3	202.1	325.1	170.2	324.4	137.3	-	-	313.0	259.2	313.5	228.7	313.3	197.1	312.9	165.1	312.3	132.3	-	-
	62	308.8	282.1	298.5	267.7	299.2	237.1	298.5	205.0	297.8	172.4	296.9	139.2	299.6	273.6	286.8	261.2	287.5	231.5	286.8	199.5	285.9	166.9	285.1	133.7
	57	308.6	283.1	293.8	271.5	278.8	259.7	273.1	238.9	272.7	206.7	271.9	173.8	299.4	274.7	284.6	263.0	269.5	250.9	262.0	232.7	261.3	200.6	260.5	167.8
9625	77	384.3	194.9	396.0	173.3	398.9	137.6	-	-	-	-	-	-	377.5	203.5	377.5	167.5	378.2	130.9	-	-	-	-	-	-
	72	363.4	248.4	363.7	212.7	363.9	176.5	363.8	139.3	-	-	-	-	350.5	243.9	350.8	208.1	350.9	171.9	350.6	134.6	-	-	-	-
	67	335.9	288.2	336.2	253.1	336.2	217.0	336.2	180.3	335.8	142.6	-	-	322.6	283.1	323.6	248.0	323.4	211.8	323.3	175.0	322.9	137.4	-	-
	62	326.5	298.1	310.9	286.0	309.1	256.7	309.2	220.3	308.8	183.0	308.0	144.8	316.8	289.2	301.1	277.0	296.5	251.0	296.7	214.5	296.2	177.2	295.4	139.1
	57	326.4	299.3	310.8	287.1	294.9	274.5	282.7	259.1	283.0	222.5	282.0	184.5	316.6	290.3	300.9	278.0	285.1	265.2	270.5	251.8	271.0	216.2	270.0	178.4
11000	77	386.5	195.9	416.2	184.8	405.2	140.8	-	-	-	-	-	-	385.6	216.7	386.0	176.3	386.2	134.9	-	-	-	-	-	-
	72	371.5	266.3	371.9	226.2	372.4	185.4	372.5	143.5	-	-	-	-	358.0	261.6	358.4	221.5	358.8	180.5	359.0	138.8	-	-	-	-
	67	343.1	309.3	345.1	271.7	345.1	231.0	344.9	189.5	344.5	147.1	-	-	331.2	300.8	331.6	266.5	331.9	225.7	331.7	184.3	331.5	142.0	-	-
	62	341.3	311.3	325.1	298.9	317.7	275.6	317.5	234.5	317.3	192.6	316.7	149.8	331.1	302.0	314.8	289.4	304.4	269.7	304.5	228.6	304.2	186.7	303.5	144.0
	57	341.1	312.6	325.0	300.0	308.4	287.0	291.7	273.4	290.9	236.9	290.2	194.4	330.9	303.2	315.0	290.7	298.1	277.3	281.4	263.8	278.3	230.6	277.7	188.2
12375	77	405.8	233.3	418.6	191.6	410.6	144.0	-	-	-	-	-	-	395.6	230.3	392.6	184.3	393.0	138.6	-	-	-	-	-	-
	72	378.8	283.7	378.7	239.0	379.3	193.8	379.5	147.5	-	-	-	-	364.5	278.8	365.0	234.3	365.5	189.0	365.6	142.7	-	-	-	-
	67	353.9	321.3	351.6	289.4	351.9	244.3	352.0	198.3	351.7	151.3	-	-	343.3	311.6	338.6	284.2	338.5	239.1	338.3	192.8	338.0	146.0	-	-
	62	353.8	322.7	337.2	309.8	323.8	293.2	324.5	248.1	324.0	201.4	323.4	154.0	343.1	312.9	326.4	299.8	310.1	286.3	311.3	242.1	310.6	195.5	309.9	148.1
	57	353.6	324.1	337.0	311.0	319.9	297.6	302.6	283.5	296.8	250.5	296.8	203.5	343.0	314.1	326.3	301.1	309.2	287.5	291.8	273.3	283.8	244.3	283.8	197.2
		95 (°F)												105 (°F)											
6875	77	339.1	169.8	339.3	143.4	339.1	116.3	-	-	-	-	-	-	323.2	164.4	323.3	138.0	323.2	111.0	-	-	-	-	-	-
	72	313.2	199.5	313.0	173.3	312.8	146.5	312.2	119.0	-	-	-	-	298.2	193.8	298.0	167.5	297.7	140.7	297.0	113.3	-	-	-	-
	67	287.9	228.8	287.5	202.5	286.9	175.7	286.2	148.5	285.2	120.6	-	-	273.4	222.3	273.3	196.4	272.7	169.6	272.0	142.5	270.9	114.7	-	-
	62	269.0	245.8	262.6	230.2	262.1	204.2	261.4	177.1	260.6	149.8	259.6	121.6	258.4	236.1	248.4	223.5	248.7	197.6	248.0	170.6	247.2	143.3	246.1	115.4
	57	268.8	246.7	255.1	235.7	241.3	224.7	237.5	204.5	236.9	177.4	235.8	149.7	258.3	236.9	244.6	226.1	230.9	215.0	224.9	197.5	224.3	170.6	223.2	143.0
8250	77	352.3	184.7	352.6	153.5	352.3	121.4	-	-	-	-	-	-	335.6	179.3	335.7	148.1	335.7	116.0	-	-	-	-	-	-
	72	325.7	219.5	325.7	188.3	325.7	156.8	325.5	124.4	-	-	-	-	309.8	213.6	309.6	182.4	309.4	150.8	308.9	118.5	-	-	-	-
	67	299.6	253.6	299.8	223.0	299.5	191.3	299.1	159.3	298.4	126.6	-	-	284.2	246.9	284.5	216.6	284.3	185.1	283.8	153.0	282.7	120.2	-	-
	62	289.2	264.1	274.4	252.5	274.4	225.3	273.7	193.4	272.8	160.8	271.8	127.7	277.6	253.4	263.0	241.9	259.6	218.4	259.4	186.6	258.4	154.2	257.2	121.1
	57	289.1	265.1	274.2	253.4	259.3	241.3	248.9	226.1	248.8	194.1	247.9	161.4	277.4	254.4	262.8	242.8	248.0	230.8	235.1	218.2	235.2	187.0	234.3	154.4
9625	77	361.4	198.4	362.1	162.6	362.3	125.8	-	-	-	-	-	-	343.6	192.7	344.3	157.0	344.7	120.3	-	-	-	-	-	-
	72	335.7	238.6	335.9	202.8	335.9	166.4	336.6	129.5	-	-	-	-	319.0	232.5	319.0	196.8	319.1	160.4	318.6	123.2	-	-	-	-
	67	308.4	276.2	309.3	242.1	308.9	205.9	308.7	169.1	308.0	131.5	-	-	293.3	266.4	292.8	235.4	292.9	199.4	292.4	162.6	291.9	125.1	-	-
	62	305.6	279.0	290.1	266.6	283.0	244.5	282.9	208.2	282.2	170.9	281.3	132.9	293.1	267.6	277.8	255.3	267.4	237.7	267.6	201.3	266.9	164.0	266.0	126.2
	57	305.5	280.0	289.9	267.7	274.1	255.0	258.3	242.1	257.8	209.5	256.8	171.7	293.0	268.5	277.6	256.2	262.0	243.7	246.4	230.9	243.4	202.1	242.4	164.5

Table 10: UH28 and UV28 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		95 (°F)												105 (°F)											
11000	77	369.0	211.6	370.0	171.3	370.2	129.9	-	-	-	-	-	-	350.7	205.8	356.3	166.8	352.0	124.3	-	-	-	-	-	-
	72	342.7	256.2	342.9	216.0	343.3	175.2	343.3	133.4	-	-	-	-	325.1	250.1	325.4	209.9	325.6	168.9	325.7	127.3	-	-	-	-
	67	319.4	290.0	316.7	260.5	316.9	219.8	316.6	178.3	316.2	136.0	-	-	306.2	277.9	300.1	253.6	300.2	213.1	299.9	171.8	299.3	129.6	-	-
	62	319.3	291.3	303.1	278.6	289.9	262.9	290.1	222.2	289.6	180.2	289.0	137.7	306.0	279.1	290.1	266.6	273.9	253.5	274.3	215.0	273.6	173.2	273.0	130.7
	57	319.1	292.4	303.0	279.6	286.5	266.4	269.9	252.9	264.0	223.6	263.8	181.4	305.8	280.2	289.9	267.5	273.7	254.4	257.3	241.0	249.1	215.8	248.7	173.8
12375	77	374.7	223.9	375.6	179.1	376.3	133.5	-	-	-	-	-	-	355.9	218.2	356.8	173.4	357.1	127.6	-	-	-	-	-	-
	72	348.4	273.5	349.0	228.9	349.4	183.3	349.6	137.3	-	-	-	-	330.3	267.3	331.2	222.6	331.7	177.4	331.1	130.9	-	-	-	-
	67	330.9	300.3	322.3	277.8	323.1	233.1	322.8	186.9	322.4	140.1	-	-	317.0	287.5	304.6	271.0	305.9	226.1	305.4	180.0	304.7	133.3	-	-
	62	330.8	301.6	314.2	288.5	297.3	275.0	296.3	235.5	295.7	189.0	294.8	141.7	316.8	288.7	300.6	275.9	283.8	262.5	279.5	228.4	279.3	181.8	278.3	134.6
	57	330.7	302.8	314.1	289.7	297.1	276.3	279.9	262.0	270.1	237.0	269.5	190.2	316.7	289.9	300.4	277.0	283.7	263.5	266.7	249.6	254.1	229.9	254.0	182.6
		115 (°F)												125 (°F)											
6875	77	305.3	158.5	305.3	132.1	305.3	105.1	-	-	-	-	-	-	285.5	160.0	285.6	131.1	285.2	102.0	-	-	-	-	-	-
	72	281.5	187.5	281.2	161.2	280.9	134.5	280.2	107.0	-	-	-	-	262.8	189.6	262.7	160.6	262.4	131.8	261.7	102.6	-	-	-	-
	67	257.6	215.5	257.6	189.6	257.1	163.0	256.3	135.9	255.2	108.1	-	-	239.9	217.7	240.4	189.4	239.8	160.4	239.0	131.5	237.9	102.4	-	-
	62	246.7	225.3	233.3	214.6	234.1	190.5	233.3	163.6	232.4	136.4	231.3	108.5	233.6	223.1	220.5	210.4	217.5	187.7	217.2	158.9	216.1	130.1	215.0	101.4
	57	246.5	226.1	233.0	215.4	219.6	204.4	211.2	189.9	210.5	163.2	209.4	135.8	233.4	223.5	220.3	210.7	207.1	197.8	195.4	184.7	195.4	156.5	194.3	127.9
8250	77	316.5	173.1	316.8	141.9	316.5	109.9	-	-	-	-	-	-	295.4	175.1	295.7	141.2	295.5	106.9	-	-	-	-	-	-
	72	292.0	207.1	291.8	175.9	291.6	144.4	291.2	112.1	-	-	-	-	272.3	209.9	272.1	175.8	271.9	141.8	271.4	107.5	-	-	-	-
	67	266.9	239.5	267.6	209.4	267.5	178.1	267.0	146.2	266.3	113.7	-	-	250.4	238.3	248.7	209.5	248.7	175.5	248.5	141.7	247.6	107.6	-	-
	62	264.7	241.5	250.3	230.1	243.7	210.6	243.6	179.2	242.6	146.9	241.4	114.1	250.2	238.8	236.2	225.2	225.8	208.4	226.3	174.5	225.3	140.4	224.2	106.7
	57	264.5	242.4	250.1	231.0	235.6	219.2	221.1	207.3	220.3	179.1	219.3	146.7	250.0	239.2	236.0	225.5	221.9	211.8	207.8	198.1	204.1	172.1	203.2	138.6
9625	77	323.7	186.5	324.3	150.8	324.6	114.1	-	-	-	-	-	-	301.7	189.0	302.2	150.2	302.1	110.8	-	-	-	-	-	-
	72	300.2	225.7	300.2	190.0	300.1	153.6	304.9	118.3	-	-	-	-	279.2	229.2	279.6	190.2	279.5	151.3	279.2	112.1	-	-	-	-
	67	279.3	253.6	275.5	228.4	275.3	192.2	274.7	155.5	274.0	118.1	-	-	263.7	250.9	255.7	229.0	256.0	190.0	255.4	150.8	254.5	112.0	-	-
	62	279.2	254.6	264.1	242.7	250.6	229.4	250.8	193.4	250.3	156.5	249.3	118.9	263.5	251.3	249.0	237.1	234.1	222.8	232.6	188.7	232.1	150.0	231.1	111.3
	57	279.0	255.7	264.0	243.6	248.7	231.3	233.3	218.6	227.4	194.1	226.8	156.6	263.4	251.8	248.8	237.6	234.0	223.2	219.1	208.7	210.2	186.3	209.8	148.1
11000	77	330.3	199.4	331.1	159.2	331.3	117.9	-	-	-	-	-	-	307.5	202.4	308.3	158.8	308.6	115.0	-	-	-	-	-	-
	72	305.8	243.4	306.0	203.0	306.2	162.2	313.9	123.2	-	-	-	-	284.1	247.5	284.7	203.6	284.5	159.6	284.5	115.9	-	-	-	-
	67	291.3	264.4	280.7	246.6	281.8	205.8	281.3	164.3	280.7	122.3	-	-	274.6	261.2	259.8	247.0	261.8	203.6	261.3	159.9	260.7	116.2	-	-
	62	291.1	265.4	275.6	253.1	259.7	240.3	256.8	207.1	256.0	165.2	255.4	123.3	274.5	261.7	259.5	247.1	244.1	232.1	238.0	202.7	237.2	158.6	236.4	115.3
	57	291.0	266.5	275.4	254.1	259.6	241.2	243.6	228.1	233.0	207.6	232.4	165.7	274.3	262.3	259.3	247.5	244.0	232.6	228.4	217.4	214.9	200.5	214.6	156.7
12375	77	334.8	222.9	335.7	174.4	336.8	125.9	-	-	-	-	-	-	311.4	215.2	312.4	166.8	312.6	118.4	-	-	-	-	-	-
	72	309.8	273.3	311.2	224.6	311.5	175.9	311.3	127.3	-	-	-	-	287.0	264.9	289.3	216.6	288.7	167.8	289.3	119.6	-	-	-	-
	67	301.3	286.5	285.5	270.9	286.9	225.2	287.1	176.8	286.1	127.9	-	-	283.8	269.6	268.5	254.7	265.9	217.0	265.8	168.2	265.2	119.9	-	-
	62	301.2	287.1	286.2	272.5	269.0	255.7	262.0	224.7	261.4	175.6	260.5	127.4	283.6	270.3	268.4	255.2	252.5	240.0	242.1	216.3	242.2	167.3	241.1	119.2
	57	301.0	287.6	285.2	272.2	268.8	256.2	252.3	240.1	237.2	222.7	236.8	174.1	283.5	270.8	268.2	255.8	252.4	240.4	236.4	224.9	220.4	209.2	219.0	165.1

30 ton cooling capacity performance

Table 11: UH30 and UV30 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																					
		Return dry bulb temp (°F)												Return dry bulb temp (°F)									
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		75 (°F)												85 (°F)											
7500	77	424.9	210.0	423.3	177.6	422.5	145.0	-	-	-	-	-	-	407.4	203.7	406.3	171.8	404.8	139.0	-	-	-	-	-	-
	72	394.6	247.6	393.2	215.2	391.6	182.2	389.9	148.7	-	-	-	-	378.4	240.9	377.0	208.6	375.3	175.8	373.5	142.5	-	-	-	-
	67	365.0	285.3	364.0	252.6	362.1	219.4	360.2	185.8	358.1	151.7	-	-	349.5	277.7	348.2	245.3	346.2	212.4	344.3	179.0	342.3	144.9	-	-
	62	341.0	311.6	335.2	289.0	333.4	256.0	331.6	222.3	329.4	188.1	327.2	153.4	329.0	300.5	320.3	280.7	318.4	248.3	316.6	214.8	314.5	180.9	312.2	146.4
	57	342.3	314.1	324.8	300.2	307.2	286.0	304.3	258.1	302.9	224.3	300.6	189.6	330.2	302.9	312.7	289.1	295.3	274.9	290.6	250.1	288.8	216.5	287.6	182.5
9000	77	441.0	222.0	440.5	190.5	439.7	151.4	-	-	-	-	-	-	423.5	222.6	422.3	184.2	420.6	145.1	-	-	-	-	-	-
	72	411.6	273.7	410.3	234.9	408.6	195.6	406.6	155.4	-	-	-	-	394.2	266.9	392.7	228.1	391.0	188.8	388.7	148.7	-	-	-	-
	67	381.8	317.9	380.2	279.4	378.5	239.8	376.6	199.6	373.9	158.6	-	-	365.3	310.1	363.2	271.7	361.8	232.4	359.6	192.4	357.2	151.7	-	-
	62	367.7	335.7	351.0	320.2	349.3	283.6	347.7	243.4	345.4	202.7	342.6	161.0	354.5	323.7	335.4	308.5	333.6	275.4	331.9	235.8	329.4	194.9	326.6	153.7
	57	369.0	338.6	350.0	323.3	330.9	308.0	319.9	286.3	317.5	245.8	315.2	204.3	355.7	326.3	337.0	311.3	318.1	296.0	304.1	276.6	302.3	237.4	300.2	196.4
10500	77	445.8	243.9	453.5	202.4	452.1	156.9	-	-	-	-	-	-	435.6	240.6	434.0	195.9	432.4	150.5	-	-	-	-	-	-
	72	423.9	298.8	422.7	253.4	421.1	207.8	418.7	161.1	-	-	-	-	405.2	291.5	404.4	246.5	402.6	200.8	400.0	154.4	-	-	-	-
	67	393.7	347.4	392.2	304.5	391.4	258.8	388.7	212.3	385.8	164.7	-	-	376.3	338.0	374.9	296.9	373.4	251.4	371.2	204.9	367.9	157.5	-	-
	62	389.4	355.4	369.1	339.5	361.9	309.5	359.7	263.3	357.2	215.6	353.8	167.3	375.2	342.6	355.3	326.7	345.1	301.0	342.8	255.2	340.4	207.9	337.0	159.7
	57	390.8	358.5	370.5	342.2	350.3	326.1	330.7	309.9	328.4	266.0	326.7	217.9	376.8	345.4	356.7	329.4	336.6	313.1	316.5	296.6	312.8	257.2	310.8	209.8
12000	77	449.5	254.1	463.8	213.6	461.4	161.8	-	-	-	-	-	-	444.2	257.6	442.9	206.8	441.1	155.3	-	-	-	-	-	-
	72	433.1	322.5	432.4	270.9	430.8	219.3	428.1	166.3	-	-	-	-	414.3	314.7	413.5	264.2	411.9	212.4	408.8	159.6	-	-	-	-
	67	405.6	368.4	402.0	328.5	400.4	277.1	398.3	224.1	394.7	170.1	-	-	390.7	354.9	383.8	320.6	382.2	269.3	380.0	216.5	376.4	162.9	-	-
	62	407.5	371.9	386.3	355.2	370.7	332.6	368.4	281.8	366.2	227.9	362.3	172.8	392.4	358.2	371.6	341.6	353.6	322.4	350.5	273.2	348.7	219.8	344.8	165.3
	57	409.1	375.1	387.8	358.3	366.5	340.9	345.1	323.4	338.1	284.8	335.3	230.4	394.1	361.1	373.1	344.5	352.0	327.5	330.9	309.9	321.6	276.3	319.0	222.2
13500	77	453.3	264.5	470.7	224.0	469.1	166.5	-	-	-	-	-	-	451.8	274.4	450.4	217.5	448.2	159.8	-	-	-	-	-	-
	72	441.4	344.6	439.9	288.2	438.5	230.2	435.3	171.1	-	-	-	-	421.4	336.9	420.2	280.7	418.8	223.0	415.3	164.1	-	-	-	-
	67	420.6	382.3	409.6	351.9	408.1	294.7	406.0	235.3	402.0	175.0	-	-	405.2	368.1	390.7	342.6	388.8	286.8	387.3	227.8	383.3	167.8	-	-
	62	422.7	385.9	400.8	368.7	378.9	350.6	376.0	299.5	373.7	239.3	369.4	178.0	406.9	371.3	385.4	354.3	363.5	336.5	358.2	290.6	355.7	231.2	351.6	170.3
	57	424.8	389.3	402.5	371.6	380.3	353.5	357.8	335.2	345.1	303.0	342.0	242.1	408.6	374.5	387.1	357.2	365.1	339.3	343.0	321.3	327.9	293.5	325.0	233.3
		95 (°F)												105 (°F)											
7500	77	388.5	196.9	387.0	164.9	385.7	132.5	-	-	-	-	-	-	367.7	189.6	366.2	157.8	364.7	125.5	-	-	-	-	-	-
	72	360.4	233.6	358.7	201.3	357.1	168.7	355.0	135.4	-	-	-	-	340.8	225.6	339.5	193.6	337.4	161.1	335.2	128.0	-	-	-	-
	67	332.7	269.5	331.2	237.6	329.4	204.7	327.2	171.4	324.9	137.5	-	-	314.5	261.1	312.7	229.0	311.1	196.5	308.8	163.4	306.6	129.9	-	-
	62	315.8	288.4	303.7	271.7	301.6	239.6	300.5	206.7	298.3	173.0	295.9	138.8	301.5	275.6	286.4	261.7	284.8	230.9	283.2	198.1	281.1	164.8	278.6	130.8
	57	317.0	290.8	299.7	276.9	282.6	263.0	275.4	241.5	273.6	208.0	271.4	173.9	302.8	277.6	285.8	264.0	269.1	250.3	259.2	231.9	257.6	199.2	255.4	165.4
9000	77	403.2	215.5	401.8	177.4	400.0	138.2	-	-	-	-	-	-	381.0	207.9	379.7	169.9	377.7	131.1	-	-	-	-	-	-
	72	374.7	259.0	373.5	220.6	371.6	181.5	369.3	141.7	-	-	-	-	353.8	250.7	352.6	212.6	350.6	173.7	348.1	134.0	-	-	-	-
	67	346.3	301.2	344.5	263.5	343.7	224.5	341.3	184.7	338.6	144.2	-	-	327.1	291.1	325.4	254.7	323.9	215.8	321.6	176.4	318.7	136.1	-	-
	62	340.1	310.3	321.4	295.3	316.5	266.7	314.6	227.3	312.1	186.8	309.1	145.8	324.5	295.8	306.3	281.4	298.1	257.4	296.2	218.4	293.8	178.2	290.6	137.5
	57	341.2	312.9	322.7	297.9	304.1	282.8	288.0	266.6	285.7	228.5	283.8	187.8	325.7	298.4	307.4	283.8	289.3	269.0	271.1	253.9	268.5	219.0	266.5	178.7
10500	77	413.8	233.1	412.6	188.8	410.7	143.6	-	-	-	-	-	-	390.6	225.4	389.5	181.2	387.2	136.2	-	-	-	-	-	-
	72	385.0	283.5	384.2	238.8	382.4	193.3	379.3	147.1	-	-	-	-	363.3	274.6	362.3	230.3	360.2	185.1	357.0	139.1	-	-	-	-
	67	358.1	325.1	356.0	288.4	354.2	243.1	351.9	196.9	348.6	149.8	-	-	341.4	309.8	335.2	278.8	333.6	234.4	331.2	188.3	327.8	141.6	-	-
	62	359.7	328.2	340.0	312.6	326.6	291.4	324.5	246.3	322.2	199.5	318.9	151.8	342.8	312.8	323.7	297.4	307.1	280.1	304.8	236.9	302.8	190.5	299.3	143.2
	57	361.1	331.0	341.3	315.1	321.8	299.3	301.9	282.9	296.1	247.9	293.7	200.8	344.2	315.4	324.9	299.8	305.7	284.1	286.3	268.1	278.1	238.3	275.6	191.6
12000	77	422.2	250.3	421.0	199.7	418.6	148.3	-	-	-	-	-	-	398.3	242.2	397.0	191.9	394.5	140.8	-	-	-	-	-	-
	72	393.6	306.2	392.5	256.1	390.7	204.5	387.3	152.0	-	-	-	-	370.5	297.1	369.7	247.6	368.1	196.3	364.5	144.1	-	-	-	-
	67	374.4	339.9	363.7	311.8	362.1	260.7	359.9	208.3	356.1	154.9	-	-	356.6	323.4	342.3	301.1	340.2	251.6	338.8	199.6	334.5	146.5	-	-
	62	376.1	343.0	355.5	326.6	334.8	309.8	332.1	264.1	329.7	211.0	325.9	157.0	358.1	326.6	338.1	310.4	317.9	294.0	312.5	254.5	309.9	201.9	305.8	148.3
	57	377.5	345.9	356.8	329.4	335.9	312.5	315.5	295.4	303.7	266.4	301.2	212.9	359.4	329.4	339.5	313.0	319.3	296.5	299.0	279.7	284.9	256.1	282.5	203.4
13500	77	428.7	266.6	427.8	210.0	425.2	152.8	-	-	-	-	-	-	404.4	258.5	403.0	202.2	400.2	145.1	-	-	-	-	-	-
	72	399.6	328.8	398.7	272.7	397.0	215.1	393.1	156.5	-	-	-	-	376.1	319.1	374.9	264.0	373.6	206.5	369.7	148.4	-	-	-	-
	67	388.1	352.3	370.6	331.5	368.4	278.0	366.6	219.3	362.2	159.6	-	-	369.4	334.8	348.7	318.4	346.8	268.4	344.7	210.4	340.2	151.1	-	-
	62	389.8	355.6	368.6	338.5	347.1	321.1	338.8	281.5	336.2	222.2	331.8	161.8	371.0	338.2	350.4	321.4	329.3	304.3	318.1	271.7	315.5	212.8	311.2	153.0
	57	391.3	358.5	370.1	341.3	348.5	323.8	326.9	305.8	309.9	283.2	306.7	224.0	372.5	341.0	351.7	324.2	330.6	307.0	309.6	289.5	290.3	271.4	287.4	214.1

Table 12: UH30 and UV30 cooling capacity performance continued

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		115 (°F)												125 (°F)											
7500	77	345.1	181.7	343.8	150.2	342.1	117.9	-	-	-	-	-	-	320.3	182.4	319.3	148.3	317.6	113.9	-	-	-	-	-	-
	72	319.7	217.1	318.1	185.4	316.3	153.0	314.0	120.1	-	-	-	-	296.8	218.6	303.1	187.1	293.5	149.2	291.2	114.6	-	-	-	-
	67	294.6	251.8	292.9	220.2	291.4	187.8	289.3	155.1	286.8	121.8	-	-	272.6	252.7	271.6	218.8	270.4	184.1	268.3	149.4	265.6	114.6	-	-
	62	286.3	261.2	269.8	248.1	266.9	221.6	265.1	189.2	262.7	156.0	260.1	122.4	269.7	257.3	253.8	241.8	247.5	217.9	245.5	183.1	243.3	148.4	240.6	113.8
	57	287.5	263.4	270.9	250.1	254.6	236.7	241.7	221.4	240.4	189.6	238.4	156.4	270.7	258.9	254.8	243.4	238.9	227.9	223.3	212.6	221.7	181.0	220.1	146.8
9000	77	357.0	199.8	355.6	162.0	353.6	123.4	-	-	-	-	-	-	331.0	201.1	329.8	160.3	327.9	119.4	-	-	-	-	-	-
	72	330.9	242.0	330.1	203.8	328.1	165.2	325.4	125.9	-	-	-	-	306.9	244.1	305.9	202.7	304.1	161.5	301.5	120.3	-	-	-	-
	67	306.1	277.9	304.8	245.2	302.9	206.8	300.6	167.6	297.6	127.7	-	-	287.6	273.6	282.0	244.4	280.4	203.2	278.1	161.6	275.0	120.3	-	-
	62	307.4	280.5	289.8	266.3	277.9	246.9	276.5	208.9	274.3	169.2	271.0	128.8	289.0	275.9	272.0	259.1	256.7	242.1	255.3	202.5	253.5	161.2	250.1	119.9
	57	308.6	282.9	291.0	268.5	273.3	254.0	255.8	239.4	250.5	208.9	248.4	169.4	290.1	277.4	273.1	260.8	256.1	244.1	239.2	227.6	231.5	200.7	229.2	159.5
10500	77	365.5	216.9	364.3	172.9	362.1	128.3	-	-	-	-	-	-	338.4	218.9	337.3	171.5	335.0	124.2	-	-	-	-	-	-
	72	339.9	265.1	338.9	221.5	336.8	176.6	333.6	131.0	-	-	-	-	314.3	268.0	313.5	220.7	311.7	172.8	308.4	125.2	-	-	-	-
	67	323.0	293.2	312.6	269.1	311.4	224.8	309.3	179.2	305.5	132.8	-	-	303.2	288.1	289.2	267.5	287.7	221.3	286.0	173.4	282.3	125.5	-	-
	62	324.5	295.8	306.0	280.8	287.4	265.6	284.7	227.0	282.3	181.0	279.2	135.6	304.6	290.3	286.9	272.8	268.9	255.4	263.0	220.7	260.4	172.7	256.6	124.8
	57	325.8	298.5	307.2	283.3	288.5	267.9	269.8	252.4	258.9	227.7	256.6	181.8	305.8	292.2	287.9	274.6	270.0	257.2	251.9	239.6	238.4	218.4	236.3	171.3
12000	77	372.3	233.4	371.3	183.5	368.2	132.7	-	-	-	-	-	-	344.3	236.1	343.5	182.3	340.5	128.7	-	-	-	-	-	-
	72	346.0	287.9	345.2	238.3	343.7	187.4	340.0	135.7	-	-	-	-	319.4	290.4	319.0	238.2	317.7	183.7	313.8	129.6	-	-	-	-
	67	337.2	305.5	319.2	289.5	317.8	242.0	315.7	190.1	311.5	137.7	-	-	315.9	300.1	297.6	282.0	293.8	238.3	291.7	184.3	287.3	130.0	-	-
	62	338.7	308.5	319.4	292.9	299.8	277.1	290.9	244.3	288.6	192.2	284.4	139.0	317.3	302.4	298.9	284.3	280.2	265.9	268.3	238.1	266.1	183.7	263.0	130.0
	57	340.1	311.2	320.6	295.6	300.9	279.3	281.4	263.1	264.8	244.3	262.6	193.1	318.8	304.4	299.7	285.7	281.4	267.8	262.6	249.5	244.2	231.5	241.6	182.4
13500	77	377.3	262.6	376.6	202.1	373.3	141.7	-	-	-	-	-	-	348.7	252.7	348.3	192.4	344.7	132.7	-	-	-	-	-	-
	72	351.5	323.0	350.2	265.3	348.7	204.1	344.8	143.3	-	-	-	-	325.0	307.4	323.9	254.1	322.1	193.9	318.0	133.7	-	-	-	-
	67	348.9	331.3	329.0	312.1	323.6	266.1	321.1	205.1	316.7	143.9	-	-	326.7	310.0	307.8	291.3	298.2	255.3	296.4	194.6	291.6	134.2	-	-
	62	350.4	333.9	330.6	314.4	310.4	294.5	296.0	266.1	293.8	204.9	289.2	143.7	328.3	312.3	309.2	293.5	289.7	274.8	272.9	253.1	270.8	194.3	266.1	133.7
	57	351.9	336.3	331.9	316.3	311.7	296.7	291.3	276.7	271.2	257.1	267.0	203.7	329.6	314.4	310.4	295.5	290.9	276.6	271.5	257.6	252.3	238.7	245.5	192.7

35 ton cooling capacity performance

Table 13: UH35 and UV35 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		75 (°F)												85 (°F)											
8750	77	492.8	245.0	490.1	205.9	487.4	166.9	-	-	-	-	-	-	455.8	243.2	459.0	197.1	469.4	160.7	-	-	-	-	-	-
	72	444.3	284.6	446.2	247.8	448.1	211.0	452.0	172.0	-	-	-	-	422.5	290.0	433.0	242.2	431.5	203.2	432.5	164.5	-	-	-	-
	67	404.5	325.2	411.8	290.8	419.0	256.4	418.8	216.7	419.4	177.1	-	-	390.3	337.7	399.8	287.0	400.5	248.3	401.2	209.0	401.5	169.5	-	-
	62	390.5	360.0	389.1	331.0	387.6	301.9	387.9	262.4	388.1	222.4	388.2	181.6	379.2	360.0	370.7	331.6	371.0	293.3	371.2	254.0	371.2	214.1	371.0	173.6
	57	400.2	370.6	381.6	353.5	363.4	338.8	358.0	307.1	357.7	266.7	357.2	225.9	380.7	363.1	367.7	340.3	349.9	326.3	341.8	298.2	341.5	257.9	340.8	217.1
10500	77	498.2	263.6	519.7	233.4	541.2	203.2	-	-	-	-	-	-	473.8	260.9	474.5	212.2	482.9	166.5	-	-	-	-	-	-
	72	465.6	317.9	467.8	271.0	470.1	224.2	471.0	179.7	-	-	-	-	441.9	319.7	442.9	267.1	448.1	218.3	450.0	172.1	-	-	-	-
	67	427.0	365.2	432.6	324.1	438.2	283.0	436.1	232.7	437.3	185.1	-	-	420.1	364.9	411.2	322.8	416.6	271.8	417.6	224.9	418.3	177.3	-	-
	62	416.0	383.4	409.8	359.1	403.6	334.7	404.8	286.8	405.0	238.6	405.1	189.9	421.9	368.3	392.1	361.2	385.6	325.8	386.7	278.1	386.8	230.1	386.6	181.6
	57	415.2	384.2	402.3	373.7	389.3	363.1	374.2	341.1	374.6	292.9	374.6	243.6	423.7	371.4	393.6	364.3	374.8	349.5	357.9	330.3	357.0	283.6	356.9	234.4
12250	77	511.3	285.5	513.1	232.5	515.0	179.6	-	-	-	-	-	-	486.9	277.5	490.9	225.0	494.8	172.5	-	-	-	-	-	-
	72	477.7	347.8	480.3	294.1	482.9	240.4	485.5	186.7	-	-	-	-	454.9	338.1	457.2	291.6	460.2	232.9	462.0	178.4	-	-	-	-
	67	448.0	408.0	449.4	356.0	450.9	304.1	449.7	248.0	451.0	192.3	-	-	433.3	386.3	424.3	355.5	428.5	294.8	429.7	239.9	431.2	184.6	-	-
	62	450.2	411.2	431.8	391.2	413.5	371.1	417.1	310.7	417.9	254.4	418.3	197.5	435.4	389.4	414.8	382.0	397.3	356.5	398.3	301.6	399.0	245.7	399.2	189.0
	57	451.7	414.7	431.3	398.8	410.9	382.9	390.0	366.3	386.3	317.3	386.7	259.6	436.9	392.7	416.5	385.2	394.8	367.9	374.6	351.8	368.1	307.7	368.2	250.2
14000	77	520.9	306.8	527.4	247.3	533.9	187.9	-	-	-	-	-	-	495.6	298.6	501.1	238.8	506.6	178.9	-	-	-	-	-	-
	72	487.7	377.4	482.5	313.3	477.2	249.2	494.8	192.6	-	-	-	-	463.9	369.4	463.5	307.7	470.8	247.2	472.5	184.8	-	-	-	-
	67	467.4	425.3	464.1	375.9	460.7	326.4	458.9	262.3	460.9	198.7	-	-	453.4	399.0	430.3	377.0	436.4	316.4	438.4	253.9	440.2	190.6	-	-
	62	469.6	429.2	455.3	397.3	441.0	365.4	426.7	333.4	427.8	269.4	428.4	204.3	455.5	402.8	429.2	389.0	409.8	380.1	407.1	324.1	407.9	260.3	408.3	195.5
	57	471.5	433.0	449.8	416.0	428.2	398.9	406.5	381.9	395.8	340.3	396.3	275.0	457.3	406.3	430.6	392.2	411.5	383.4	390.5	366.6	377.1	330.6	377.3	265.4
15750	77	528.3	327.6	530.4	259.5	532.6	191.3	-	-	-	-	-	-	502.3	318.9	507.1	251.4	512.0	183.8	-	-	-	-	-	-
	72	494.6	403.0	495.9	337.0	497.2	271.0	502.3	198.1	-	-	-	-	474.4	390.5	472.6	332.0	477.9	260.5	480.0	190.5	-	-	-	-
	67	474.0	454.2	467.9	403.0	461.7	351.8	468.4	276.7	469.4	204.9	-	-	477.4	394.9	449.9	394.0	443.8	338.1	446.1	267.9	448.1	196.7	-	-
	62	476.2	458.4	462.8	426.1	448.3	391.0	433.9	355.8	435.8	283.9	436.8	210.7	479.2	398.6	452.1	398.0	423.6	392.8	413.9	346.4	415.8	274.9	416.2	201.9
	57	478.1	462.5	464.6	429.8	442.4	412.2	420.3	394.6	403.0	363.1	403.9	289.7	481.1	402.1	453.8	401.4	425.3	396.1	403.6	378.7	384.4	353.1	384.4	280.0
		95 (°F)												105 (°F)											
8750	77	443.1	227.6	440.3	189.1	442.2	151.7	-	-	-	-	-	-	415.3	218.5	416.5	181.1	418.7	143.9	-	-	-	-	-	-
	72	410.7	271.4	409.7	233.5	411.1	195.3	412.1	156.9	-	-	-	-	385.7	262.3	387.4	224.8	388.7	186.8	389.7	148.5	-	-	-	-
	67	379.4	316.1	380.5	278.3	381.2	239.8	381.7	200.9	382.0	161.3	-	-	358.0	306.8	359.3	268.8	360.1	230.6	360.4	191.8	360.7	152.5	-	-
	62	368.6	336.9	353.5	320.7	352.9	284.1	352.7	244.9	352.5	205.2	352.2	164.8	352.0	321.7	335.1	308.5	332.4	274.1	332.6	235.2	332.4	195.6	331.9	155.5
	57	370.0	339.8	352.7	326.4	335.2	312.4	324.3	287.9	323.7	248.1	323.0	207.6	353.3	324.3	336.3	311.1	319.1	297.4	305.3	277.5	304.8	237.8	304.0	197.7
10500	77	441.3	254.5	454.9	203.4	457.7	158.3	-	-	-	-	-	-	472.8	254.0	429.5	195.1	432.9	150.3	-	-	-	-	-	-
	72	411.7	311.9	424.6	256.0	426.1	210.3	428.2	164.2	-	-	-	-	398.3	292.5	400.9	247.0	402.5	201.5	404.4	155.6	-	-	-	-
	67	391.3	356.0	394.2	309.4	396.0	262.9	396.5	216.1	397.4	168.9	-	-	374.2	340.8	371.5	299.6	373.3	253.4	374.0	206.8	374.6	159.8	-	-
	62	393.0	359.3	376.0	346.2	366.3	315.9	366.9	268.8	367.0	221.0	366.6	172.5	375.8	343.6	358.2	329.7	343.6	305.4	345.3	258.8	347.6	211.9	345.0	162.9
	57	394.7	362.4	377.4	349.1	358.8	334.3	339.8	319.6	338.2	273.5	337.9	224.8	377.3	346.4	359.5	332.5	341.2	318.0	322.5	302.8	317.9	262.5	317.5	214.2
12250	77	451.2	277.8	468.4	218.0	469.4	164.5	-	-	-	-	-	-	440.4	261.8	439.4	208.8	443.6	156.4	-	-	-	-	-	-
	72	420.0	343.9	436.0	278.1	436.4	224.2	439.2	170.4	-	-	-	-	410.0	324.0	409.7	268.5	412.0	215.4	414.5	161.8	-	-	-	-
	67	410.9	373.3	404.7	339.0	406.7	285.5	408.0	231.0	409.1	175.7	-	-	394.3	358.6	381.0	329.8	383.0	275.8	384.4	221.3	385.3	166.4	-	-
	62	412.9	377.2	395.5	364.2	377.9	345.5	377.3	292.2	378.1	236.2	378.0	179.8	394.8	360.8	376.5	346.8	357.4	331.5	354.8	281.8	355.5	226.0	355.3	169.9
	57	414.3	380.4	397.2	367.3	377.6	351.8	357.8	335.9	348.4	297.3	348.3	240.0	396.9	364.3	378.2	349.8	359.0	334.4	339.5	318.6	327.3	285.8	327.1	229.3
14000	77	457.1	300.5	480.9	232.6	478.3	170.2	-	-	-	-	-	-	447.6	282.8	447.1	222.0	452.0	162.1	-	-	-	-	-	-
	72	427.7	373.8	444.8	299.8	446.0	238.3	448.9	176.6	-	-	-	-	419.0	347.9	417.0	289.6	420.3	229.2	423.2	167.7	-	-	-	-
	67	426.5	387.6	413.0	367.3	414.1	307.2	416.0	245.0	418.1	182.0	-	-	396.8	376.0	390.1	356.7	389.5	296.8	391.7	235.2	392.9	172.4	-	-
	62	428.5	391.5	411.9	378.9	391.8	363.4	385.7	314.7	386.5	250.7	386.6	186.2	410.8	375.3	391.8	360.4	372.0	344.8	361.9	304.2	363.2	240.4	363.2	176.1
	57	430.2	394.8	413.3	382.0	393.4	366.4	372.6	349.6	356.4	320.1	356.5	255.0	402.4	385.0	393.2	363.5	373.5	347.8	353.3	331.3	335.1	308.3	334.4	243.9
15750	77	463.1	322.4	484.6	244.5	486.7	176.0	-	-	-	-	-	-	461.5	304.3	453.6	234.9	459.4	167.8	-	-	-	-	-	-
	72	437.4	394.7	451.6	323.0	452.1	251.3	456.0	182.3	-	-	-	-	414.8	370.5	422.7	310.3	426.3	242.4	429.7	173.3	-	-	-	-
	67	440.1	399.2	424.9	388.8	420.8	328.7	423.2	258.8	424.7	187.7	-	-	411.9	390.0	402.5	368.1	395.5	318.5	398.2	248.8	399.5	178.1	-	-
	62	441.8	402.9	426.6	392.5	404.9	375.1	392.1	335.8	393.5	264.8	393.8	192.3	417.3	397.0	404.5	371.8	384.3	355.6	367.0	324.9	369.6	254.2	369.6	182.2
	57	443.6	406.5	428.1	395.7	406.5	378.2	385.1	361.2	364.2	341.1	363.0	269.4	412.2	393.8	406.0	375.1	385.9	359.0	365.0	342.0	343.8	324.2	340.2	258.0

Table 14: UH35 and UV35 cooling capacity performance continued

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		115 (°F)												125 (°F)											
8750	77	388.2	209.2	391.0	172.5	393.1	135.5	-	-	-	-	-	-	360.3	199.8	362.6	163.2	365.5	126.5	-	-	-	-	-	-
	72	361.5	252.8	363.1	215.4	364.4	177.8	365.7	139.7	-	-	-	-	335.0	242.5	338.4	206.1	338.1	168.0	339.3	130.2	-	-	-	-
	67	336.6	295.5	336.5	258.5	337.2	220.8	337.4	182.1	337.6	143.1	-	-	312.8	284.0	311.2	248.1	312.5	210.2	312.8	171.8	313.0	133.1	-	-
	62	333.8	305.1	322.2	284.2	310.6	263.3	310.8	224.6	310.6	185.4	310.0	145.5	313.9	286.8	298.0	274.2	286.9	252.5	287.3	213.5	287.3	174.6	286.7	135.0
	57	335.0	307.5	318.6	294.7	301.8	281.2	285.9	265.2	284.3	227.0	283.6	187.2	315.2	289.2	299.2	276.5	282.8	263.4	266.3	249.6	262.3	215.8	261.6	176.1
10500	77	399.6	230.4	402.3	186.3	406.2	141.9	-	-	-	-	-	-	370.7	220.7	373.5	176.9	377.2	132.9	-	-	-	-	-	-
	72	372.7	282.3	374.8	237.2	376.8	192.1	378.9	146.6	-	-	-	-	343.9	271.8	346.6	227.1	348.8	181.9	351.1	136.8	-	-	-	-
	67	354.3	322.2	347.4	289.0	348.7	243.4	349.7	196.9	350.2	150.1	-	-	332.7	302.2	321.1	278.5	322.4	232.5	323.6	186.2	324.0	139.9	-	-
	62	355.8	325.2	338.7	311.6	323.3	293.6	322.2	247.9	322.5	200.6	321.9	152.7	334.3	305.3	317.7	292.3	300.4	278.5	297.6	236.4	297.9	189.4	297.2	142.0
	57	357.3	328.0	340.1	314.3	322.2	300.2	304.1	285.3	295.8	251.4	295.6	203.2	335.6	307.8	318.9	294.8	301.6	280.9	284.1	266.4	272.7	238.9	272.2	191.4
12250	77	408.5	251.5	411.7	199.9	415.8	147.7	-	-	-	-	-	-	376.9	241.2	381.3	190.2	385.6	138.5	-	-	-	-	-	-
	72	380.3	311.2	383.9	258.8	385.4	205.7	387.8	152.5	-	-	-	-	351.5	300.4	353.8	248.4	357.0	195.6	359.2	142.7	-	-	-	-
	67	372.0	337.8	356.8	317.7	357.2	265.5	359.0	211.1	359.9	156.5	-	-	348.6	316.7	331.6	303.6	329.8	253.9	331.7	200.2	332.5	146.1	-	-
	62	373.8	341.4	355.7	327.3	337.3	312.6	330.7	270.6	331.4	215.1	331.1	159.3	350.1	319.8	333.1	306.3	315.4	291.9	305.1	258.3	305.8	203.6	305.1	148.4
	57	375.1	344.3	357.2	330.2	338.5	315.2	319.7	299.7	304.1	274.6	304.0	217.7	351.6	322.5	334.5	308.9	316.7	294.5	298.3	279.6	280.9	261.2	279.8	205.9
14000	77	413.8	271.9	417.7	212.6	423.3	153.4	-	-	-	-	-	-	381.8	261.4	387.2	203.0	392.3	144.1	-	-	-	-	-	-
	72	387.3	338.3	389.6	279.5	392.8	219.3	395.5	158.3	-	-	-	-	359.6	324.6	359.6	269.2	363.3	208.9	365.8	148.4	-	-	-	-
	67	386.1	350.8	368.0	336.5	363.4	286.4	365.3	224.6	366.4	162.3	-	-	361.5	328.1	344.3	314.7	335.4	275.2	337.3	213.6	338.2	151.6	-	-
	62	387.9	354.4	369.7	339.8	350.8	324.8	336.4	292.5	338.3	229.2	338.1	165.5	363.2	331.5	345.9	317.7	327.7	303.2	311.5	280.1	312.0	217.5	311.6	154.4
	57	389.5	357.3	371.2	342.7	352.1	327.7	332.5	311.6	312.4	295.0	310.9	232.4	364.7	334.2	347.3	320.4	329.1	306.0	310.1	290.3	290.7	274.1	285.7	220.1
15750	77	419.2	291.8	423.7	225.6	429.7	158.8	-	-	-	-	-	-	386.7	281.4	391.8	215.4	397.6	149.4	-	-	-	-	-	-
	72	396.0	357.3	394.1	300.0	398.2	232.3	401.3	163.7	-	-	-	-	370.3	333.8	363.8	289.5	368.0	221.7	371.0	153.5	-	-	-	-
	67	398.5	361.3	379.7	346.8	369.2	307.2	371.3	238.3	372.5	168.1	-	-	372.4	337.8	355.0	324.0	340.4	296.1	342.9	227.0	343.7	157.2	-	-
	62	400.0	364.7	381.6	350.4	362.0	335.0	343.7	313.4	343.9	242.8	343.7	171.2	374.1	341.1	356.5	327.3	337.9	312.4	318.7	296.9	316.5	230.8	316.7	160.0
	57	401.6	367.9	383.1	353.4	363.5	337.9	343.3	321.5	322.8	304.4	216.3	246.3	375.7	344.1	357.9	330.2	339.3	315.2	320.0	298.9	300.1	282.2	290.4	233.4

40 ton cooling capacity performance

Table 15: UH40 and UV40 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		75 (°F)												85 (°F)											
10000	77	550.3	276.7	547.1	232.0	545.4	187.2	-	-	-	-	-	-	524.0	267.0	520.8	222.6	517.5	177.7	-	-	-	-	-	-
	72	505.9	325.1	502.9	280.2	499.4	234.8	496.1	189.1	-	-	-	-	481.2	314.4	478.2	270.0	474.7	225.0	471.3	179.7	-	-	-	-
	67	463.6	372.5	460.5	327.8	457.6	282.5	454.1	236.8	450.6	190.7	-	-	440.4	360.9	437.4	316.6	434.6	271.8	431.2	226.6	427.7	181.0	-	-
	62	437.7	401.1	420.3	373.5	417.4	329.0	414.4	283.5	411.3	237.4	407.9	191.2	419.8	384.5	400.2	360.7	396.5	317.6	393.5	272.6	390.3	227.1	386.9	181.3
	57	436.9	402.1	412.7	382.7	389.2	363.6	378.3	329.5	375.7	284.0	372.6	237.7	419.0	385.5	395.2	366.4	372.0	347.3	358.0	317.9	355.7	272.4	352.6	226.7
12000	77	570.8	301.9	567.5	248.5	565.5	195.2	-	-	-	-	-	-	543.2	291.8	539.8	238.9	536.3	185.6	-	-	-	-	-	-
	72	525.5	359.1	522.4	305.7	519.2	251.9	515.6	197.5	-	-	-	-	498.8	347.6	496.3	295.0	492.9	241.6	489.4	187.9	-	-	-	-
	67	482.5	415.1	479.8	362.5	476.7	308.8	473.1	254.1	469.6	199.6	-	-	458.2	402.1	455.4	350.6	452.0	297.4	448.7	243.6	445.0	189.5	-	-
	62	470.2	430.9	443.9	409.8	436.0	364.3	432.9	310.2	429.4	255.5	425.8	200.4	450.3	412.6	424.8	391.9	413.2	352.0	410.4	298.7	407.1	244.6	403.5	190.3
	57	469.4	431.8	443.1	410.9	417.1	389.7	395.6	363.8	391.9	310.5	389.1	255.9	449.6	413.7	424.1	392.8	398.6	372.2	375.6	349.1	371.0	298.6	367.9	244.5
14000	77	585.5	325.5	582.5	264.0	580.5	202.2	-	-	-	-	-	-	556.7	315.1	553.5	254.1	549.7	192.5	-	-	-	-	-	-
	72	540.2	391.4	537.4	329.8	534.1	267.7	530.3	204.9	-	-	-	-	513.2	379.5	510.2	318.8	506.9	257.2	502.9	195.1	-	-	-	-
	67	500.6	450.1	493.9	394.9	490.6	332.8	487.5	270.4	483.6	207.1	-	-	476.4	434.3	468.1	382.2	464.9	321.2	461.7	259.2	458.0	196.9	-	-
	62	496.7	455.1	468.7	432.8	449.4	397.3	446.4	335.2	443.2	272.0	439.3	208.5	475.6	435.7	448.1	413.5	426.3	383.7	422.9	323.1	419.6	260.7	415.8	198.0
	57	495.8	456.3	467.9	433.9	440.3	411.2	412.8	388.6	405.0	335.8	401.7	272.5	474.8	436.5	447.2	414.5	420.5	392.4	393.9	370.6	383.0	323.3	379.7	260.8
16000	77	596.9	348.2	593.8	278.6	591.6	208.8	-	-	-	-	-	-	567.3	337.5	564.1	268.3	560.3	198.8	-	-	-	-	-	-
	72	551.6	422.3	548.6	352.8	545.3	282.5	541.1	211.5	-	-	-	-	523.2	410.0	520.4	341.3	517.2	271.8	512.9	201.4	-	-	-	-
	67	519.6	473.9	504.4	426.7	501.6	356.6	498.3	285.5	494.3	214.0	-	-	496.9	453.1	478.1	413.3	475.1	344.4	472.0	274.3	467.7	203.6	-	-
	62	518.6	475.2	489.4	451.7	463.1	424.1	457.2	358.6	453.7	287.4	449.8	215.6	496.4	454.5	467.5	431.4	439.5	408.4	432.9	346.4	429.2	275.7	425.1	204.7
	57	517.7	476.6	488.6	452.8	459.4	429.1	430.9	405.2	414.7	360.1	412.0	288.3	495.6	455.6	466.9	432.3	438.7	409.1	410.9	386.1	392.0	347.4	389.4	276.4
18000	77	605.8	370.1	602.8	292.5	600.5	214.8	-	-	-	-	-	-	575.3	359.0	572.2	281.9	568.3	204.4	-	-	-	-	-	-
	72	560.6	452.0	557.2	375.1	554.2	296.6	550.2	217.7	-	-	-	-	531.1	440.3	528.4	363.3	525.4	285.7	521.2	207.6	-	-	-	-
	67	538.1	490.7	514.0	455.4	510.7	378.9	507.4	300.0	502.9	220.4	-	-	514.8	469.1	488.5	439.0	483.6	366.3	480.3	288.5	476.0	209.7	-	-
	62	537.3	492.3	506.8	467.8	476.8	442.9	465.8	381.7	462.3	302.2	458.1	222.1	513.9	470.7	484.3	446.3	454.6	422.3	440.3	368.4	437.1	290.1	432.9	211.0
	57	536.4	493.7	506.0	469.0	476.1	444.1	446.1	419.5	423.1	382.8	419.7	303.0	513.2	471.9	483.5	447.5	454.0	423.5	425.1	399.3	400.5	368.5	396.9	290.9
		95 (°F)												105 (°F)											
10000	77	495.7	256.8	492.4	212.6	489.3	168.2	-	-	-	-	-	-	465.5	245.7	462.4	202.2	459.2	158.3	-	-	-	-	-	-
	72	454.8	303.1	451.8	259.1	448.5	214.7	445.1	169.9	-	-	-	-	426.9	291.3	424.1	247.8	420.7	203.9	417.4	159.7	-	-	-	-
	67	415.6	348.5	412.8	304.8	410.1	260.6	406.8	215.8	403.5	170.9	-	-	389.7	335.7	387.3	292.6	384.3	248.7	381.3	204.8	377.8	160.3	-	-
	62	400.5	366.6	379.3	346.0	374.1	305.6	371.1	261.1	367.9	216.1	364.5	171.1	379.9	347.8	357.6	329.7	349.8	293.0	347.4	249.1	344.2	204.7	340.9	160.3
	57	399.7	367.5	376.7	349.1	354.0	330.5	337.4	305.1	335.1	260.7	332.1	215.7	379.2	348.6	356.9	330.5	334.9	312.6	316.4	291.1	313.1	248.3	310.4	204.0
12000	77	513.3	281.0	509.9	228.6	506.3	175.8	-	-	-	-	-	-	481.4	269.5	478.1	217.7	474.6	165.6	-	-	-	-	-	-
	72	471.0	335.8	468.4	283.7	465.1	230.9	461.4	177.7	-	-	-	-	441.7	323.2	438.9	271.8	435.6	219.6	431.9	167.1	-	-	-	-
	67	434.2	386.9	429.4	338.2	426.1	285.4	422.8	232.4	419.1	179.0	-	-	408.0	371.1	402.1	325.2	399.0	273.4	395.7	220.9	391.9	168.1	-	-
	62	429.2	393.1	404.2	372.9	388.7	339.3	386.2	286.4	383.2	233.2	379.5	179.4	406.8	372.4	382.5	352.7	363.6	325.5	361.1	273.8	358.0	221.1	354.4	168.3
	57	428.5	394.0	403.5	373.8	379.1	353.7	354.9	333.9	349.3	286.3	346.1	232.9	406.1	373.6	381.8	353.5	358.0	334.0	334.8	314.6	325.6	273.5	322.8	220.5
14000	77	525.5	303.8	522.2	243.3	518.6	182.5	-	-	-	-	-	-	492.5	291.9	489.3	232.3	485.5	171.9	-	-	-	-	-	-
	72	484.0	367.1	481.1	307.1	477.8	246.2	473.8	184.7	-	-	-	-	452.9	353.9	450.2	294.8	447.0	234.4	443.1	173.9	-	-	-	-
	67	453.3	413.3	440.4	370.0	437.7	309.1	434.7	247.8	430.8	186.1	-	-	429.6	391.3	412.1	356.0	409.4	296.3	406.3	235.7	402.4	175.0	-	-
	62	452.5	414.6	426.1	392.9	402.6	367.7	398.0	310.2	394.5	248.9	390.7	186.9	428.6	392.4	403.1	371.4	377.6	350.6	371.9	297.3	368.4	236.5	364.5	175.3
	57	451.9	415.4	425.3	393.8	399.2	372.3	373.7	351.2	359.7	310.4	356.8	248.7	428.1	393.4	402.4	372.4	377.0	351.3	352.2	330.7	335.1	297.0	332.6	235.9
16000	77	535.1	325.7	532.1	257.4	528.0	188.5	-	-	-	-	-	-	500.8	313.5	498.1	246.0	494.2	177.9	-	-	-	-	-	-
	72	493.1	396.8	490.2	329.3	487.0	260.2	482.9	190.9	-	-	-	-	461.0	384.0	458.3	316.6	455.5	248.3	451.4	179.8	-	-	-	-
	67	473.4	431.1	450.8	399.3	447.4	331.6	444.0	262.4	439.9	192.6	-	-	448.0	407.6	423.4	381.2	418.0	318.2	414.7	250.0	410.5	181.0	-	-
	62	472.5	432.5	444.5	409.7	416.9	387.1	406.8	333.2	403.4	263.5	399.3	193.4	447.2	408.6	420.0	386.9	393.3	364.9	379.3	319.5	376.3	250.7	372.3	181.6
	57	471.6	433.6	443.8	410.7	416.3	388.2	389.4	365.6	368.4	333.0	365.7	263.8	446.4	409.8	419.3	387.9	392.7	365.9	366.7	344.0	344.0	317.9	340.5	250.5
18000	77	542.4	347.0	539.7	271.0	535.4	194.1	-	-	-	-	-	-	508.0	334.8	505.0	259.3	500.7	183.5	-	-	-	-	-	-
	72	500.7	425.7	497.9	350.6	494.5	273.8	490.4	196.7	-	-	-	-	469.0	409.7	465.8	337.2	462.4	261.8	458.1	185.5	-	-	-	-
	67	490.0	445.9	461.3	421.6	454.7	353.3	451.7	276.4	447.2	198.4	-	-	463.4	421.6	435.2	398.4	424.2	339.3	421.6	263.4	417.3	186.8	-	-
	62	489.2	447.2	460.0	423.8	431.4	400.1	413.3	355.4	410.6	277.5	406.3	199.4	462.6	422.7	434.5	399.5	406.6	377.0	385.8	340.7	384.9	265.4	378.7	187.4
	57	488.4	448.7	459.3	425.0	430.8	401.3	402.7	377.7	376.9	351.7	372.2	278.0	461.8	423.9	433.8	401.0	411.4	382.9	378.9	355.2	352.7	332.7	346.7	264.3

Table 16: UH40 and UV40 cooling capacity performance continued

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		115 (°F)												125 (°F)											
10000	77	433.7	234.3	430.7	191.3	427.4	147.9	-	-	-	-	-	-	400.3	234.1	397.4	187.9	394.1	142.1	-	-	-	-	-	-
	72	401.8	280.7	394.7	235.9	391.5	192.6	388.2	149.0	-	-	-	-	366.8	279.7	363.9	232.9	360.9	187.0	357.7	141.3	-	-	-	-
	67	363.6	321.0	360.4	279.7	357.5	236.6	354.4	193.2	351.1	149.5	-	-	336.6	319.7	331.3	277.2	329.2	230.8	326.4	185.2	323.1	140.0	-	-
	62	357.7	327.5	336.6	310.3	324.5	279.9	322.5	236.5	319.5	192.9	316.1	149.0	335.2	320.8	314.3	300.3	298.3	273.5	296.4	227.7	293.8	182.7	290.5	137.9
	57	357.6	328.6	336.0	311.0	314.7	293.5	294.3	275.7	290.2	235.3	287.5	191.7	334.6	320.9	313.6	300.5	293.3	280.6	273.3	261.1	265.9	224.3	263.6	179.2
12000	77	447.8	257.6	444.7	206.5	441.5	155.0	-	-	-	-	-	-	412.4	258.3	409.5	203.2	405.8	148.8	-	-	-	-	-	-
	72	410.7	310.3	407.9	259.5	404.7	207.9	401.1	156.0	-	-	-	-	377.9	311.6	374.9	256.6	372.4	202.2	369.0	148.2	-	-	-	-
	67	383.7	349.5	372.7	312.4	370.3	260.6	367.3	208.8	363.5	156.7	-	-	358.7	342.0	342.7	309.1	340.3	254.6	337.4	200.5	333.7	146.8	-	-
	62	382.9	350.5	359.6	331.3	338.9	309.3	335.0	260.6	331.8	208.8	328.2	156.7	358.1	342.3	335.5	320.5	313.3	298.7	307.0	252.1	304.5	197.9	301.1	145.1
	57	382.5	351.4	359.1	332.2	336.1	313.3	313.7	294.3	301.1	259.5	298.6	207.7	357.4	342.5	334.8	320.6	312.8	299.0	291.2	277.8	275.4	247.7	273.4	194.4
14000	77	457.4	279.5	454.7	220.6	450.9	161.1	-	-	-	-	-	-	420.8	281.0	418.1	217.6	414.6	155.1	-	-	-	-	-	-
	72	420.2	340.6	417.7	281.8	415.0	222.4	411.0	162.6	-	-	-	-	386.1	342.8	384.2	279.7	381.3	216.8	377.6	154.6	-	-	-	-
	67	404.1	367.7	383.6	340.7	379.7	282.8	376.5	223.3	372.8	163.3	-	-	377.0	359.4	353.1	335.6	348.5	277.0	345.8	215.0	342.2	153.3	-	-
	62	403.4	368.8	378.5	348.5	354.0	328.3	344.0	283.8	340.9	223.5	337.1	163.4	376.3	359.8	352.6	336.3	329.0	313.5	315.3	275.0	312.6	212.5	308.8	151.3
	57	402.7	369.8	377.9	349.5	353.5	329.2	329.6	309.2	315.8	285.1	307.4	222.6	375.7	360.0	352.1	336.5	328.5	313.7	305.6	291.4	284.8	267.9	281.0	208.8
16000	77	465.1	301.0	462.5	234.2	458.5	166.8	-	-	-	-	-	-	427.8	303.0	424.9	231.2	421.3	160.8	-	-	-	-	-	-
	72	428.1	369.1	425.2	302.7	422.5	236.0	418.3	168.4	-	-	-	-	395.3	368.2	390.8	301.3	387.8	230.3	384.3	160.3	-	-	-	-
	67	420.8	382.8	394.9	361.3	387.2	304.6	384.3	237.1	380.5	169.3	-	-	392.2	373.5	367.8	349.8	355.6	299.9	352.6	228.7	347.9	158.7	-	-
	62	420.1	384.0	394.2	362.3	368.5	341.3	351.0	305.8	348.0	237.3	344.1	169.3	391.6	374.1	366.5	349.5	342.2	325.7	321.8	295.6	318.8	226.1	315.0	157.1
	57	419.5	385.1	393.6	363.4	367.9	342.3	342.9	321.3	318.6	300.6	314.4	236.9	391.0	374.2	366.2	349.8	341.7	325.9	317.9	302.6	294.7	279.7	287.7	222.5
18000	77	471.8	338.5	468.6	257.9	464.5	178.3	-	-	-	-	-	-	433.3	323.9	430.7	244.7	426.6	166.2	-	-	-	-	-	-
	72	437.3	410.9	431.8	337.6	428.7	257.3	424.3	177.9	-	-	-	-	405.7	385.2	396.1	322.7	393.4	243.4	389.7	165.6	-	-	-	-
	67	435.1	414.2	407.9	388.1	396.3	337.9	390.5	255.9	386.1	177.0	-	-	404.9	385.3	379.4	360.3	360.2	320.4	357.9	241.8	353.6	164.2	-	-
	62	434.3	414.9	407.2	388.4	380.7	362.5	357.7	331.2	353.5	253.4	350.4	175.4	404.4	385.9	378.7	360.6	353.4	335.8	328.9	311.8	324.1	239.0	320.2	162.4
	57	433.7	415.2	406.7	388.8	380.1	362.6	354.3	337.3	329.0	312.4	320.3	250.1	403.9	386.4	378.3	361.0	353.0	336.2	328.3	311.9	304.1	288.3	292.7	236.1

50 ton cooling capacity performance

Table 17: UH50 and UV50 cooling capacity performance

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		75 (°F)												85 (°F)											
12500	77	677.3	341.4	677.6	287.3	677.9	232.4	-	-	-	-	-	-	650.1	332.1	650.1	277.9	650.2	223.1	-	-	-	-	-	-
	72	631.4	406.1	631.0	351.5	630.4	296.1	630.3	240.1	-	-	-	-	605.5	395.0	605.3	341.6	604.9	286.4	604.3	230.2	-	-	-	-
	67	585.4	471.2	585.0	416.0	584.5	360.3	583.8	303.8	582.9	246.4	-	-	560.3	461.7	560.6	405.6	560.0	349.7	559.1	293.2	558.1	235.9	-	-
	62	558.4	510.4	539.1	481.5	539.0	425.9	538.2	367.9	537.3	309.8	535.5	250.9	539.8	493.3	516.2	469.5	515.4	414.7	514.9	357.1	514.2	299.5	512.9	240.8
	57	560.4	514.7	533.3	493.2	505.5	471.2	492.1	431.5	491.8	372.5	490.7	313.5	541.7	497.3	515.0	476.2	488.2	455.0	471.9	419.6	470.9	362.0	469.8	302.8
15000	77	702.1	373.6	702.4	308.4	702.9	242.3	-	-	-	-	-	-	673.0	364.1	673.2	298.9	673.5	232.8	-	-	-	-	-	-
	72	654.9	450.1	654.3	384.5	653.9	317.7	654.0	250.2	-	-	-	-	626.8	439.7	626.8	374.0	626.9	307.8	626.5	240.2	-	-	-	-
	67	608.3	526.7	608.6	461.2	608.1	394.4	607.5	326.4	606.7	257.4	-	-	582.8	514.5	582.7	450.2	581.8	383.3	581.1	315.6	580.1	246.7	-	-
	62	599.2	547.6	570.5	524.9	562.6	471.6	561.8	402.6	560.7	333.2	559.4	262.9	578.7	528.7	550.2	506.4	537.2	460.9	536.9	391.0	535.7	321.8	534.3	251.6
	57	601.5	551.9	572.5	529.4	543.4	506.2	516.2	477.6	515.4	409.6	514.8	338.2	581.0	533.2	552.3	510.6	523.3	487.3	494.5	464.2	492.6	398.7	491.8	327.0
17500	77	719.1	404.3	719.8	328.3	720.3	250.9	-	-	-	-	-	-	688.9	394.4	689.3	318.5	690.0	241.4	-	-	-	-	-	-
	72	672.8	492.7	672.8	416.5	672.6	338.5	672.6	259.6	-	-	-	-	644.2	482.0	643.7	405.9	643.9	328.2	643.8	249.6	-	-	-	-
	67	630.2	572.0	625.5	504.7	625.4	427.2	625.2	347.9	624.4	267.1	-	-	607.8	552.0	598.3	493.4	598.2	416.0	597.7	336.9	596.7	256.3	-	-
	62	632.9	577.5	601.7	553.4	579.4	516.0	579.0	436.4	577.8	355.4	576.3	273.2	610.3	557.1	580.2	533.7	554.0	502.6	552.9	424.4	551.5	343.6	550.0	261.6
	57	635.1	582.3	604.1	557.9	573.4	533.7	541.9	508.4	532.6	443.2	531.4	360.9	612.6	561.8	582.4	538.1	551.9	513.6	521.2	488.8	508.4	432.1	507.0	348.8
20000	77	732.5	434.2	733.4	347.3	734.6	259.3	-	-	-	-	-	-	701.1	424.2	702.0	337.3	703.1	249.5	-	-	-	-	-	-
	72	686.3	534.1	686.2	447.1	686.2	358.2	686.2	268.1	-	-	-	-	656.7	523.1	656.2	436.4	656.3	347.7	656.3	257.9	-	-	-	-
	67	657.6	596.5	639.6	546.1	638.0	458.4	638.7	368.2	637.9	276.1	-	-	634.0	575.2	610.7	535.5	610.5	447.0	609.9	356.8	608.7	264.7	-	-
	62	660.3	602.3	628.1	577.3	595.9	551.7	593.0	468.7	591.8	376.8	590.3	282.8	636.8	580.5	605.3	555.9	573.6	530.4	565.7	456.9	564.5	364.6	562.9	270.9
	57	662.9	607.7	630.4	582.1	598.1	556.4	565.7	530.2	546.0	477.4	544.6	383.1	639.1	585.7	607.7	560.4	575.6	535.2	543.5	508.7	520.5	465.0	519.4	370.7
		95 (°F)												105 (°F)											
12500	77	619.6	321.7	619.7	267.7	619.9	213.0	-	-	-	-	-	-	586.0	310.4	586.1	256.4	586.2	201.9	-	-	-	-	-	-
	72	577.0	385.0	576.7	330.7	576.1	275.5	575.5	219.5	-	-	-	-	545.2	373.9	545.2	318.9	544.7	264.0	544.3	208.0	-	-	-	-
	67	532.8	450.4	532.7	395.2	532.7	338.5	532.0	281.9	531.0	224.8	-	-	502.8	438.8	503.1	383.4	503.1	326.8	502.3	270.3	501.5	213.0	-	-
	62	518.9	474.2	492.8	453.7	490.0	402.9	489.0	345.4	488.5	287.7	487.3	229.2	496.2	453.3	470.7	433.2	462.1	390.4	461.4	333.3	461.1	275.4	459.8	217.0
	57	520.8	478.2	494.7	457.3	468.4	436.4	448.2	407.7	447.3	350.3	446.4	291.2	498.0	457.1	472.3	436.8	446.7	416.1	422.6	394.2	421.9	337.1	420.8	278.6
15000	77	640.4	353.2	640.9	288.4	641.3	222.5	-	-	-	-	-	-	604.9	341.7	605.0	277.0	605.7	211.2	-	-	-	-	-	-
	72	596.3	428.1	596.4	362.9	596.2	296.5	596.0	229.3	-	-	-	-	563.0	415.7	562.9	350.7	562.8	284.6	562.3	217.4	-	-	-	-
	67	554.0	504.3	554.0	438.2	553.1	371.5	552.3	303.9	551.4	235.2	-	-	528.6	480.2	520.8	427.4	522.0	358.8	521.1	291.3	519.9	222.8	-	-
	62	556.1	507.9	527.9	485.4	509.8	448.2	509.7	378.8	508.6	309.6	507.0	239.4	530.8	484.7	503.3	463.2	480.8	433.4	479.7	367.0	479.2	296.5	477.8	226.7
	57	558.0	512.0	529.9	489.6	501.5	467.0	473.2	444.0	467.0	385.7	466.1	314.7	532.4	488.0	505.3	467.0	477.7	444.7	450.1	422.3	438.9	372.8	438.7	301.3
17500	77	654.6	383.4	655.6	307.7	656.2	230.8	-	-	-	-	-	-	617.9	371.7	618.7	296.1	619.2	219.4	-	-	-	-	-	-
	72	612.0	470.3	611.8	394.2	612.0	316.8	611.2	238.2	-	-	-	-	576.5	458.8	577.0	381.8	576.9	304.7	576.7	226.1	-	-	-	-
	67	583.3	529.8	568.3	480.4	567.8	403.7	567.3	324.7	566.5	244.5	-	-	556.4	504.8	534.6	469.3	533.9	390.0	534.7	311.7	533.6	231.9	-	-
	62	585.9	534.6	556.8	511.7	526.4	487.3	524.5	411.4	523.1	330.9	521.4	249.2	558.7	509.6	530.0	486.9	501.0	463.5	493.5	397.9	492.5	317.4	491.9	236.5
	57	588.1	539.1	558.4	515.7	528.4	491.4	498.5	467.0	481.0	419.9	480.3	335.7	560.9	513.9	531.9	491.0	502.8	467.4	473.8	443.6	451.7	406.5	451.8	321.8
20000	77	665.9	412.9	667.2	326.6	668.9	239.0	-	-	-	-	-	-	627.6	400.7	628.8	314.8	630.0	227.3	-	-	-	-	-	-
	72	623.7	510.6	623.3	424.6	623.5	336.3	623.0	246.5	-	-	-	-	586.0	500.1	587.5	412.0	587.5	323.8	587.2	234.2	-	-	-	-
	67	608.0	551.4	580.0	522.7	579.4	434.6	578.5	344.4	577.3	252.8	-	-	579.1	525.3	549.3	501.6	545.5	421.0	544.7	331.5	543.5	240.0	-	-
	62	610.5	556.7	579.8	532.6	548.5	507.4	536.0	444.1	534.9	351.8	533.2	258.2	581.6	530.2	551.7	506.5	521.7	482.6	503.9	430.0	503.2	338.1	501.5	245.1
	57	612.9	561.4	581.9	536.9	550.6	511.8	519.4	486.0	493.1	450.0	491.5	357.0	583.9	534.7	553.8	510.7	523.6	486.3	492.9	461.3	462.9	437.2	461.9	342.8

Table 18: UH50 and UV50 cooling capacity performance continued

Air on evaporator coil		Temperature of air on condenser coil																							
		Return dry bulb temp (°F)												Return dry bulb temp (°F)											
CFM	WB (°F)	90		85		80		75		70		65		90		85		80		75		70		65	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		115 (°F)												125 (°F)											
12500	77	549.1	298.2	549.5	244.5	549.9	190.1	-	-	-	-	-	-	509.8	285.8	510.1	231.9	510.5	177.6	-	-	-	-	-	-
	72	510.0	362.6	510.8	307.3	510.7	251.8	510.3	195.9	-	-	-	-	472.8	349.4	473.4	294.3	473.7	239.0	473.7	183.0	-	-	-	-
	67	471.1	424.5	471.7	370.4	471.0	314.2	470.5	257.7	469.9	200.4	-	-	442.2	401.8	436.5	356.7	436.3	301.0	436.3	244.3	435.8	186.9	-	-
	62	471.3	430.5	446.5	411.0	432.7	376.4	432.0	319.9	431.2	262.2	430.3	203.8	444.0	405.5	420.1	386.6	401.0	360.8	400.2	305.4	399.5	248.1	398.8	189.9
	57	474.7	435.4	448.1	414.3	423.3	394.1	398.5	374.0	394.4	323.3	393.3	265.1	445.6	408.9	421.5	389.7	397.8	370.4	373.9	350.7	365.0	308.5	364.0	251.0
15000	77	566.1	329.2	566.6	264.5	567.5	199.3	-	-	-	-	-	-	526.1	316.2	525.0	251.4	525.8	186.3	-	-	-	-	-	-
	72	526.9	402.6	526.7	337.5	526.5	271.4	526.2	204.7	-	-	-	-	486.3	391.6	487.6	323.7	487.8	257.8	487.4	191.2	-	-	-	-
	67	501.3	454.9	487.6	413.9	487.5	346.2	487.4	277.8	486.3	209.6	-	-	471.0	427.5	451.0	398.3	450.8	333.0	451.2	264.3	450.5	195.8	-	-
	62	503.4	459.3	476.8	438.5	450.3	417.0	448.0	353.3	447.7	283.5	446.5	213.2	473.1	431.7	447.8	411.2	422.3	390.8	413.7	339.7	413.9	269.2	413.1	199.1
	57	505.3	463.2	478.6	442.0	452.0	420.5	425.3	398.6	410.1	357.9	409.1	287.6	474.9	435.3	449.6	414.7	424.0	394.2	398.4	373.2	382.4	344.7	377.6	272.8
17500	77	577.3	358.8	578.6	283.5	580.4	207.5	-	-	-	-	-	-	533.8	345.0	535.2	270.1	536.3	194.1	-	-	-	-	-	-
	72	538.8	444.3	539.2	368.2	539.3	291.4	538.9	213.2	-	-	-	-	498.1	430.4	498.6	354.7	499.0	277.3	498.9	199.6	-	-	-	-
	67	526.6	477.5	499.7	455.8	499.3	376.4	499.1	297.6	498.4	218.3	-	-	493.9	448.0	467.6	427.2	461.2	363.6	461.5	283.0	460.5	203.9	-	-
	62	528.9	482.0	501.2	460.4	473.1	437.7	459.5	385.9	459.7	303.0	458.1	222.2	496.3	452.5	469.7	431.2	443.2	409.7	423.9	371.9	425.5	288.6	423.3	207.4
	57	530.8	486.2	503.1	464.2	475.1	441.4	446.9	418.4	422.1	390.3	420.8	308.1	498.1	456.2	471.6	435.0	444.8	413.2	417.9	390.9	391.2	368.2	389.0	294.3
20000	77	585.9	387.9	587.7	302.0	588.9	214.7	-	-	-	-	-	-	541.3	373.8	545.5	288.9	544.8	201.5	-	-	-	-	-	-
	72	553.2	485.7	549.1	398.2	549.0	310.6	548.3	221.2	-	-	-	-	510.3	459.4	506.5	385.1	507.4	296.1	507.4	207.4	-	-	-	-
	67	547.6	495.9	519.2	473.6	508.7	408.6	508.6	317.3	507.5	226.3	-	-	512.9	464.4	485.9	443.1	469.5	393.8	470.0	302.5	469.1	212.0	-	-
	62	549.9	500.6	521.3	478.0	492.4	454.5	469.4	416.6	469.5	323.4	467.7	230.8	515.1	469.0	487.9	447.2	460.3	424.7	433.0	402.1	432.9	308.6	431.8	215.8
	57	551.9	505.1	523.2	482.3	494.1	458.4	464.8	434.3	435.6	409.8	429.9	328.6	517.0	473.1	489.7	451.2	462.0	428.6	434.1	405.5	406.2	382.0	396.9	312.9

27.5 ton hot gas reheat capacity performance

Table 19: UH28 and UV28 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
35 (°F)																
6875	72	235.5	114.4	12.7	235.3	98.1	12.7	235.1	81.5	12.7	-	-	-	-	-	-
6875	67	217.2	132.8	12.7	216.9	116.5	12.7	216.6	100.1	12.7	216.1	83.3	12.7	-	-	-
6875	62	199.4	150.8	12.7	199.5	134.7	12.7	199.1	118.3	12.7	198.7	101.6	12.7	198.0	84.5	12.7
6875	57	189.3	159.1	12.6	180.0	152.9	12.6	181.8	135.9	12.6	181.6	119.1	12.6	181.0	102.2	12.6
8250	72	245.8	123.8	12.7	245.7	104.7	12.7	245.4	85.1	12.7	-	-	-	-	-	-
8250	67	227.4	145.5	12.7	227.1	126.5	12.7	226.7	107.1	12.7	226.4	87.1	12.7	-	-	-
8250	62	208.5	168.2	12.7	208.7	147.9	12.7	208.2	128.4	12.7	208.1	108.7	12.7	207.3	88.5	12.7
8250	57	203.8	171.1	12.6	193.8	164.0	12.6	193.6	149.4	12.7	190.5	129.8	12.7	190.3	109.8	12.7
9625	72	253.8	132.6	12.7	253.6	110.7	12.7	253.3	87.9	12.7	-	-	-	-	-	-
9625	67	235.1	157.5	12.7	234.8	135.5	12.7	234.4	113.3	12.7	234.8	90.5	12.8		-	-
9625	62	215.7	180.4	12.7	215.8	160.0	12.7	215.3	137.8	12.7	216.1	115.2	12.7	215.4	92.1	12.8
9625	57	215.6	181.0	12.7	205.0	173.4	12.7	204.6	163.6	12.7	197.8	139.4	12.7	197.5	116.4	12.7
11000	72	259.7	140.8	12.6	259.5	116.0	12.7	259.2	90.7	12.7	-	-	-	-	-	-
11000	67	241.4	168.8	12.7	241.1	144.1	12.7	240.7	118.9	12.7	240.9	93.3	12.8	-	-	-
11000	62	225.6	188.6	12.7	225.8	171.7	12.7	225.3	146.5	12.7	222.3	121.1	12.8	221.5	95.1	12.8
11000	57	225.7	189.4	12.7	214.7	181.5	12.7	214.4	173.2	12.7	203.9	148.4	12.7	203.5	122.5	12.7
12375	72	264.6	148.6	12.6	264.4	121.4	12.7	264.1	93.1	12.7	-	-	-	-	-	-
12375	67	246.8	179.8	12.7	246.5	152.2	12.7	246.1	124.3	12.7	245.8	95.8	12.8	-	-	-
12375	62	234.1	195.4	12.7	234.2	185.3	12.7	233.7	154.9	12.8	227.0	126.5	12.8	226.4	97.8	12.8
12375	57	234.0	196.3	12.7	222.5	188.1	12.7	222.4	179.6	12.7	207.5	156.8	12.8	207.1	128.1	12.8
45 (°F)																
6875	72	226.2	111.2	14.0	226.0	95.5	14.0	225.8	79.3	14.1	-	-	-	-	-	-
6875	67	208.6	129.1	14.0	208.4	113.3	14.1	208.0	97.3	14.1	207.2	81.0	14.1	-	-	-
6875	62	191.5	146.7	14.0	191.6	131.1	14.0	191.2	115.1	14.0	190.4	98.8	14.0	189.5	82.2	14.1
6875	57	181.8	154.8	13.9	172.9	148.7	13.9	172.5	132.2	13.9	172.1	115.9	13.9	171.9	99.4	14.0
8250	72	236.1	120.4	14.0	235.9	101.9	14.0	235.7	82.7	14.1	-	-	-	-	-	-
8250	67	218.4	141.6	14.1	218.1	123.0	14.1	217.8	104.2	14.1	217.4	84.8	14.1	-	-	-
8250	62	200.3	163.6	14.0	200.4	143.9	14.0	200.0	124.9	14.1	199.9	105.7	14.1	199.1	86.1	14.1
8250	57	195.7	166.4	14.0	186.1	159.5	14.0	185.8	145.3	14.0	182.9	126.2	14.0	182.8	106.8	14.0
9625	72	243.8	129.0	14.0	243.6	107.7	14.0	243.3	85.5	14.0		-	-	-	-	-
9625	67	225.8	153.2	14.1	225.5	131.8	14.1	225.1	110.2	14.1	225.5	88.0	14.1	-	-	-
9625	62	207.1	175.4	14.0	207.3	155.6	14.1	206.8	134.0	14.1	207.5	112.1	14.1	206.9	89.5	14.1
9625	57	207.0	176.1	14.0	196.9	168.7	14.0	196.4	159.2	14.0	189.9	135.6	14.1	189.7	113.2	14.1
11000	72	249.5	137.0	14.0	249.3	112.8	14.0	249.0	88.2	14.0	-	-	-	-	-	-
11000	67	231.9	164.2	14.1	231.6	140.2	14.1	231.2	115.7	14.1	231.3	90.7	14.1	-	-	-
11000	62	216.7	183.4	14.0	216.8	167.0	14.1	216.3	142.5	14.1	213.5	117.8	14.1	212.7	92.5	14.2
11000	57	216.8	184.2	14.0	206.2	176.5	14.0	206.1	168.5	14.0	195.9	144.4	14.1	195.4	119.1	14.1
12375	72	254.2	144.5	14.0	254.0	118.0	14.0	253.7	90.5	14.0	-	-	-	-	-	-
12375	67	237.1	174.9	14.1	236.8	148.0	14.1	236.4	120.9	14.1	236.1	93.2	14.1	-	-	-
12375	62	224.8	190.1	14.0	224.9	180.3	14.1	224.4	150.6	14.1	218.0	123.1	14.1	217.5	95.1	14.2
12375	57	224.7	191.0	14.0	213.7	182.9	14.0	212.4	174.7	14.1	199.3	152.5	14.1	199.1	124.6	14.1
55 (°F)																
6875	72	217.2	108.2	15.5	217.1	92.8	15.5	216.8	77.1	15.6	-	-	-	-	-	-
6875	67	200.4	125.6	15.5	200.1	110.2	15.5	199.8	94.7	15.6	199.0	78.8	15.6	-	-	-
6875	62	183.9	142.7	15.5	184.0	127.5	15.5	183.6	111.9	15.5	182.9	96.1	15.5	182.0	79.9	15.5
6875	57	174.6	150.6	15.4	166.0	144.6	15.4	165.8	128.6	15.4	165.4	112.7	15.4	165.1	96.7	15.4
8250	72	226.8	117.1	15.5	226.6	99.1	15.5	226.3	80.5	15.6	-	-	-	-	-	-
8250	67	209.8	137.7	15.5	209.5	119.6	15.6	209.1	101.4	15.6	208.8	82.4	15.6	-	-	-
8250	62	192.3	159.1	15.5	192.5	140.0	15.5	192.0	121.5	15.6	192.0	102.8	15.6	191.2	83.7	15.6
8250	57	187.9	161.9	15.5	178.7	155.1	15.5	178.4	141.3	15.5	175.7	122.8	15.5	175.5	103.9	15.5
9625	72	234.1	125.4	15.5	233.9	104.7	15.5	233.7	83.2	15.5	-	-	-	-	-	-
9625	67	216.9	149.0	15.6	216.6	128.2	15.6	216.2	107.2	15.6	216.5	85.6	15.6	-	-	-
9625	62	198.9	170.6	15.5	199.0	151.4	15.6	198.6	130.4	15.6	199.3	109.0	15.6	198.7	87.1	15.6
9625	57	198.8	171.3	15.5	189.1	164.1	15.5	189.0	154.8	15.5	182.4	131.9	15.6	182.2	110.1	15.6
11000	72	239.6	133.2	15.5	239.4	109.7	15.5	239.1	85.8	15.5	-	-	-	-	-	-
11000	67	222.7	159.7	15.6	222.4	136.3	15.6	222.0	112.5	15.6	222.2	88.2	15.6	-	-	-

Table 19: UH28 and UV28 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
11000	62	208.1	178.4	15.5	208.2	162.4	15.6	207.8	138.6	15.6	205.0	114.6	15.6	204.3	90.0	15.7
11000	57	208.2	179.2	15.5	198.0	171.7	15.5	197.5	163.8	15.5	188.1	140.4	15.6	187.7	115.9	15.6
12375	72	244.1	140.6	15.5	243.9	114.8	15.5	243.6	88.1	15.5	-	-	-	-	-	-
12375	67	227.7	170.1	15.6	227.4	143.9	15.6	227.0	117.6	15.6	226.8	90.6	15.6	-	-	-
12375	62	215.9	184.9	15.5	216.0	175.3	15.6	215.6	146.5	15.6	209.4	119.7	15.6	208.8	92.5	15.7
12375	57	215.8	185.7	15.5	205.2	177.9	15.5	204.5	169.9	15.5	191.4	148.4	15.6	191.1	121.2	15.6
65 (°F)																
6875	72	208.6	105.2	17.2	208.5	90.3	17.2	208.2	75.0	17.2	-	-	-	-	-	-
6875	67	192.4	122.2	17.2	192.2	107.2	17.2	191.9	92.1	17.2	191.1	76.6	17.2	-	-	-
6875	62	176.6	138.8	17.2	176.7	124.0	17.2	176.4	108.8	17.2	175.7	93.5	17.2	174.8	77.7	17.2
6875	57	167.7	146.4	17.0	159.5	140.7	17.0	158.4	125.1	17.1	157.4	109.6	17.1	157.2	94.0	17.1
8250	72	217.8	113.9	17.2	217.6	96.4	17.2	217.4	78.3	17.2	-	-	-	-	-	-
8250	67	201.5	133.9	17.2	201.2	116.4	17.2	200.8	98.6	17.2	200.6	80.2	17.3	-	-	-
8250	62	184.7	154.8	17.2	184.8	136.1	17.2	184.4	118.2	17.2	184.4	100.0	17.2	183.7	81.4	17.3
8250	57	180.5	157.4	17.1	171.7	150.9	17.1	171.2	137.4	17.2	168.7	119.4	17.2	168.6	101.0	17.2
9625	72	224.8	122.0	17.1	224.7	101.9	17.2	224.4	80.9	17.1	-	-	-	-	-	-
9625	67	208.3	144.9	17.2	208.0	124.7	17.2	207.7	104.2	17.2	208.0	83.3	17.3	-	-	-
9625	62	191.0	166.0	17.2	191.2	147.2	17.2	190.8	126.8	17.2	191.4	106.0	17.3	190.8	84.7	17.3
9625	57	191.0	166.6	17.2	181.6	159.6	17.1	181.1	150.6	17.2	175.2	128.3	17.2	175.0	107.1	17.2
11000	72	230.1	129.6	17.1	229.9	106.7	17.2	229.6	83.5	17.2	-	-	-	-	-	-
11000	67	213.9	155.3	17.2	213.6	132.6	17.2	213.2	109.5	17.2	213.4	85.8	17.3	-	-	-
11000	62	199.9	173.5	17.2	200.0	158.0	17.2	199.6	134.8	17.3	196.9	111.5	17.3	196.2	87.5	17.3
11000	57	200.0	174.3	17.2	190.2	167.0	17.2	190.1	159.4	17.2	180.7	136.6	17.2	180.3	112.7	17.3
12375	72	234.4	136.7	17.1	234.2	111.7	17.1	234.0	85.7	17.2	-	-	-	-	-	-
12375	67	218.7	165.4	17.2	218.4	140.0	17.2	218.0	114.4	17.2	217.8	88.1	17.3	-	-	-
12375	62	207.3	179.8	17.2	207.5	170.5	17.2	207.0	142.5	17.3	201.1	116.4	17.3	200.6	90.0	17.3
12375	57	207.3	180.7	17.2	197.1	173.0	17.2	196.7	165.2	17.2	183.8	144.3	17.3	182.1	117.9	17.3
75 (°F)																
6875	72	200.1	102.2	18.9	199.9	87.2	19.0	199.7	71.9	19.0	-	-	-	-	-	-
6875	67	184.3	118.9	18.9	184.1	104.0	18.9	183.8	88.8	18.9	182.9	73.3	18.9	-	-	-
6875	62	168.9	135.2	18.8	169.0	120.5	18.8	168.6	105.3	18.8	167.7	89.9	18.8	166.9	74.2	18.9
6875	57	161.7	141.1	18.7	153.8	135.3	18.6	153.1	121.2	18.7	152.6	105.8	18.7	152.4	90.3	18.7
8250	72	208.6	110.8	18.9	208.5	93.2	19.0	208.2	75.1	19.0	-	-	-	-	-	-
8250	67	192.7	130.6	18.9	192.4	112.9	18.9	192.1	95.1	19.0	191.6	76.7	19.0	-	-	-
8250	62	176.7	149.6	18.8	176.8	132.5	18.9	176.4	114.6	18.9	175.9	96.4	18.9	175.1	77.8	18.9
8250	57	173.9	151.7	18.8	165.4	145.1	18.8	164.2	133.5	18.8	160.7	115.5	18.8	160.5	97.1	18.8
9625	72	215.3	118.9	18.9	215.1	98.6	19.0	214.9	77.9	19.0	-	-	-	-	-	-
9625	67	199.0	141.4	18.9	198.8	121.3	19.0	198.4	100.7	19.0	198.4	79.7	19.0	-	-	-
9625	62	184.0	159.8	18.9	184.2	143.4	18.9	183.8	123.1	18.9	182.4	102.3	19.0	181.7	80.9	19.0
9625	57	184.0	160.4	18.9	174.9	153.4	18.8	173.9	144.8	18.8	166.7	124.3	18.8	166.4	103.1	18.9
11000	72	220.1	126.4	18.9	220.0	103.6	19.0	219.7	80.2	19.0	-	-	-	-	-	-
11000	67	204.3	151.8	19.0	204.0	129.1	19.0	203.7	105.9	19.0	203.5	82.2	19.0	-	-	-
11000	62	192.4	167.0	18.9	192.6	154.0	18.9	192.1	131.1	19.0	187.5	107.6	19.0	186.8	83.7	19.0
11000	57	192.4	167.6	18.9	182.9	160.4	18.9	181.4	152.8	18.8	171.4	132.4	18.9	171.3	108.6	18.9
12375	72	224.2	133.6	18.9	224.0	108.3	19.0	223.8	82.4	19.0	-	-	-	-	-	-
12375	67	208.2	161.7	19.0	207.9	136.5	19.0	207.5	110.8	19.0	207.8	84.5	19.1	-	-	-
12375	62	199.6	173.1	18.9	199.7	163.8	18.9	199.3	138.7	19.0	191.4	112.5	19.0	190.8	86.1	19.1
12375	57	199.5	173.8	18.9	189.7	166.3	18.9	188.2	158.4	18.9	174.9	140.0	18.9	175.1	113.7	19.0
85 (°F)																
6875	72	193.2	99.7	21.0	193.1	84.7	21.0	192.9	69.3	21.1	-	-	-	-	-	-
6875	67	177.7	116.2	20.9	177.4	101.2	20.9	177.1	86.1	20.9	176.0	70.5	20.9	-	-	-
6875	62	162.6	132.1	20.7	162.7	117.4	20.7	162.3	102.3	20.7	161.2	87.0	20.7	160.3	71.2	20.7
6875	57	156.6	136.7	20.5	148.9	130.5	20.4	147.2	117.9	20.5	146.4	102.6	20.5	146.0	87.1	20.5
8250	72	201.3	108.2	21.1	201.1	90.6	21.1	200.9	72.5	21.1	-	-	-	-	-	-
8250	67	185.6	127.8	20.9	185.3	110.1	21.0	185.0	92.3	21.0	184.5	73.9	21.0	-	-	-
8250	62	169.8	146.0	20.7	169.9	129.4	20.8	169.5	111.5	20.8	168.9	93.2	20.8	168.2	74.7	20.9
8250	57	168.5	146.9	20.7	160.2	140.2	20.6	159.0	130.0	20.6	153.9	112.1	20.6	153.7	93.8	20.6
9625	72	207.6	116.3	21.1	207.5	96.0	21.1	159.8	75.2	21.2	-	-	-	-	-	-
9625	67	191.6	138.6	21.0	191.3	118.3	21.0	191.0	97.8	21.0	190.7	76.8	21.1	-	-	-
9625	62	178.2	154.8	20.8	178.4	140.3	20.9	178.0	119.9	20.9	175.0	99.0	20.9	174.2	77.7	20.9
9625	57	178.1	155.3	20.8	169.4	148.2	20.7	169.1	140.7	20.6	159.6	120.8	20.7	159.3	99.7	20.7

Table 19: UH28 and UV28 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
11000	72	212.2	123.8	21.1	212.0	100.9	21.2	211.8	77.6	21.2	-	-	-	-	-	-
11000	67	196.3	148.9	21.1	196.0	126.1	21.1	195.7	103.0	21.1	195.8	79.3	21.1	-	-	-
11000	62	186.4	161.7	20.9	186.5	150.7	20.9	186.1	127.7	20.9	179.7	104.3	21.0	179.1	80.4	21.0
11000	57	186.4	162.5	20.9	177.3	155.0	20.8	178.4	147.4	20.7	163.9	128.9	20.8	163.9	105.1	20.8
12375	72	216.1	130.9	21.2	215.9	105.6	21.2	215.6	79.7	21.2	-	-	-	-	-	-
12375	67	200.4	158.8	21.1	200.1	133.6	21.1	199.8	107.8	21.1	199.7	81.6	21.2	-	-	-
12375	62	193.2	167.5	21.0	193.4	160.0	20.9	193.0	135.3	21.0	183.5	109.2	21.0	182.8	82.8	21.1
12375	57	193.2	168.3	21.0	183.7	160.7	20.9	182.6	152.7	20.8	167.2	136.5	20.8	167.1	110.2	20.9

30 ton hot gas reheat capacity performance

Table 20: UH30 and UV30 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
35 (°F)																
7500	72	304.1	141.3	12.7	302.9	120.3	12.7	301.9	99.1	12.8	-	-	-	-	-	-
7500	67	281.7	165.2	12.7	280.1	144.2	12.7	279.0	122.9	12.7	277.7	101.2	12.8	-	-	-
7500	62	260.3	189.1	12.6	259.1	168.0	12.6	257.2	146.3	12.7	255.7	124.6	12.7	254.2	102.6	12.8
7500	57	249.4	198.5	12.6	236.3	189.4	12.6	236.3	169.4	12.6	235.3	147.9	12.7	234.5	126.1	12.7
9000	72	317.6	153.9	12.7	316.4	128.9	12.8	315.0	103.3	12.8	-	-	-	-	-	-
9000	67	295.1	182.5	12.7	293.3	157.2	12.7	292.1	131.7	12.8	290.3	105.7	12.8	-	-	-
9000	62	269.7	211.9	12.6	271.1	185.5	12.7	270.0	160.0	12.7	268.3	133.9	12.8	266.4	107.5	12.8
9000	57	269.1	214.0	12.6	254.7	204.2	12.6	248.6	188.1	12.6	247.3	161.7	12.7	245.4	135.3	12.7
10500	72	327.5	165.6	12.7	326.4	136.7	12.8	325.0	107.2	12.8	-	-	-	-	-	-
10500	67	304.0	198.6	12.7	303.7	169.5	12.8	301.9	140.0	12.8	299.7	109.7	12.9	-	-	-
10500	62	283.9	224.8	12.6	281.5	202.5	12.7	279.7	172.8	12.7	277.8	142.3	12.8	275.2	111.5	12.9
10500	57	285.1	226.6	12.6	269.7	216.0	12.6	255.2	205.8	12.7	255.4	174.8	12.7	254.5	144.2	12.8
12000	72	335.3	177.0	12.7	334.3	144.2	12.8	332.6	110.6	12.9	-	-	-	-	-	-
12000	67	312.3	214.0	12.7	311.1	181.3	12.8	309.6	147.5	12.8	307.1	113.3	12.9	-	-	-
12000	62	297.3	235.3	12.7	288.1	219.2	12.7	286.2	184.6	12.8	285.0	150.3	12.8	282.2	115.2	12.9
12000	57	298.5	237.3	12.6	282.6	226.3	12.7	266.4	215.0	12.7	263.5	187.1	12.8	261.4	152.3	12.8
13500	72	341.2	187.9	12.7	340.5	151.2	12.8	338.5	113.6	12.9	-	-	-	-	-	-
13500	67	317.9	230.5	12.7	317.0	192.5	12.8	315.7	154.9	12.8	313.1	116.6	13.0	-	-	-
13500	62	308.4	244.5	12.7	292.0	232.7	12.7	292.6	195.8	12.8	291.0	157.8	12.8	288.1	118.7	12.9
13500	57	309.8	246.4	12.7	293.2	234.6	12.7	276.4	223.1	12.7	268.7	198.9	12.8	266.8	159.7	12.8
45 (°F)																
7500	72	290.0	136.6	14.1	288.8	116.3	14.2	287.9	95.8	14.2	-	-	-	-	-	-
7500	67	268.6	159.7	14.1	267.1	139.4	14.1	266.1	118.8	14.2	264.8	97.8	14.2	-	-	-
7500	62	248.2	182.8	14.0	247.0	162.4	14.1	245.3	141.4	14.1	243.8	120.5	14.2	242.3	99.1	14.2
7500	57	237.8	191.8	14.0	225.3	183.0	14.0	225.4	163.7	14.1	224.3	142.9	14.1	223.6	121.9	14.1
9000	72	302.9	148.7	14.1	301.7	124.6	14.2	300.4	99.9	14.3	-	-	-	-	-	-
9000	67	281.4	176.4	14.1	279.7	152.0	14.2	278.5	127.3	14.2	276.8	102.2	14.3	-	-	-
9000	62	257.1	204.8	14.0	258.5	179.3	14.1	257.5	154.6	14.2	255.9	129.4	14.2	254.0	103.9	14.3
9000	57	256.6	206.9	14.0	242.9	197.4	14.0	237.1	181.8	14.1	235.8	156.4	14.1	234.0	130.8	14.2
10500	72	312.3	160.1	14.2	311.2	132.2	14.2	310.0	103.6	14.3	-	-	-	-	-	-
10500	67	289.9	192.0	14.2	289.6	163.9	14.2	287.8	135.3	14.2	285.7	106.0	14.3	-	-	-
10500	62	270.7	217.3	14.1	268.4	195.7	14.1	266.7	167.1	14.2	264.9	137.6	14.2	262.4	107.8	14.3
10500	57	271.8	219.1	14.1	257.2	208.8	14.1	243.3	199.0	14.1	243.5	169.0	14.2	242.7	139.4	14.2
12000	72	319.7	171.1	14.2	318.8	139.4	14.2	317.2	106.9	14.3	-	-	-	-	-	-
12000	67	297.8	206.9	14.1	296.6	175.3	14.2	295.2	142.6	14.3	292.8	109.5	14.4	-	-	-
12000	62	283.5	227.5	14.1	274.7	211.9	14.1	272.9	178.5	14.2	271.8	145.3	14.3	269.1	111.4	14.4
12000	57	284.6	229.4	14.1	269.5	218.7	14.1	254.0	207.8	14.1	251.3	180.8	14.2	249.3	147.2	14.2
13500	72	325.4	181.6	14.2	324.7	146.2	14.2	322.8	109.8	14.3	-	-	-	-	-	-
13500	67	303.1	222.8	14.1	302.3	186.1	14.2	301.1	149.7	14.3	298.6	112.7	14.4	-	-	-
13500	62	294.1	236.3	14.1	278.5	224.9	14.1	279.0	189.3	14.2	277.5	152.5	14.3	274.7	114.7	14.4
13500	57	295.5	238.2	14.1	279.6	226.8	14.1	263.6	215.6	14.1	256.2	192.3	14.2	254.4	154.4	14.3
55 (°F)																
7500	72	276.5	132.0	15.7	275.4	112.4	15.8	274.5	92.6	15.8	-	-	-	-	-	-
7500	67	256.1	154.4	15.7	254.7	134.8	15.7	253.7	114.9	15.8	252.5	94.6	15.8	-	-	-
7500	62	236.7	176.7	15.6	235.6	157.0	15.7	233.9	136.7	15.7	232.5	116.4	15.7	231.1	95.8	15.8
7500	57	226.8	185.4	15.6	214.9	176.9	15.5	214.9	158.2	15.7	213.9	138.2	15.7	213.3	117.9	15.7
9000	72	288.8	143.8	15.7	287.7	120.4	15.8	286.5	96.6	15.9	-	-	-	-	-	-
9000	67	268.3	170.5	15.7	266.7	146.9	15.8	265.6	123.1	15.8	264.0	98.8	15.9	-	-	-
9000	62	245.2	198.0	15.6	246.5	173.3	15.7	245.5	149.5	15.7	244.0	125.1	15.8	242.2	100.5	15.9
9000	57	244.7	200.0	15.6	231.6	190.8	15.6	226.1	175.8	15.7	224.8	151.1	15.7	223.1	126.5	15.8
10500	72	297.8	154.8	15.8	296.8	127.7	15.8	295.6	100.1	15.9	-	-	-	-	-	-
10500	67	276.4	185.6	15.7	276.2	158.4	15.8	274.5	130.8	15.8	272.5	102.5	15.9	-	-	-
10500	62	258.2	210.0	15.6	255.9	189.2	15.7	254.3	161.5	15.8	252.6	133.0	15.8	250.3	104.2	15.9
10500	57	259.2	211.8	15.6	245.2	201.9	15.6	232.0	192.3	15.7	232.2	163.4	15.8	231.4	134.7	15.8
12000	72	304.9	165.4	15.8	304.0	134.8	15.8	302.4	103.3	15.9	-	-	-	-	-	-
12000	67	284.0	200.0	15.7	282.9	169.4	15.8	281.5	137.9	15.9	279.2	105.9	16.0	-	-	-
12000	62	270.3	219.9	15.7	262.0	204.8	15.7	260.2	172.5	15.8	259.2	140.5	15.9	256.6	107.7	16.0

Table 20: UH30 and UV30 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
12000	57	271.4	221.8	15.7	257.0	211.4	15.7	242.2	200.8	15.7	239.6	174.8	15.8	237.7	142.3	15.8
13500	72	310.3	175.6	15.8	309.6	141.3	15.8	307.8	106.2	16.0	-	-	-	-	-	-
13500	67	289.1	215.3	15.7	288.3	179.9	15.8	287.1	144.7	15.9	284.7	108.9	16.0	-	-	-
13500	62	280.4	228.4	15.7	265.6	217.4	15.7	266.0	183.0	15.8	264.6	147.4	15.9	262.0	110.9	16.0
13500	57	281.7	230.2	15.7	266.6	219.2	15.7	251.3	208.4	15.7	244.3	185.8	15.8	242.6	149.2	15.9
65 (°F)																
7500	72	263.7	127.6	17.5	262.6	108.7	17.5	261.8	89.5	17.6	-	-	-	-	-	-
7500	67	244.3	149.2	17.4	242.9	130.3	17.5	241.9	111.0	17.5	240.8	91.4	17.6	-	-	-
7500	62	225.7	170.8	17.4	224.6	151.7	17.4	223.0	132.1	17.5	221.7	112.6	17.5	220.4	92.6	17.6
7500	57	216.3	179.3	17.3	204.9	171.0	17.3	204.9	153.0	17.4	204.0	133.6	17.4	203.4	113.9	17.5
9000	72	275.4	139.0	17.5	274.4	116.4	17.6	273.2	93.3	17.6	-	-	-	-	-	-
9000	67	255.9	164.9	17.5	254.3	142.0	17.5	253.3	119.0	17.6	251.7	95.5	17.7	-	-	-
9000	62	233.8	191.4	17.4	235.0	167.5	17.5	234.1	144.5	17.5	232.7	120.9	17.6	231.0	97.1	17.7
9000	57	233.3	193.3	17.4	220.9	184.4	17.4	215.6	169.9	17.4	214.4	146.1	17.5	212.8	122.2	17.5
10500	72	284.0	149.6	17.5	283.0	123.5	17.6	281.8	96.8	17.7	-	-	-	-	-	-
10500	67	263.6	179.4	17.5	263.4	153.1	17.6	261.7	126.4	17.6	259.8	99.1	17.7	-	-	-
10500	62	246.2	203.0	17.4	244.0	182.9	17.5	242.5	156.1	17.5	240.8	128.6	17.6	238.6	100.7	17.7
10500	57	247.2	204.7	17.4	233.9	195.1	17.4	221.3	185.9	17.4	221.4	157.9	17.5	220.7	130.2	17.6
12000	72	290.7	159.9	17.5	289.8	130.3	17.6	288.4	99.9	17.7	-	-	-	-	-	-
12000	67	270.8	193.3	17.5	269.7	163.8	17.6	268.4	133.3	17.6	266.3	102.4	17.8	-	-	-
12000	62	257.8	212.5	17.4	249.8	198.0	17.5	248.1	166.8	17.6	247.1	135.8	17.7	244.6	104.1	17.8
12000	57	258.8	214.4	17.4	245.0	204.4	17.4	231.0	194.1	17.5	228.5	169.0	17.6	226.7	137.6	17.6
13500	72	295.9	169.7	17.5	295.3	136.6	17.6	293.5	102.6	17.8	-	-	-	-	-	-
13500	67	275.6	208.2	17.5	274.9	173.9	17.6	273.8	139.9	17.7	271.5	105.3	17.8	-	-	-
13500	62	267.4	220.8	17.5	253.2	210.2	17.5	253.7	176.9	17.6	252.3	142.5	17.7	249.8	107.2	17.8
13500	57	268.7	222.5	17.4	254.3	211.9	17.5	239.6	201.5	17.5	233.0	179.6	17.6	231.3	144.2	17.7
75 (°F)																
7500	72	251.0	123.1	19.4	249.9	104.2	19.5	248.9	85.1	19.5	-	-	-	-	-	-
7500	67	232.3	144.5	19.3	231.1	125.5	19.4	229.9	106.3	19.4	228.6	86.8	19.5	-	-	-
7500	62	214.0	165.3	19.2	212.8	146.5	19.3	211.6	127.2	19.3	210.3	107.6	19.4	208.8	87.8	19.4
7500	57	207.3	171.7	19.1	196.0	163.6	19.1	194.2	147.7	19.2	193.3	128.4	19.2	191.9	108.5	19.3
9000	72	261.9	134.4	19.4	260.8	111.9	19.5	259.5	88.9	19.6	-	-	-	-	-	-
9000	67	242.7	159.9	19.4	241.6	137.2	19.4	240.3	114.2	19.5	238.6	90.8	19.6	-	-	-
9000	62	224.0	183.2	19.2	222.9	162.3	19.3	221.9	139.3	19.4	220.5	115.9	19.4	218.6	92.1	19.5
9000	57	223.4	185.0	19.2	211.2	176.2	19.2	204.2	163.8	19.2	202.7	140.6	19.3	201.1	116.9	19.4
10500	72	269.8	145.0	19.5	268.8	118.9	19.6	267.2	92.2	19.7	-	-	-	-	-	-
10500	67	250.3	174.2	19.4	249.8	148.1	19.5	248.1	121.4	19.5	246.2	94.2	19.7	-	-	-
10500	62	235.6	194.3	19.3	231.0	177.1	19.3	229.5	150.7	19.4	228.0	123.4	19.5	225.8	95.7	19.6
10500	57	236.5	195.8	19.3	223.6	186.6	19.3	211.0	177.3	19.3	209.6	152.2	19.4	208.5	124.7	19.4
12000	72	275.9	155.0	19.5	274.9	125.4	19.6	273.2	95.1	19.7	-	-	-	-	-	-
12000	67	256.6	188.0	19.4	255.5	158.5	19.5	254.2	128.2	19.6	251.9	97.3	19.7	-	-	-
12000	62	246.6	203.2	19.3	236.6	190.3	19.4	235.1	161.2	19.5	233.7	130.4	19.5	231.2	98.9	19.7
12000	57	247.5	205.0	19.3	233.9	195.0	19.3	220.2	185.0	19.3	215.8	162.9	19.4	214.0	131.8	19.5
13500	72	280.8	164.9	19.5	279.9	131.7	19.6	277.9	97.9	19.8	-	-	-	-	-	-
13500	67	261.4	201.4	19.4	260.5	168.6	19.5	259.1	134.6	19.6	256.5	100.1	19.8	-	-	-
13500	62	255.8	210.9	19.4	241.8	200.6	19.4	240.0	171.4	19.5	238.5	136.9	19.6	235.8	101.8	19.7
13500	57	256.9	212.6	19.3	242.7	202.3	19.4	228.4	191.8	19.4	220.2	173.3	19.4	218.3	138.5	19.5
85 (°F)																
7500	72	240.6	119.3	21.6	239.5	100.6	21.7	238.4	81.5	21.7	-	-	-	-	-	-
7500	67	222.2	140.4	21.5	220.9	121.5	21.5	219.8	102.4	21.6	218.5	82.9	21.7	-	-	-
7500	62	204.4	160.6	21.3	203.2	142.0	21.4	202.1	122.9	21.4	200.7	103.5	21.5	199.3	83.8	21.5
7500	57	199.6	165.4	21.2	188.5	157.3	21.2	185.5	143.1	21.2	184.3	123.8	21.2	183.6	104.4	21.3
9000	72	250.7	130.5	21.7	249.5	108.0	21.8	248.1	85.1	21.9	-	-	-	-	-	-
9000	67	231.8	155.5	21.6	230.9	133.0	21.6	229.5	110.1	21.7	228.0	86.8	21.8	-	-	-
9000	62	214.1	176.5	21.3	212.9	157.6	21.4	211.8	134.9	21.5	210.2	111.5	21.6	208.4	88.0	21.7
9000	57	215.1	178.1	21.3	203.0	169.3	21.3	194.1	158.2	21.3	192.9	135.9	21.4	191.6	112.4	21.4
10500	72	258.1	141.0	21.7	256.9	114.9	21.8	255.3	88.4	22.0	-	-	-	-	-	-
10500	67	239.3	169.9	21.6	238.3	143.8	21.7	236.9	117.3	21.7	234.8	90.1	21.9	-	-	-
10500	62	226.8	186.9	21.4	220.2	172.2	21.5	218.8	146.0	21.6	217.3	118.9	21.6	215.1	91.4	21.8
10500	57	227.7	188.5	21.4	214.8	179.1	21.4	202.0	169.7	21.3	199.6	147.2	21.4	198.4	120.0	21.5
12000	72	263.9	151.1	21.8	262.9	121.5	21.9	260.9	91.3	22.0	-	-	-	-	-	-

Table 20: UH30 and UV30 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
12000	67	245.0	183.4	21.6	243.9	154.1	21.7	242.5	123.9	21.8	240.2	93.2	21.9	-	-	-
12000	62	237.2	195.5	21.5	225.7	184.4	21.5	223.7	156.3	21.6	222.5	125.7	21.7	220.1	94.6	21.8
12000	57	238.1	197.1	21.5	224.6	187.4	21.5	211.2	177.3	21.4	205.3	158.1	21.5	203.6	127.1	21.6
13500	72	268.2	160.6	21.8	267.3	127.6	21.9	265.1	93.9	22.1	-	-	-	-	-	-
13500	67	249.4	196.0	21.6	248.1	164.1	21.7	247.2	130.4	21.8	244.7	96.0	22.1	-	-	-
13500	62	246.0	202.7	21.6	232.0	192.5	21.5	228.6	166.2	21.6	227.0	132.3	21.7	224.4	97.4	21.9
13500	57	247.0	204.4	21.6	233.0	194.1	21.5	218.9	183.8	21.5	209.3	167.9	21.5	207.4	133.5	21.6

35 ton hot gas reheat capacity performance

Table 21: UH35 and UV35 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
35 (°F)																
8750	72	327.7	179.4	15.7	326.8	153.2	15.8	326.5	125.9	15.8	-	-	-	-	-	-
8750	67	306.7	209.3	15.5	305.9	185.3	15.5	305.8	157.4	15.6	305.7	129.9	15.6	-	-	-
8750	62	283.5	238.9	15.3	283.1	217.6	15.3	283.6	190.0	15.4	284.0	162.0	15.4	284.1	133.6	15.5
8750	57	276.4	257.2	15.2	263.6	247.1	15.2	262.1	222.0	15.2	262.1	193.5	15.2	260.6	164.9	15.3
10500	72	344.5	197.4	16.3	343.6	162.5	15.8	343.1	131.5	15.9	-	-	-	-	-	-
10500	67	321.2	236.0	15.6	321.1	204.2	15.7	320.2	169.0	15.7	320.1	135.7	15.7	-	-	-
10500	62	296.9	261.5	15.4	296.5	240.9	15.4	297.3	207.1	15.5	297.0	173.4	15.5	296.6	139.5	15.6
10500	57	291.5	272.2	15.3	285.4	265.0	15.3	281.0	246.1	15.3	273.7	212.0	15.3	273.2	177.3	15.4
12250	72	353.6	215.3	15.9	352.7	174.3	15.9	353.1	136.5	16.0	-	-	-	-	-	-
12250	67	327.4	260.6	15.7	333.2	219.2	15.7	329.9	179.8	15.7	329.6	141.0	15.8	-	-	-
12250	62	314.6	286.3	15.5	314.1	267.3	15.5	302.6	223.8	15.5	306.4	184.7	15.6	306.6	145.0	15.6
12250	57	314.2	291.9	15.5	299.7	279.5	15.4	296.9	267.8	15.3	283.7	229.2	15.4	282.0	189.0	15.4
14000	72	356.5	224.5	16.0	355.6	180.5	16.2	349.7	140.7	16.0	-	-	-	-	-	-
14000	67	336.0	269.3	15.7	341.9	234.7	15.8	337.2	189.8	15.8	336.6	145.2	15.8	-	-	-
14000	62	329.6	284.7	15.6	329.1	266.8	15.6	321.1	239.7	15.6	313.4	195.3	15.6	313.2	149.7	15.7
14000	57	325.7	298.1	15.5	310.6	291.4	15.5	309.5	279.6	15.4	295.9	245.3	15.4	289.3	199.8	15.5
15750	72	365.7	241.9	15.9	364.7	196.1	16.1	364.9	144.5	16.1	-	-	-	-	-	-
15750	67	344.3	285.0	15.7	350.3	252.6	15.8	343.3	199.9	15.8	343.6	149.9	15.9	-	-	-
15750	62	340.7	301.6	15.7	340.2	285.8	15.6	326.5	256.2	15.6	318.8	205.7	15.7	320.1	154.4	15.8
15750	57	342.2	304.4	15.7	326.3	301.3	15.6	319.9	288.8	15.5	306.0	262.4	15.5	293.8	210.2	15.5
45 (°F)																
8750	72	318.5	167.9	17.4	317.7	143.4	17.4	317.4	117.8	17.4	-	-	-	-	-	-
8750	67	297.6	195.9	17.1	297.4	173.4	17.2	297.3	147.3	17.2	297.1	121.6	17.2	-	-	-
8750	62	275.6	223.5	16.9	275.2	203.6	16.9	275.1	177.8	17.0	274.6	151.6	17.0	275.2	125.0	17.1
8750	57	268.7	240.7	16.8	256.2	231.2	16.7	254.8	207.8	16.8	254.8	181.1	16.8	253.2	154.3	16.9
10500	72	334.6	184.7	18.0	333.7	152.1	17.5	333.9	123.1	17.5	-	-	-	-	-	-
10500	67	312.1	220.9	17.2	311.9	191.1	17.3	311.8	158.2	17.3	311.7	127.0	17.3	-	-	-
10500	62	288.6	244.8	17.0	288.2	225.5	17.0	287.9	193.8	17.1	287.5	162.3	17.1	288.2	130.5	17.2
10500	57	283.4	254.7	16.9	276.2	248.0	16.9	273.2	230.3	16.9	270.1	198.4	16.9	265.6	166.0	17.0
12250	72	344.9	201.5	17.6	344.0	163.2	17.6	344.3	127.8	17.6	-	-	-	-	-	-
12250	67	320.9	243.9	17.3	320.8	205.1	17.4	320.7	168.2	17.4	320.4	131.9	17.4	-	-	-
12250	62	305.8	268.0	17.2	305.4	250.2	17.1	299.1	209.5	17.2	297.8	172.9	17.2	297.3	135.7	17.3
12250	57	305.5	273.2	17.1	291.3	261.6	17.0	288.6	250.7	16.9	275.7	214.5	17.0	274.1	176.8	17.0
14000	72	348.5	210.1	17.7	347.6	168.9	17.9	347.8	131.6	17.7	-	-	-	-	-	-
14000	67	328.5	252.0	17.3	328.1	219.7	17.4	327.8	177.6	17.4	327.2	135.9	17.5	-	-	-
14000	62	320.4	266.4	17.2	319.9	249.7	17.2	312.2	224.4	17.2	304.7	182.7	17.3	304.3	140.1	17.3
14000	57	316.6	278.9	17.1	301.9	272.7	17.1	300.9	261.6	17.0	287.7	229.6	17.0	281.2	187.0	17.1
15750	72	357.9	226.4	17.6	357.0	183.5	17.7	357.2	135.3	17.7	-	-	-	-	-	-
15750	67	334.6	266.8	17.4	334.5	236.4	17.4	334.0	187.1	17.5	334.0	140.2	17.6	-	-	-
15750	62	331.2	282.3	17.3	330.7	267.5	17.3	317.4	239.8	17.2	314.6	192.5	17.3	311.2	144.5	17.4
15750	57	332.6	284.9	17.3	317.2	282.0	17.2	310.9	270.3	17.1	297.4	245.6	17.1	285.6	196.7	17.2
55 (°F)																
8750	72	311.8	157.1	19.2	311.0	134.2	19.2	310.8	110.3	19.2	-	-	-	-	-	-
8750	67	289.9	183.3	18.9	289.7	162.3	19.0	289.6	137.8	19.0	289.5	113.8	19.0	-	-	-
8750	62	267.9	209.2	18.6	267.8	190.6	18.7	267.7	166.4	18.7	267.7	141.9	18.8	267.2	117.0	18.8
8750	57	261.2	225.3	18.6	249.1	216.4	18.5	247.7	194.4	18.5	247.7	169.5	18.6	246.3	144.4	18.6
10500	72	325.5	172.9	19.8	324.6	142.3	19.3	324.5	115.2	19.4	-	-	-	-	-	-
10500	67	302.4	206.7	19.0	302.3	178.8	19.1	302.2	148.0	19.1	302.1	118.8	19.1	-	-	-
10500	62	280.6	229.1	18.8	280.2	211.0	18.8	279.4	181.4	18.9	279.0	151.9	18.9	278.4	122.2	19.0
10500	57	275.5	238.4	18.7	270.2	232.1	18.7	265.5	215.5	18.6	260.5	185.7	18.7	258.2	155.3	18.7
12250	72	335.8	188.6	19.4	334.9	152.7	19.4	335.1	119.6	19.5	-	-	-	-	-	-
12250	67	313.2	228.3	19.1	312.8	191.9	19.2	312.5	157.4	19.2	312.1	123.5	19.3	-	-	-
12250	62	297.3	250.8	19.0	296.8	234.1	18.9	295.7	196.0	18.9	290.7	161.8	19.0	290.2	127.0	19.1
12250	57	296.9	255.7	18.9	283.2	244.8	18.8	280.5	234.6	18.7	276.1	200.7	18.7	269.6	165.5	18.8
14000	72	345.5	196.6	19.5	344.6	158.0	19.7	344.4	123.2	19.5	-	-	-	-	-	-
14000	67	318.9	235.9	19.1	318.7	205.6	19.3	318.6	166.2	19.2	318.1	127.2	19.3	-	-	-
14000	62	311.5	249.3	19.0	311.0	233.6	19.0	303.4	210.0	19.0	296.2	171.0	19.1	395.6	131.2	19.1

Table 21: UH35 and UV35 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
14000	57	307.7	261.1	18.9	293.4	255.2	18.9	292.5	244.8	18.8	279.6	214.9	18.8	273.4	175.0	18.9
15750	72	348.1	211.8	19.4	347.2	171.7	19.6	347.4	126.6	19.6	-	-	-	-	-	-
15750	67	325.3	249.6	19.2	325.1	221.3	19.2	324.7	175.1	19.3	324.7	131.2	19.4	-	-	-
15750	62	322.0	264.2	19.1	321.5	250.3	19.1	308.5	224.4	19.0	308.2	180.1	19.1	305.8	135.2	19.2
15750	57	323.4	266.6	19.1	308.4	263.9	19.0	302.3	252.9	18.9	289.1	229.8	18.8	277.7	184.1	19.0
65 (°F)																
8750	72	303.1	147.1	21.2	302.3	125.6	21.2	302.6	103.2	21.2	-	-	-	-	-	-
8750	67	282.6	171.6	20.9	281.6	151.9	20.9	281.4	129.0	20.9	281.4	106.5	21.0	-	-	-
8750	62	261.8	195.8	20.6	261.4	178.4	20.7	261.9	155.7	20.7	261.4	132.8	20.7	261.0	109.5	20.8
8750	57	253.9	210.8	20.5	242.1	202.5	20.4	240.8	182.0	20.4	240.7	158.6	20.5	239.4	135.1	20.5
10500	72	316.1	161.8	21.9	315.3	133.2	21.3	315.5	107.8	21.4	-	-	-	-	-	-
10500	67	295.2	193.5	20.9	295.1	167.4	21.1	294.1	138.5	21.1	293.6	111.2	21.1	-	-	-
10500	62	272.7	214.4	20.7	272.3	197.5	20.8	273.0	169.8	20.8	272.6	142.2	20.9	272.2	114.3	20.9
10500	57	267.8	223.1	20.6	255.4	217.2	20.6	258.1	201.7	20.5	257.5	173.8	20.6	252.7	145.4	20.7
12250	72	321.4	176.5	21.4	320.6	142.9	21.5	324.7	111.9	21.5	-	-	-	-	-	-
12250	67	306.8	213.6	21.1	306.1	179.6	21.2	303.0	147.3	21.2	302.7	115.6	21.3	-	-	-
12250	62	289.0	234.7	20.9	288.5	219.1	20.8	277.9	183.4	20.9	281.4	151.4	21.0	281.6	118.8	21.1
12250	57	288.6	239.3	20.9	275.3	229.1	20.8	272.7	219.5	20.6	260.6	187.9	20.7	259.0	154.9	20.8
14000	72	320.8	184.0	21.6	320.0	147.9	21.8	321.2	115.3	21.6	-	-	-	-	-	-
14000	67	312.5	220.7	21.1	312.1	192.4	21.3	309.7	155.6	21.2	309.2	119.0	21.3	-	-	-
14000	62	302.8	233.3	21.0	302.3	218.7	21.0	295.0	196.5	21.0	287.9	160.0	21.0	288.3	122.7	21.1
14000	57	299.1	244.3	20.9	285.3	238.8	20.9	284.3	229.1	20.8	271.8	201.1	20.8	265.7	163.8	20.9
15750	72	331.2	198.2	21.4	330.4	160.7	21.6	335.2	118.5	21.6	-	-	-	-	-	-
15750	67	316.2	233.6	21.2	315.8	207.1	21.2	315.7	163.8	21.3	315.6	122.8	21.4	-	-	-
15750	62	313.0	247.2	21.1	312.5	234.3	21.0	299.9	210.0	21.0	292.8	168.6	21.1	294.0	126.6	21.2
15750	57	314.3	249.5	21.1	299.7	247.0	21.0	293.8	236.7	20.9	281.1	215.1	20.8	269.9	172.3	20.9
75 (°F)																
8750	72	284.8	141.8	23.4	284.0	120.7	23.5	285.7	98.4	23.5	-	-	-	-	-	-
8750	67	268.9	166.4	23.0	267.4	146.7	23.1	267.3	124.0	23.1	266.5	101.3	23.2	-	-	-
8750	62	248.3	189.4	22.7	247.9	172.7	22.8	247.8	150.1	22.8	247.9	127.2	22.9	247.8	103.9	23.0
8750	57	243.5	202.2	22.6	232.3	193.9	22.5	230.6	175.7	22.5	228.4	152.6	22.6	227.0	129.2	22.7
10500	72	298.6	155.1	24.2	297.8	128.3	23.6	299.7	102.8	23.7	-	-	-	-	-	-
10500	67	282.2	185.4	23.1	281.0	161.9	23.3	279.6	133.1	23.3	278.8	105.9	23.4	-	-	-
10500	62	261.5	205.4	22.9	261.1	191.5	22.9	258.0	164.1	23.0	258.7	136.5	23.0	258.6	108.7	23.1
10500	57	256.7	213.8	22.8	244.8	207.8	22.7	247.1	195.1	22.7	238.8	167.6	22.7	237.7	139.3	22.8
12250	72	306.5	168.3	23.6	305.7	137.6	23.7	307.9	106.8	23.8	-	-	-	-	-	-
12250	67	293.2	203.7	23.3	291.9	174.0	23.4	287.6	141.9	23.4	287.5	110.0	23.5	-	-	-
12250	62	275.6	223.8	23.1	275.2	212.3	23.0	264.4	177.8	23.1	266.6	145.6	23.2	266.8	113.0	23.3
12250	57	275.3	228.2	23.1	262.5	219.1	22.9	260.8	209.6	22.8	248.8	181.5	22.8	245.1	148.5	22.9
14000	72	307.9	179.3	24.0	307.1	142.6	24.1	304.3	110.2	23.9	-	-	-	-	-	-
14000	67	296.2	215.1	23.4	295.5	186.7	23.5	293.9	150.1	23.5	293.4	113.7	23.6	-	-	-
14000	62	290.6	227.3	23.3	290.1	209.0	23.2	282.0	190.8	23.1	272.7	154.2	23.2	273.1	116.9	23.4
14000	57	287.1	238.0	23.2	273.8	228.3	23.1	271.8	218.5	22.9	259.4	194.7	22.9	251.2	157.4	23.0
15750	72	316.5	192.8	23.8	315.7	155.1	23.9	317.0	113.3	23.9	-	-	-	-	-	-
15750	67	301.2	230.6	23.4	299.5	201.3	23.4	298.4	158.3	23.6	298.1	117.2	23.7	-	-	-
15750	62	295.3	243.8	23.3	294.9	223.7	23.3	286.7	203.6	23.2	277.3	162.4	23.3	278.3	120.5	23.5
15750	57	296.5	245.9	23.3	282.7	235.8	23.2	280.8	225.8	23.0	268.2	207.7	22.9	255.7	165.8	23.1
85 (°F)																
8750	72	276.4	138.6	25.9	275.7	116.2	25.9	275.1	94.1	26.0	-	-	-	-	-	-
8750	67	255.2	164.2	25.5	255.1	142.0	25.6	254.9	119.6	25.6	254.7	97.0	25.7	-	-	-
8750	62	236.6	189.7	25.1	236.2	167.8	25.2	237.2	145.3	25.3	237.2	122.5	25.3	237.0	99.3	25.4
8750	57	234.7	194.7	25.0	223.8	186.7	24.9	222.1	170.6	24.9	218.1	147.5	25.0	216.7	124.2	25.0
10500	72	282.7	152.8	26.0	281.9	124.9	26.1	285.7	98.5	26.2	-	-	-	-	-	-
10500	67	268.8	184.7	25.6	267.0	155.5	25.7	265.8	128.7	25.8	265.4	101.5	25.9	-	-	-
10500	62	250.3	206.7	25.3	249.9	186.4	25.3	246.6	159.1	25.4	247.1	131.6	25.5	247.0	103.9	25.6
10500	57	251.2	208.4	25.3	239.6	200.0	25.2	237.9	189.0	25.0	228.3	162.3	25.1	226.6	134.1	25.2
12250	72	291.8	166.8	26.2	291.0	133.3	26.2	293.4	102.1	26.4	-	-	-	-	-	-
12250	67	276.2	203.4	25.7	275.6	168.7	25.8	273.3	137.2	25.9	273.1	105.6	26.1	-	-	-
12250	62	264.7	218.5	25.6	264.3	204.0	25.4	254.0	172.5	25.5	254.6	140.6	25.6	254.8	108.2	25.8
12250	57	265.8	220.4	25.6	253.5	210.5	25.4	250.6	201.3	25.2	239.1	176.0	25.2	233.6	143.1	25.3
14000	72	295.8	176.1	26.1	295.0	141.4	26.4	300.2	105.7	26.5	-	-	-	-	-	-

Table 21: UH35 and UV35 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
14000	67	281.2	215.7	25.7	279.5	181.0	25.9	278.4	145.3	26.0	278.1	109.1	26.2	-	-	-
14000	62	273.9	222.5	25.6	273.5	217.5	25.6	262.0	185.4	25.6	260.2	148.9	25.7	260.5	111.9	25.9
14000	57	274.8	224.4	25.6	262.1	219.3	25.5	261.2	209.8	25.4	249.2	189.1	25.3	239.3	151.8	25.4
15750	72	301.6	190.0	26.2	300.8	149.0	26.4	304.7	109.0	26.6	-	-	-	-	-	-
15750	67	287.1	225.4	25.9	286.4	193.4	26.0	283.1	153.3	26.1	282.1	112.5	26.3	-	-	-
15750	62	288.5	227.7	25.9	288.1	224.7	25.7	270.9	198.2	25.7	264.6	157.3	25.8	265.5	115.5	26.0
15750	57	289.7	229.7	25.9	276.2	226.6	25.7	269.9	216.7	25.5	257.5	202.0	25.4	243.9	160.2	25.5

40 ton hot gas reheat capacity performance

Table 22: UH40 and UV40 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
35 (°F)																
10000	72	391.3	197.2	15.5	388.7	166.2	15.5	386.2	135.1	15.6	-	-	-	-	-	-
10000	67	358.8	229.9	15.5	356.5	199.0	15.5	354.0	167.8	15.5	351.3	136.4	15.6	-	-	-
10000	62	326.1	263.0	15.4	325.3	230.9	15.5	323.1	199.9	15.5	320.8	168.5	15.5	318.4	136.8	15.5
10000	57	318.5	271.3	15.4	300.7	258.0	15.4	295.1	231.9	15.4	293.3	200.4	15.4	290.8	168.7	15.4
12000	72	407.1	214.7	15.5	404.6	178.0	15.6	402.2	141.0	15.6	-	-	-	-	-	-
12000	67	374.1	253.8	15.5	371.9	217.2	15.5	369.2	179.9	15.6	366.7	142.7	15.6	-	-	-
12000	62	343.1	290.9	15.4	340.8	255.2	15.5	338.2	218.5	15.5	335.5	181.0	15.5	333.0	143.5	15.6
12000	57	342.5	291.6	15.4	322.5	276.9	15.4	307.9	256.9	15.4	306.1	218.7	15.5	304.2	181.5	15.5
14000	72	419.1	231.3	15.5	416.7	188.8	15.6	413.9	146.2	15.6	-	-	-	-	-	-
14000	67	386.0	275.5	15.5	383.2	233.6	15.5	380.7	191.0	15.6	378.0	147.9	15.6	-	-	-
14000	62	362.5	307.5	15.4	349.8	279.9	15.5	348.8	235.8	15.5	346.6	192.5	15.6	343.7	149.2	15.6
14000	57	361.7	308.4	15.4	341.0	292.7	15.4	319.9	276.9	15.4	317.1	236.2	15.5	314.3	193.0	15.5
16000	72	428.2	247.0	15.5	425.8	199.2	15.6	422.6	150.7	15.6	-	-	-	-	-	-
16000	67	393.4	298.3	15.5	391.7	250.1	15.6	389.5	201.5	15.6	386.6	152.8	15.6	-	-	-
16000	62	378.5	321.2	15.5	359.0	302.1	15.5	357.8	251.8	15.6	354.9	203.1	15.6	352.2	154.1	15.6
16000	57	378.0	321.9	15.4	356.0	305.4	15.5	334.4	289.0	15.5	324.5	253.7	15.5	322.6	204.0	15.5
18000	72	434.8	262.5	15.5	433.0	209.0	15.6	430.1	155.2	15.6	-	-	-	-	-	-
18000	67	400.2	320.3	15.5	399.3	265.3	15.6	396.7	211.4	15.6	393.6	157.4	15.6	-	-	-
18000	62	392.4	332.7	15.5	369.5	315.7	15.5	364.9	267.2	15.6	362.0	213.3	15.6	358.9	158.7	15.6
18000	57	391.7	333.5	15.5	368.9	316.5	15.5	346.4	299.4	15.5	330.7	270.9	15.5	329.1	214.1	15.6
45 (°F)																
10000	72	370.2	189.6	17.3	367.6	159.9	17.3	365.3	129.9	17.4	-	-	-	-	-	-
10000	67	339.4	221.1	17.3	337.2	191.4	17.3	334.8	161.4	17.3	332.3	131.1	17.4	-	-	-
10000	62	308.4	252.9	17.2	307.7	222.0	17.2	305.6	192.2	17.3	303.5	162.1	17.3	301.1	131.6	17.3
10000	57	301.2	260.9	17.2	284.5	248.1	17.1	279.1	223.0	17.2	277.4	192.7	17.2	275.1	162.2	17.2
12000	72	385.1	206.5	17.3	382.7	171.2	17.3	380.4	135.6	17.4	-	-	-	-	-	-
12000	67	353.9	244.1	17.3	351.8	208.9	17.3	349.3	173.0	17.4	346.8	137.2	17.4	-	-	-
12000	62	324.5	279.7	17.2	322.4	245.4	17.3	319.9	210.1	17.3	317.4	174.1	17.3	314.9	138.0	17.4
12000	57	323.9	280.4	17.2	305.1	266.3	17.2	291.2	247.0	17.2	289.6	210.3	17.3	287.7	174.5	17.3
14000	72	396.4	222.4	17.3	394.1	181.6	17.4	391.5	140.6	17.4	-	-	-	-	-	-
14000	67	365.1	264.9	17.3	362.4	224.6	17.3	360.1	183.7	17.4	357.6	142.3	17.4	-	-	-
14000	62	342.9	295.7	17.2	330.9	269.2	17.3	329.9	226.7	17.3	327.9	185.1	17.4	325.1	143.4	17.4
14000	57	342.1	296.6	17.2	322.5	281.5	17.2	302.6	266.2	17.2	300.0	227.2	17.3	297.3	185.6	17.3
16000	72	405.1	237.6	17.3	402.8	191.6	17.4	399.7	144.9	17.4	-	-	-	-	-	-
16000	67	372.1	286.9	17.3	370.5	240.5	17.4	368.5	193.8	17.4	365.6	146.9	17.4	-	-	-
16000	62	358.0	308.9	17.2	339.5	290.5	17.3	338.4	242.1	17.3	335.7	195.3	17.4	333.1	148.2	17.4
16000	57	357.5	309.5	17.2	336.8	293.7	17.3	316.3	277.9	17.3	306.9	244.0	17.3	305.2	196.1	17.3
18000	72	411.3	252.4	17.3	409.6	201.0	17.4	406.8	149.2	17.4	-	-	-	-	-	-
18000	67	378.6	308.0	17.3	377.7	255.1	17.4	375.3	203.3	17.4	372.3	151.3	17.5	-	-	-
18000	62	371.2	319.9	17.3	349.5	303.6	17.3	345.1	256.9	17.4	342.4	205.1	17.4	339.5	152.6	17.4
18000	57	370.5	320.7	17.2	349.0	304.4	17.3	327.6	288.0	17.3	312.8	260.5	17.3	311.3	205.9	17.4
55 (°F)																
10000	72	350.1	182.3	19.3	347.7	153.7	19.3	345.6	124.9	19.4	-	-	-	-	-	-
10000	67	321.0	212.6	19.3	319.0	184.0	19.3	316.7	155.2	19.3	314.3	126.1	19.4	-	-	-
10000	62	291.7	243.2	19.2	291.0	213.5	19.2	289.1	184.9	19.3	287.1	155.8	19.3	284.8	126.5	19.3
10000	57	284.9	250.9	19.1	269.1	238.6	19.1	264.0	214.4	19.2	262.4	185.3	19.2	260.2	156.0	19.2
12000	72	364.2	198.5	19.3	362.0	164.6	19.3	359.8	130.4	19.4	-	-	-	-	-	-
12000	67	334.7	234.7	19.3	332.8	200.9	19.3	330.4	166.4	19.4	328.1	132.0	19.4	-	-	-
12000	62	307.0	269.0	19.2	305.0	236.0	19.3	302.6	202.1	19.3	300.2	167.4	19.3	297.9	132.7	19.4
12000	57	306.4	269.7	19.2	288.6	256.1	19.2	275.5	237.5	19.2	273.9	202.3	19.2	272.2	167.8	19.3
14000	72	375.0	213.9	19.3	372.8	174.6	19.4	370.3	135.2	19.4	-	-	-	-	-	-
14000	67	345.4	254.7	19.3	342.8	216.0	19.3	340.6	176.7	19.4	338.2	136.8	19.4	-	-	-
14000	62	324.3	284.4	19.2	313.0	258.9	19.3	312.0	218.0	19.3	310.1	178.0	19.4	307.5	137.9	19.4
14000	57	323.6	285.2	19.2	305.0	270.7	19.2	286.2	256.0	19.2	283.7	218.4	19.3	281.2	178.4	19.3
16000	72	383.1	228.4	19.3	381.0	184.2	19.4	378.1	139.3	19.4	-	-	-	-	-	-
16000	67	351.9	275.9	19.3	350.5	231.2	19.4	348.5	186.4	19.4	345.8	141.3	19.5	-	-	-
16000	62	338.7	297.0	19.2	321.2	279.4	19.3	320.1	232.8	19.3	317.6	187.8	19.4	315.1	142.5	19.4

Table 22: UH40 and UV40 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
16000	57	338.2	297.6	19.2	318.5	282.5	19.2	299.2	267.3	19.3	290.3	234.6	19.3	288.7	188.6	19.3
18000	72	389.0	242.7	19.3	387.4	193.3	19.4	384.8	143.5	19.4	-	-	-	-	-	-
18000	67	358.1	296.2	19.3	357.3	245.3	19.4	354.9	195.5	19.4	352.2	145.5	19.5	-	-	-
18000	62	351.1	307.6	19.2	330.6	292.0	19.3	326.4	247.1	19.4	323.8	197.2	19.4	321.1	146.8	19.5
18000	57	350.5	308.4	19.2	330.1	292.7	19.3	309.9	276.9	19.3	295.8	250.5	19.3	294.5	198.0	19.4
65 (°F)																
10000	72	331.2	175.3	21.5	328.9	147.8	21.6	326.9	120.1	21.6	-	-	-	-	-	-
10000	67	303.7	204.5	21.5	301.7	177.0	21.5	299.6	149.3	21.6	297.3	121.3	21.6	-	-	-
10000	62	276.0	233.9	21.4	275.3	205.3	21.5	273.4	177.8	21.5	271.5	149.9	21.5	269.4	121.7	21.5
10000	57	269.5	241.2	21.3	254.5	229.5	21.3	249.7	206.2	21.4	248.2	178.2	21.4	246.1	150.0	21.4
12000	72	344.5	190.9	21.5	342.4	158.3	21.6	340.3	125.4	21.6	-	-	-	-	-	-
12000	67	316.6	225.7	21.5	314.7	193.2	21.5	312.5	160.0	21.6	310.3	126.9	21.6	-	-	-
12000	62	290.4	258.7	21.4	288.4	227.0	21.5	286.2	194.3	21.5	283.9	161.0	21.6	281.8	127.6	21.6
12000	57	289.8	259.3	21.4	272.9	246.3	21.4	260.6	228.4	21.4	259.1	194.5	21.5	257.4	161.4	21.5
14000	72	354.7	205.6	21.6	352.6	167.9	21.6	350.3	130.0	21.7	-	-	-	-	-	-
14000	67	326.7	245.0	21.5	324.2	207.7	21.6	322.2	169.9	21.6	319.9	131.6	21.7	-	-	-
14000	62	306.8	273.5	21.4	296.0	248.9	21.5	295.2	209.7	21.6	293.3	171.1	21.6	290.9	132.6	21.6
14000	57	306.1	274.3	21.4	288.5	260.3	21.4	270.8	246.2	21.4	268.4	210.1	21.5	266.0	171.6	21.5
16000	72	362.4	219.7	21.6	360.3	177.2	21.6	357.6	134.0	21.7	-	-	-	-	-	-
16000	67	332.9	265.3	21.5	331.5	222.4	21.6	329.7	179.2	21.6	327.1	135.9	21.7	-	-	-
16000	62	320.3	285.6	21.5	303.8	268.7	21.5	302.8	223.9	21.6	300.4	180.6	21.6	298.0	137.1	21.7
16000	57	319.9	286.2	21.4	301.3	271.6	21.5	283.0	257.0	21.5	274.6	225.6	21.5	273.0	181.4	21.6
18000	72	368.0	233.4	21.6	366.5	185.9	21.6	363.9	138.0	21.7	-	-	-	-	-	-
18000	67	338.7	284.8	21.5	337.9	235.9	21.6	335.7	188.0	21.6	333.1	139.9	21.7	-	-	-
18000	62	332.1	295.8	21.5	312.7	280.8	21.5	308.8	237.6	21.6	306.3	189.7	21.6	303.7	141.1	21.7
18000	57	331.5	296.6	21.4	312.2	281.5	21.5	293.1	266.3	21.5	279.8	240.9	21.5	278.5	190.4	21.6
75 (°F)																
10000	72	312.9	168.3	23.9	310.8	141.0	24.0	308.7	113.6	24.0	-	-	-	-	-	-
10000	67	286.6	196.9	23.8	284.7	169.7	23.9	282.6	142.2	23.9	280.4	114.5	24.0	-	-	-
10000	62	261.5	224.3	23.7	259.7	197.6	23.8	257.9	170.2	23.8	255.9	142.6	23.8	253.9	114.8	23.9
10000	57	256.8	229.8	23.7	242.2	218.4	23.6	235.4	197.9	23.6	233.8	170.5	23.7	231.9	142.7	23.7
12000	72	325.1	183.6	24.0	323.1	151.3	24.0	320.8	118.6	24.1	-	-	-	-	-	-
12000	67	298.6	217.7	23.9	296.7	185.4	23.9	294.4	152.6	24.0	292.2	119.9	24.0	-	-	-
12000	62	276.2	246.1	23.8	271.3	218.8	23.8	269.4	186.3	23.9	267.2	153.4	23.9	265.0	120.4	23.9
12000	57	275.7	246.8	23.7	259.5	234.0	23.7	246.2	218.5	23.7	243.9	186.5	23.7	242.1	153.7	23.8
14000	72	334.4	198.1	24.0	332.4	160.7	24.1	330.0	123.1	24.1	-	-	-	-	-	-
14000	67	307.3	237.1	23.9	305.3	199.9	24.0	303.4	162.4	24.0	300.9	124.4	24.1	-	-	-
14000	62	291.7	259.9	23.8	279.6	238.6	23.8	277.8	201.3	23.9	275.8	163.3	23.9	273.4	125.2	24.0
14000	57	291.2	260.6	23.8	274.0	247.0	23.8	256.9	233.4	23.8	252.0	201.7	23.8	250.0	163.6	23.8
16000	72	341.4	211.9	24.0	339.3	169.6	24.1	336.7	127.0	24.2	-	-	-	-	-	-
16000	67	313.9	256.2	23.9	312.2	214.1	24.0	310.1	171.5	24.1	307.6	128.5	24.1	-	-	-
16000	62	304.6	271.3	23.9	288.2	254.7	23.9	284.5	215.4	23.9	282.3	172.6	24.0	279.9	129.5	24.0
16000	57	304.0	272.0	23.8	285.9	257.7	23.8	268.1	243.3	23.8	258.1	216.3	23.8	256.4	173.2	23.9
18000	72	346.8	225.3	24.0	344.9	178.1	24.1	342.4	130.7	24.2	-	-	-	-	-	-
18000	67	319.8	273.5	23.9	317.8	227.5	24.0	315.8	180.2	24.1	313.0	132.4	24.2	-	-	-
18000	62	315.4	280.9	23.9	296.7	266.0	23.9	289.8	229.2	23.9	287.7	181.5	24.0	285.1	133.4	24.1
18000	57	314.9	281.7	23.9	296.3	266.7	23.9	277.6	251.9	23.9	263.3	229.9	23.9	261.2	182.0	23.9
85 (°F)																
10000	72	297.6	162.1	26.8	295.4	135.2	26.8	293.3	107.9	26.9	-	-	-	-	-	-
10000	67	272.2	190.1	26.6	270.4	163.2	26.6	268.3	136.1	26.7	266.2	108.7	26.7	-	-	-
10000	62	249.0	216.6	26.3	246.7	190.7	26.4	244.9	163.7	26.4	242.9	136.4	26.5	240.7	108.9	26.5
10000	57	246.0	220.1	26.3	231.5	208.6	26.2	222.8	190.9	26.2	221.3	163.6	26.2	219.4	136.1	26.3
12000	72	308.9	177.2	26.8	306.7	145.1	26.9	304.6	112.8	26.9	-	-	-	-	-	-
12000	67	283.4	210.6	26.7	281.3	178.6	26.7	279.2	146.3	26.8	276.9	113.8	26.8	-	-	-
12000	62	264.4	235.4	26.5	257.1	211.4	26.5	255.4	179.4	26.5	253.3	146.9	26.6	251.1	114.3	26.6
12000	57	263.9	235.9	26.4	248.1	223.5	26.4	233.8	209.6	26.3	230.9	179.3	26.3	228.9	146.8	26.4
14000	72	317.5	191.5	26.9	315.4	154.4	27.0	313.0	117.2	27.0	-	-	-	-	-	-
14000	67	291.3	229.6	26.7	289.3	192.9	26.8	287.3	155.7	26.8	285.0	118.2	26.9	-	-	-
14000	62	278.9	248.3	26.6	265.3	230.4	26.5	263.2	194.1	26.6	261.1	156.6	26.6	258.7	118.9	26.7
14000	57	278.3	249.0	26.6	261.7	235.7	26.5	245.1	222.5	26.4	238.4	194.2	26.4	236.3	156.6	26.4
16000	72	323.8	205.0	26.9	321.8	163.2	27.0	319.2	120.9	27.1	-	-	-	-	-	-

Table 22: UH40 and UV40 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
16000	67	297.5	248.2	26.7	295.7	206.8	26.8	293.7	164.7	26.9	291.1	122.3	26.9	-	-	-
16000	62	290.9	259.1	26.7	273.5	245.3	26.6	269.4	208.0	26.6	267.1	165.6	26.7	264.6	122.9	26.8
16000	57	290.5	259.6	26.6	273.0	245.7	26.6	255.7	231.9	26.5	243.9	208.6	26.4	242.4	166.0	26.5
18000	72	328.8	218.2	27.0	327.0	171.6	27.0	324.4	124.7	27.1	-	-	-	-	-	-
18000	67	304.0	263.7	26.7	300.9	220.0	26.8	298.9	173.2	26.9	296.2	126.0	27.0	-	-	-
18000	62	301.3	268.0	26.7	282.9	253.6	26.7	274.0	221.2	26.7	272.0	174.2	26.7	269.4	126.7	26.8
18000	57	300.9	268.7	26.7	282.5	254.3	26.6	264.6	239.8	26.6	249.2	221.3	26.5	247.0	174.7	26.6

50 ton hot gas reheat capacity performance

Table 23: UH50 and UV50 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
35 (°F)																
12500	72	450.3	246.2	22.2	449.9	210.5	22.2	449.8	174.1	22.3	---	---	---	---	---	---
12500	67	417.5	292.9	22.1	417.1	256.8	22.2	416.6	219.2	22.2	416.0	181.6	22.3	---	---	---
12500	62	384.7	350.8	22.0	384.6	308.3	22.0	384.1	264.7	22.1	383.4	226.9	22.1	382.2	187.8	22.2
12500	57	380.5	354.5	22.0	360.8	343.1	21.9	351.2	324.2	21.9	351.0	272.4	22.0	350.2	234.3	22.0
15000	72	467.0	267.7	22.2	466.6	224.5	22.2	466.5	180.8	22.3	---	---	---	---	---	---
15000	67	434.3	326.9	22.1	434.0	280.8	22.2	433.6	234.8	22.3	433.0	189.0	22.4	---	---	---
15000	62	407.1	376.1	22.1	401.5	349.0	22.1	400.9	291.2	22.2	400.2	243.8	22.2	399.2	196.2	22.3
15000	57	408.6	380.1	22.0	387.8	367.8	22.0	368.4	354.5	22.0	367.8	304.0	22.1	367.4	252.2	22.1
17500	72	480.1	290.9	22.2	480.0	239.8	22.3	479.9	187.6	22.4	---	---	---	---	---	---
17500	67	446.4	364.3	22.2	446.3	303.2	22.2	446.2	249.4	22.3	445.6	196.3	22.4	---	---	---
17500	62	429.4	396.4	22.1	413.5	380.0	22.1	413.2	316.8	22.2	412.3	259.3	22.3	411.3	203.5	22.3
17500	57	431.1	400.3	22.1	409.2	387.2	22.1	386.7	373.4	22.1	380.1	334.0	22.1	379.2	269.7	22.2
20000	72	489.7	313.2	22.2	489.7	254.3	22.3	489.6	194.4	22.4	---	---	---	---	---	---
20000	67	456.4	393.8	22.2	455.3	326.1	22.2	455.8	264.5	22.3	455.2	203.2	22.4	---	---	---
20000	62	448.2	412.5	22.1	425.2	399.3	22.1	423.2	344.6	22.2	422.3	275.3	22.3	421.3	210.9	22.4
20000	57	449.9	416.7	22.1	426.8	403.4	22.1	403.7	389.3	22.1	389.6	359.0	22.1	388.6	283.8	22.3
45 (°F)																
12500	72	429.2	244.5	24.7	428.8	207.4	24.7	428.7	170.2	24.8	---	---	---	---	---	---
12500	67	397.9	289.4	24.7	397.6	251.9	24.7	397.1	213.5	24.8	396.5	175.5	24.8	---	---	---
12500	62	366.7	347.0	24.5	366.6	298.8	24.6	366.1	257.9	24.6	365.4	218.6	24.7	364.2	179.5	24.7
12500	57	362.7	349.7	24.5	343.8	335.1	24.4	334.7	314.0	24.4	334.5	262.0	24.5	333.7	222.7	24.5
15000	72	445.1	266.3	24.7	444.8	221.6	24.8	444.6	177.1	24.9	---	---	---	---	---	---
15000	67	413.9	321.8	24.7	413.6	275.0	24.7	413.2	228.6	24.8	412.7	182.5	24.9	---	---	---
15000	62	388.0	372.2	24.6	382.7	341.9	24.6	382.1	282.3	24.7	381.4	234.7	24.7	380.5	187.1	24.8
15000	57	389.4	375.1	24.5	369.6	359.5	24.5	351.1	343.2	24.5	350.5	285.1	24.6	350.2	239.7	24.6
17500	72	457.6	288.9	24.7	457.5	236.5	24.8	457.4	183.5	24.9	---	---	---	---	---	---
17500	67	425.5	361.9	24.7	425.4	297.1	24.8	425.3	243.3	24.8	424.7	189.4	24.9	---	---	---
17500	62	409.3	392.5	24.6	394.1	372.6	24.6	393.9	305.6	24.7	393.0	249.4	24.8	392.0	194.5	24.9
17500	57	410.9	395.3	24.6	390.0	378.8	24.6	368.6	362.0	24.6	362.3	316.8	24.6	361.4	255.1	24.8
20000	72	466.7	297.7	24.7	466.8	242.7	24.8	466.7	185.5	24.9	---	---	---	---	---	---
20000	67	435.0	375.9	24.7	434.0	308.5	24.8	434.4	252.1	24.9	433.9	193.5	25.0	---	---	---
20000	62	427.2	393.7	24.6	405.3	380.6	24.7	403.3	323.1	24.8	402.5	261.8	24.9	401.5	200.8	25.0
20000	57	428.8	397.9	24.6	406.8	384.8	24.6	384.8	370.7	24.6	371.4	341.8	24.7	370.4	270.5	24.8
55 (°F)																
12500	72	409.0	232.9	27.5	408.7	197.9	27.6	408.6	162.4	27.6	---	---	---	---	---	---
12500	67	379.3	276.7	27.5	378.9	240.1	27.5	378.5	203.5	27.6	377.9	167.2	27.6	---	---	---
12500	62	349.5	330.4	27.3	349.4	283.1	27.3	348.9	245.9	27.4	348.3	208.4	27.5	347.2	171.1	27.5
12500	57	345.7	333.1	27.2	327.7	319.1	27.2	319.1	297.7	27.2	318.8	249.3	27.3	318.1	212.0	27.3
15000	72	424.2	254.4	27.5	423.9	212.0	27.6	422.9	169.1	27.7	---	---	---	---	---	---
15000	67	394.5	305.8	27.5	394.2	261.5	27.6	393.9	218.3	27.6	393.3	174.2	27.7	---	---	---
15000	62	369.9	354.7	27.3	364.8	320.0	27.4	364.2	269.1	27.5	363.5	223.2	27.6	362.7	178.3	27.6
15000	57	371.2	357.6	27.3	352.3	342.7	27.3	334.6	327.0	27.3	334.1	274.2	27.4	333.8	227.9	27.4
17500	72	436.2	275.6	27.5	436.0	226.1	27.6	435.9	175.2	27.7	---	---	---	---	---	---
17500	67	405.5	339.6	27.5	405.5	283.4	27.6	405.3	232.4	27.7	404.8	181.0	27.8	---	---	---
17500	62	390.1	373.8	27.4	375.6	354.9	27.4	375.4	289.9	27.5	374.6	237.8	27.6	373.6	185.7	27.7
17500	57	391.7	376.7	27.4	371.7	360.9	27.4	351.3	344.6	27.4	345.3	300.0	27.4	344.5	242.3	27.6
20000	72	444.9	296.5	27.5	444.9	239.1	27.6	444.9	181.2	27.8	---	---	---	---	---	---
20000	67	414.7	372.9	27.5	413.6	304.4	27.6	414.0	246.1	27.7	413.5	186.9	27.8	---	---	---
20000	62	407.2	390.0	27.4	386.3	373.8	27.5	384.4	311.8	27.6	383.6	251.3	27.7	382.7	191.9	27.8
20000	57	408.7	392.8	27.4	387.8	371.7	27.4	366.8	359.7	27.4	354.0	329.2	27.5	353.0	256.8	27.6
65 (°F)																
12500	72	389.9	222.6	30.6	389.5	188.9	30.7	389.4	154.9	30.8	---	---	---	---	---	---
12500	67	361.5	263.8	30.6	361.2	229.1	30.6	360.7	194.0	30.7	360.2	159.4	30.8	---	---	---
12500	62	333.1	314.7	30.4	333.0	269.5	30.4	332.6	234.3	30.5	332.0	198.5	30.6	330.9	163.1	30.7
12500	57	329.5	317.2	30.3	312.4	303.8	30.3	304.1	278.9	30.3	303.9	238.0	30.4	303.2	201.8	30.4
15000	72	404.3	243.0	30.6	404.0	202.3	30.7	403.8	161.5	30.8	---	---	---	---	---	---
15000	67	376.0	290.1	30.6	375.8	249.6	30.7	375.4	208.4	30.8	374.9	166.2	30.9	---	---	---

Table 23: UH50 and UV50 Hot gas reheat capacity performance

Air on evaporator coil		Temperature of air on condenser coil														
		Return dry bulb temp (°F)														
CFM	WB (°F)	85			80			75			70			65		
		TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI	TC	SC	TI
15000	62	352.5	337.8	30.4	347.7	303.4	30.5	347.1	256.0	30.6	346.5	212.9	30.7	345.7	169.9	30.8
15000	57	353.8	341.0	30.4	335.8	326.5	30.4	318.9	311.2	30.4	318.4	261.0	30.5	318.1	217.2	30.5
17500	72	415.7	263.0	30.7	415.6	215.7	30.7	415.5	167.2	30.9	---	---	---	---	---	---
17500	67	386.5	319.2	30.6	386.4	270.7	30.7	386.3	221.8	30.8	385.8	172.5	30.9	---	---	---
17500	62	371.8	356.8	30.5	358.0	338.2	30.6	357.8	276.4	30.7	357.0	226.8	30.8	356.1	176.6	30.9
17500	57	373.3	359.3	30.5	354.3	343.9	30.5	334.8	328.3	30.5	329.1	284.4	30.5	328.3	230.8	30.7
20000	72	424.0	282.7	30.7	424.0	228.3	30.8	424.0	172.9	30.9	---	---	---	---	---	---
20000	67	395.2	353.1	30.6	394.2	290.3	30.7	394.6	234.3	30.9	394.1	178.3	31.0	---	---	---
20000	62	388.1	371.7	30.5	368.2	356.0	30.6	366.4	296.9	30.7	365.7	240.4	30.8	364.8	182.8	30.9
20000	57	389.5	374.7	30.5	369.6	359.1	30.6	349.6	342.6	30.6	337.4	308.2	30.6	336.5	244.6	30.7
75 (°F)																
12500	72	371.6	211.1	34.1	371.3	177.8	34.2	371.2	144.2	34.3	---	---	---	---	---	---
12500	67	344.6	249.8	34.0	344.2	216.4	34.1	343.8	182.4	34.2	343.3	148.0	34.3	---	---	---
12500	62	317.5	289.2	33.8	317.4	255.8	33.9	317.0	221.0	34.0	316.4	186.1	34.1	315.4	150.7	34.1
12500	57	314.1	296.2	33.8	297.7	283.0	33.7	289.8	259.1	33.7	289.6	223.7	33.8	289.0	188.3	33.9
15000	72	385.4	230.9	34.1	385.1	190.8	34.2	385.0	150.2	34.3	---	---	---	---	---	---
15000	67	358.4	277.0	34.1	358.1	236.8	34.2	357.8	196.0	34.3	357.3	154.6	34.4	---	---	---
15000	62	336.0	315.2	33.9	331.4	283.2	34.0	330.9	241.8	34.1	330.2	200.1	34.2	329.5	157.9	34.3
15000	57	337.2	318.0	33.9	320.1	304.0	33.9	304.0	286.8	33.8	303.5	246.0	33.9	303.2	203.1	34.0
17500	72	396.2	250.1	34.2	396.1	203.3	34.2	396.1	155.9	34.4	---	---	---	---	---	---
17500	67	368.4	303.1	34.1	368.3	256.6	34.2	368.2	208.9	34.3	367.7	160.4	34.4	---	---	---
17500	62	354.4	332.3	34.0	341.2	309.9	34.0	341.0	262.1	34.1	340.3	213.5	34.2	339.4	164.1	34.4
17500	57	355.8	335.1	33.9	337.7	320.5	34.0	319.1	305.3	33.9	313.7	266.2	34.0	312.9	216.7	34.2
20000	72	404.1	268.5	34.1	404.2	215.2	34.3	404.1	161.0	34.4	---	---	---	---	---	---
20000	67	376.7	328.0	34.1	375.8	275.3	34.2	376.1	221.1	34.4	375.7	165.8	34.5	---	---	---
20000	62	369.9	346.7	34.0	350.9	331.3	34.0	349.2	281.5	34.2	348.5	226.3	34.3	347.7	169.8	34.5
20000	57	371.3	349.6	34.0	352.3	334.2	34.0	333.2	318.4	34.0	321.5	286.7	34.0	320.7	230.1	34.2
85 (°F)																
12500	72	382.6	205.1	38.1	382.5	172.0	38.1	382.4	138.2	38.1	---	---	---	---	---	---
12500	67	382.2	243.6	37.8	382.2	210.0	37.8	382.0	176.1	37.8	381.9	141.6	37.8	---	---	---
12500	62	381.9	281.9	37.6	381.4	249.1	37.6	381.3	214.5	37.6	381.2	179.9	37.6	381.1	144.6	37.6
12500	57	385.2	286.0	37.6	385.2	273.2	37.5	382.5	252.0	37.4	382.0	217.4	37.4	381.9	181.9	37.4
15000	72	382.1	224.6	38.2	382.4	184.9	38.2	382.1	144.2	38.2	---	---	---	---	---	---
15000	67	381.9	270.4	37.9	381.6	230.2	37.9	381.5	189.5	37.9	381.4	148.1	37.9	---	---	---
15000	62	384.7	304.1	37.8	381.5	276.8	37.7	381.2	234.8	37.7	381.0	193.3	37.7	381.0	151.1	37.7
15000	57	384.8	306.6	37.8	384.1	292.6	37.7	382.1	278.8	37.5	381.2	239.4	37.5	381.0	196.4	37.5
17500	72	381.6	243.7	38.2	381.8	197.1	38.3	381.7	149.9	38.3	---	---	---	---	---	---
17500	67	381.5	296.3	38.0	381.5	249.8	38.0	381.3	202.3	38.0	381.2	153.9	38.0	---	---	---
17500	62	384.6	320.5	37.9	381.4	301.9	37.8	380.8	254.9	37.7	380.7	206.4	37.8	380.6	157.1	37.8
17500	57	384.5	323.2	37.9	384.0	308.5	37.8	383.6	293.6	37.6	380.7	259.5	37.5	380.6	209.5	37.5
20000	72	381.4	262.1	38.3	381.5	208.8	38.3	381.4	154.9	38.3	---	---	---	---	---	---
20000	67	381.2	321.6	38.0	381.1	268.5	38.1	380.9	214.3	38.0	380.6	159.0	38.0	---	---	---
20000	62	384.4	333.8	38.0	384.0	318.6	37.9	380.5	274.4	37.8	380.5	219.0	37.8	380.4	162.7	37.8
20000	57	384.5	336.6	38.0	383.8	321.4	37.9	383.2	305.5	37.7	380.3	279.3	37.6	380.4	222.6	37.6

Airflow performance

Table 24: UV28 bottom duct application

Air flow (CFM)	Available external static pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 7.5HP and field drive						Standard 7.5HP and drive								Medium 10HP and drive								High 15HP and drive			
8000	573	2.29	599	2.53	649	2.98	696	3.39	742	3.78	786	4.16	828	4.55	869	4.95	910	5.36	949	5.79	988	6.25	1026	6.75	1045	7.00
9000	606	2.92	631	3.15	678	3.59	724	4.01	768	4.41	810	4.82	851	5.24	892	5.67	931	6.13	970	6.60	1007	7.12	1045	7.66	1063	7.95
10000	642	3.62	665	3.85	711	4.29	754	4.72	796	5.15	837	5.58	877	6.04	916	6.51	955	7.00	992	7.53	1029	8.09	1066	8.69	1084	9.01
11000	680	4.41	702	4.64	745	5.09	787	5.54	827	6.00	867	6.47	906	6.96	943	7.47	981	8.01	1017	8.59	1054	9.21	1089	9.87	1107	10.21
12000	721	5.31	741	5.55	782	6.02	822	6.50	861	6.99	899	7.49	936	8.02	973	8.58	1009	9.18	1045	9.81	1080	10.49	1115	11.21	1132	11.58
13000	763	6.36	783	6.60	822	7.10	860	7.61	897	8.14	933	8.69	969	9.26	1005	9.88	1040	10.52	1075	11.22	1109	11.95	1143	12.74	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 25: UV30 bottom duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 7.5HP and field drive						Standard 7.5HP and drive								Medium 10HP and drive								High 15HP and drive			
8000	540	1.98	567	2.24	618	2.71	667	3.13	713	3.53	757	3.91	800	4.29	842	4.68	882	5.076	922	5.49	961	5.93	999	6.39	1018	6.64
9000	565	2.52	591	2.77	640	3.24	687	3.67	732	4.08	775	4.49	817	4.89	858	5.31	898	5.742	937	6.20	975	6.68	1012	7.19	1031	7.45
10000	594	3.14	619	3.39	666	3.85	711	4.29	754	4.72	796	5.15	837	5.59	877	6.03	916	6.50	954	7.00	992	7.52	1029	8.08	1047	8.38
11000	626	3.85	650	4.09	695	4.56	738	5.02	780	5.47	821	5.92	860	6.39	899	6.87	937	7.383	975	7.92	1011	8.49	1048	9.10	1066	9.42
12000	662	4.65	684	4.9	727	5.38	768	5.86	809	6.34	848	6.82	887	7.32	924	7.85	961	8.40	998	8.99	1034	9.61	1069	10.27	1087	10.62
13000	700	5.59	721	5.84	762	6.34	802	6.84	841	7.35	879	7.87	916	8.42	952	8.99	988	9.585	1024	10.22	1059	10.89	1094	11.61	1111	11.99
14000	742	6.68	761	6.94	800	7.47	838	8.00	875	8.54	912	9.10	948	9.69	983	10.3	1018	10.96	1053	11.64	1087	12.38	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 26: UV35 bottom duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 7.5HP and field drive						Standard 7.5HP and drive								Medium 10HP and drive								High 15 HP and drive			
9000	611	2.96	636	3.2	683	3.63	729	4.05	772	4.46	815	4.87	856	5.29	896	5.72	935	6.18	974	6.66	1012	7.17	1049	7.72	1067	8.01
10000	648	3.68	671	3.91	716	4.34	760	4.77	802	5.2	843	5.64	882	6.1	921	6.57	960	7.07	997	7.6	1034	8.17	1071	8.78	1089	9.1
11000	687	4.48	709	4.71	752	5.16	793	5.61	834	6.07	873	6.54	912	7.04	949	7.55	987	8.1	1023	8.69	1059	9.31	1095	9.98	1113	10.3
12000	729	5.41	749	5.64	790	6.11	830	6.59	868	7.08	906	7.59	943	8.13	980	8.69	1016	9.3	1052	9.93	1087	10.6	1121	11.3	1139	11.7
13000	772	6.47	792	6.72	831	7.22	868	7.73	905	8.26	942	8.82	977	9.4	1013	10	1048	10.7	1082	11.4	1116	12.1	1150	12.9	-	-
14000	818	7.72	837	7.98	873	8.51	909	9.06	944	9.64	979	10.2	1014	10.9	1048	11.6	1082	12.3	1115	13	1149	13.9	-	-	-	-
15000	865	9.17	883	9.45	918	10	952	10.6	986	11.2	1019	11.9	1052	12.6	1085	13.3	1118	14.1	-	-	-	-	-	-	-	-
16000	914	10.9	931	11.2	964	11.8	996	12.4	1029	13.1	1061	13.8	1093	14.6	1125	15.4	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 27: UV40 bottom duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 10HP and field drive				Std 10HP and drive										Medium 15HP and drive						High 20 HP and drive			
12000	600	4.41	633	4.818	666	5.255	699	5.72	731	6.227	764	6.765	796	7.34	828	7.95	860	8.59	892	9.28	924	10	940	10.4
13000	621	5.08	654	5.536	687	6.023	720	6.54	753	7.10	785	7.692	817	8.32	850	8.99	882	9.7	914	10.4	945	11.2	961	11.6
14000	645	5.89	678	6.391	711	6.928	743	7.50	776	8.11	809	8.763	841	9.45	873	10.2	905	11	937	11.8	969	12.6	985	13.1
15000	670	6.84	703	7.393	736	7.982	769	8.61	802	9.28	834	10.00	866	10.8	899	11.6	931	12.4	963	13.3	994	14.3	1010	14.8
16000	698	7.95	731	8.554	764	9.20	797	9.89	829	10.63	862	11.42	894	12.3	926	13.1	958	14.1	990	15.1	1022	16.2	1038	16.7
17000	727	9.23	760	9.885	793	10.60	826	11.36	859	12.18	891	13.05	923	14	956	15	988	16	1020	17.2	1051	18.4	-	-
18000	759	10.7	792	11.41	825	12.20	857	13.05	890	13.96	922	14.95	955	16	987	17.1	1019	18.3	1051	19.6	-	-	-	-
19000	792	12.3	825	13.15	858	14.04	890	15.00	923	16.04	956	17.16	988	18.4	1020	19.7	1052	21	-	-	-	-	-	-
20000	827	14.2	860	15.16	892	16.17	925	17.28	958	18.48	990	19.78	1023	21.2	1055	22.7	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in.filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 28: UV50 bottom duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 10HP and field drive				Standard 10HP and drive										Medium 15HP and drive						High 20 HP and drive			
12000	616	4.61	649	5.02	681	5.47	714	5.95	746	6.47	778	7.02	811	7.61	843	8.24	875	8.9	907	9.6	939	10.3	954	10.7
13000	639	5.33	672	5.8	705	6.3	737	6.84	770	7.41	802	8.02	834	8.67	866	9.35	898	10.1	930	10.9	962	11.7	978	12.1
14000	665	6.2	698	6.72	731	7.27	763	7.87	796	8.5	828	9.17	860	9.89	892	10.6	924	11.4	956	12.3	988	13.2	1004	13.7
15000	693	7.22	726	7.79	759	8.41	791	9.06	824	9.76	856	10.5	888	11.3	920	12.1	952	13	984	14	1016	14.9	1032	15.5
16000	723	8.41	756	9.04	789	9.72	821	10.4	854	11.2	886	12	918	12.9	950	13.9	982	14.8	1014	15.9	1046	17	1062	17.6
17000	756	9.79	788	10.5	821	11.2	853	12	886	12.9	918	13.8	950	14.8	983	15.9	1015	17	1046	18.2	-	-	-	-
18000	790	11.4	822	12.1	855	13	888	13.9	920	14.9	952	15.9	985	17	1017	18.2	1049	19.5	-	-	-	-	-	-
19000	826	13.2	858	14.1	891	15	924	16.1	956	17.2	988	18.4	1020	19.7	1053	21	-	-	-	-	-	-	-	-
20000	863	15.3	896	16.3	929	17.4	961	18.6	994	19.9	1026	21.3	-	-	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in.filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 29: UH28 side duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std 7.5HP & Field Drive						Std 7.5HP & Drive								Medium 10HP & Drive								High 15 HP & Drive			
8000	609	2.62	636	2.86	687	3.30	734	3.71	780	4.11	823	4.50	865	4.90	905	5.31	944	5.73	981	6.17	1018	6.64	1053	7.13	1071	7.39
9000	658	3.40	683	3.63	730	4.07	775	4.49	819	4.91	860	5.33	900	5.76	938	6.21	976	6.69	1012	7.18	1048	7.70	1082	8.26	1099	8.55
10000	707	4.25	730	4.48	775	4.93	817	5.37	858	5.82	898	6.28	936	6.76	973	7.26	1009	7.78	1045	8.34	1079	8.92	1113	9.54	1129	9.86
11000	756	5.20	778	5.44	820	5.91	860	6.39	899	6.87	937	7.38	974	7.91	1010	8.46	1044	9.05	1078	9.66	1112	10.31	1144	11.00	1161	11.35
12000	805	6.29	825	6.54	865	7.04	904	7.56	941	8.09	977	8.65	1012	9.23	1047	9.84	1080	10.49	1113	11.17	1146	11.89	-	-	-	-
13000	854	7.53	873	7.80	911	8.34	947	8.91	983	9.49	1018	10.11	1052	10.75	1085	11.43	1117	12.14	1149	12.89	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 30: UH30 side duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std 7.5HP & Field Drive						Std 7.5HP & Drive								Medium 10HP & Drive								High 15 HP & Drive			
8000	608	2.61	635	2.85	686	3.3	735	3.72	780	4.12	824	4.51	866	4.91	906	5.32	945	5.744	982	6.19	1019	6.65	1054	7.15	1072	7.4
9000	656	3.38	681	3.62	729	4.06	775	4.48	819	4.91	860	5.33	900	5.77	939	6.22	977	6.695	1013	7.19	1048	7.72	1083	8.27	1100	8.56
10000	705	4.23	728	4.46	774	4.92	817	5.36	858	5.82	898	6.28	936	6.76	974	7.26	1010	7.79	1045	8.35	1080	8.93	1113	9.55	1130	9.87
11000	753	5.18	776	5.42	818	5.89	859	6.37	899	6.86	937	7.37	974	7.91	1010	8.46	1044	9.05	1079	9.66	1112	10.3	1145	11	-	-
12000	802	6.26	823	6.51	863	7.02	902	7.54	940	8.08	976	8.64	1012	9.22	1046	9.84	1080	10.49	1113	11.2	1146	11.9	-	-	-	-
13000	851	7.49	871	7.77	909	8.32	946	8.88	982	9.47	1017	10.1	1051	10.7	1084	11.4	1117	12.13	1149	12.9	-	-	-	-	-	-
14000	900	8.92	918	9.21	955	9.81	990	10.4	1024	11.1	1058	11.8	1091	12.5	1123	13.2	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 31: UH35 side duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std 7.5HP & Field Drive				Std 7.5HP & Drive										Medium 10HP & Drive								High 15 HP & Drive			
9000	684	3.64	708	3.86	754	4.28	798	4.70	840	5.12	880	5.55	920	5.99	958	6.45	995	6.94	1031	7.45	1066	8.00	1101	8.57	1118	8.88
10000	735	4.53	758	4.76	801	5.20	842	5.64	882	6.10	921	6.57	959	7.06	995	7.57	1031	8.12	1066	8.69	1100	9.30	1134	9.95	1150	10.29
11000	788	5.55	809	5.78	849	6.25	888	6.74	926	7.23	963	7.75	999	8.30	1035	8.88	1069	9.48	1103	10.13	1136	10.81	-	-	-	-
12000	840	6.72	860	6.97	898	7.48	935	8.01	972	8.56	1007	9.14	1041	9.75	1075	10.39	1108	11.07	1141	11.78	-	-	-	-	-	-
13000	893	8.09	912	8.36	948	8.92	983	9.50	1018	10.11	1052	10.75	1085	11.43	1117	12.14	1149	12.89	-	-	-	-	-	-	-	-
14000	947	9.67	964	9.97	998	10.59	1032	11.23	1065	11.91	1097	12.62	1129	13.37	-	-	-	-	-	-	-	-	-	-	-	-
15000	1000	11.51	1017	11.84	1049	12.52	1081	13.23	1113	13.99	1144	14.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16000	1054	13.64	1069	14.01	1100	14.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 32: UH40 side duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std 10HP & Field Drive				Std 10HP & Drive										Medium 15HP & Drive						High 20 HP & Drive			
12000	602	4.43	642	4.94	682	5.48	720	6.06	758	6.67	795	7.32	831	8.00	866	8.71	900	9.45	934	10.22	966	11.02	982	11.42
13000	627	5.16	667	5.73	707	6.33	746	6.98	783	7.66	820	8.38	856	9.13	891	9.92	926	10.74	959	11.58	991	12.45	1007	12.90
14000	654	6.03	694	6.66	734	7.33	773	8.05	810	8.80	847	9.59	883	10.43	918	11.29	952	12.19	986	13.12	1018	14.09	1034	14.58
15000	682	7.04	723	7.74	762	8.48	801	9.27	839	10.10	876	10.98	912	11.90	947	12.86	981	13.86	1014	14.89	1047	15.96	1063	16.50
16000	712	8.21	753	8.97	792	9.79	831	10.67	869	11.59	905	12.57	941	13.59	977	14.66	1011	15.77	1044	16.92	-	-	-	-
17000	743	9.54	784	10.39	823	11.29	862	12.26	900	13.30	937	14.39	973	15.53	1008	16.73	1042	17.99	-	-	-	-	-	-
18000	776	11.05	816	11.99	856	13.01	894	14.09	932	15.26	969	16.49	1005	17.79	1040	19.16	-	-	-	-	-	-	-	-
19000	810	12.76	850	13.82	890	14.97	928	16.21	966	17.54	1003	18.95	1039	20.44	-	-	-	-	-	-	-	-	-	-
20000	844	14.72	885	15.93	924	17.25	963	18.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 33: UH50 side duct application

Air Flow (CFM)	Available External Static Pressure - IWG																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std 10HP & Field Drive				Std 10HP & Drive										Medium 15HP & Drive						High 20 HP & Drive			
12000	622	4.68	661	5.19	700	5.74	737	6.33	775	6.95	811	7.62	847	8.31	882	9.04	916	9.81	949	10.60	982	11.43	998	11.85
13000	650	5.47	689	6.05	727	6.67	765	7.33	802	8.02	839	8.76	874	9.53	909	10.34	944	11.19	977	12.06	1010	12.97	1026	13.44
14000	679	6.41	718	7.06	757	7.75	795	8.49	832	9.26	868	10.08	904	10.94	939	11.83	973	12.77	1007	13.74	1039	14.74	1056	15.26
15000	710	7.52	750	8.24	788	9.00	826	9.82	863	10.68	900	11.59	935	12.54	970	13.54	1005	14.58	1038	15.67	-	-	-	-
16000	743	8.79	783	9.59	821	10.45	859	11.35	896	12.32	933	13.33	968	14.40	1003	15.52	1037	16.69	-	-	-	-	-	-
17000	778	10.25	817	11.14	856	12.10	894	13.12	931	14.20	967	15.35	1003	16.56	1038	17.83	-	-	-	-	-	-	-	-
18000	814	11.92	853	12.93	892	14.01	929	15.16	966	16.40	1003	17.71	1039	19.09	-	-	-	-	-	-	-	-	-	-
19000	851	13.84	890	14.99	929	16.23	967	17.56	1004	18.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20000	889	16.07	929	17.40	967	18.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

RPM selection and static resistance

Table 34: UV28 to UV50 vertical airflow RPM selection

Model	HP	Max BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turn open	Fully closed
UV28	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	n/a
UV30	7.5	8.24	1VP60 - 1 3/8	1B5V124	658	686	714	742	770	798	826
	10	10.90	1VP68 - 1 3/8	1B5V110	820	850	880	911	941	971	1001
	15	16.13	2VP60 - 1 5/8	2B5V90	884	922	959	997	1035	1072	1110
UV35	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	n/a
UV40	10	10.90	1VP60 - 1 3/8	1B5V124	658	686	714	742	770	798	826
	15	16.13	1VP75 - 1 5/8	1B5V136	792	818	843	869	894	920	945
	20	21.50	2VP60 - 1 5/8	2B5V94	866	903	940	977	1013	1050	n/a
UV50	10	10.90	1VP60 - 1 3/8	1B5V124	658	686	714	742	770	798	826
	15	16.13	1VP75 - 1 5/8	1B5V136	792	818	843	869	894	920	945
	20	21.50	2VP60 - 1 5/8	2B5V94	866	903	940	977	1013	1050	n/a

Table 35: UH28 to UH50 horizontal airflow RPM selection

Model	HP	Max BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turn open	Fully closed
UH28	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	N/A
UH30	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	N/A
UH35	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	N/A
UH40	10	10.90	1VP60 - 1 3/8	1B5V124	658	686	714	742	770	798	826
	15	16.13	1VP75 - 1 5/8	1B5V136	792	818	843	869	894	920	945
	20	21.50	2VP60 - 1 5/8	2B5V94	866	903	940	977	1013	1050	N/A
UH50	10	10.90	1VP60 - 1 3/8	1B5V124	658	686	714	742	770	798	826
	15	16.13	1VP75 - 1 5/8	1B5V136	792	818	843	869	894	920	945
	20	21.50	2VP60 - 1 5/8	2B5V94	866	903	940	977	1013	1050	N/A

Additional static resistance

Note:

- For cooling only models, add the cooling only value to the available static resistance in the respective blower performance tables.
- For models with electric heat, add the electric heat value for your heater size to the available static resistance in the respective blower performance tables.
- If the unit contains a reheat coil or economizer, deduct the corresponding value from the available external static pressure shown in the respective blower performance tables.
- The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit delivers less CFM during full economizer operation.

Table 36: Additional static resistance - vertical airflow

Model	CFM	Cooling only	Economizer	Reheat coil	Electric heat kW				
					36	54	72	90	108
UV28 UV30 UV35	6000	0.18	0.09	0.04	0.04	0.06	0.08	0.08	---
	7000	0.21	0.12	0.06	0.05	0.08	0.10	0.10	---
	8000	0.23	0.15	0.07	0.06	0.09	0.12	0.12	---
	9000	0.26	0.19	0.09	0.07	0.11	0.15	0.15	---
	10,000	0.28	0.23	0.11	0.08	0.13	0.17	0.17	---
	11,000	0.30	0.28	0.13	0.09	0.14	0.19	0.19	---
	12,000	0.32	0.33	0.15	0.10	0.16	0.21	0.21	---
	13,000	0.33	0.38	0.18	0.11	0.17	0.23	0.23	---
	14,000	0.35	0.44	0.20	0.12	0.19	0.25	0.25	---
	15,000	0.36	0.50	0.23	0.13	0.20	0.26	0.26	---
	16,000	0.37	0.57	0.26	0.14	0.21	0.28	0.28	---
UV40 UV50	10,000	0.18	0.08	0.07	---	0.13	0.17	0.17	0.17
	11,000	0.21	0.10	0.07	---	0.14	0.19	0.19	0.19
	12,000	0.23	0.11	0.08	---	0.16	0.21	0.21	0.21
	13,000	0.26	0.13	0.09	---	0.17	0.23	0.23	0.23
	14,000	0.29	0.15	0.10	---	0.19	0.25	0.25	0.25
	15,000	0.32	0.17	0.11	---	0.20	0.26	0.26	0.26
	16,000	0.35	0.20	0.12	---	0.21	0.28	0.28	0.28
	17000	0.39	0.22	0.14	---	0.22	0.30	0.30	0.30
	18,000	0.42	0.25	0.15	---	0.24	0.31	0.31	0.31
	19,000	0.46	0.27	0.16	---	0.25	0.33	0.33	0.33
	20,000	0.50	0.30	0.17	---	0.26	0.34	0.34	0.34

Note:

- For cooling only models, add the cooling only value to the available static resistance in the respective blower performance tables.
- For models with electric heat, add the electric heat value for your heater size to the available static resistance in the respective blower performance tables.
- If the unit contains a reheat coil or economizer, deduct the corresponding value from the available external static pressure shown in the respective blower performance tables.
- The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit delivers less CFM during full economizer operation.

Table 37: Additional static resistance - horizontal airflow

Model	CFM	Cooling only	Economizer	Reheat coil	Electric heat kW				
					36	54	72	90	108
UH28 UH30 UH35	6000	0.21	0.02	0.04	0.04	0.06	0.08	0.08	---
	7000	0.27	0.02	0.06	0.05	0.08	0.10	0.10	---
	8000	0.34	0.04	0.07	0.06	0.09	0.12	0.12	---
	9000	0.42	0.05	0.09	0.07	0.11	0.15	0.15	---
	10,000	0.50	0.06	0.11	0.08	0.13	0.17	0.17	---
	11,000	0.59	0.08	0.13	0.09	0.14	0.19	0.19	---
	12,000	0.69	0.10	0.15	0.10	0.16	0.21	0.21	---
	13,000	0.79	0.12	0.18	0.11	0.17	0.23	0.23	---
	14,000	0.90	0.14	0.20	0.12	0.19	0.25	0.25	---
	15,000	1.01	0.17	0.23	0.13	0.20	0.26	0.26	---
	16,000	1.13	0.20	0.26	0.14	0.21	0.28	0.28	---
UH40 UH50	10,000	0.27	0.02	0.07	---	0.13	0.17	0.17	0.17
	11,000	0.32	0.03	0.07	---	0.14	0.19	0.19	0.19
	12,000	0.36	0.04	0.08	---	0.16	0.21	0.21	0.21
	13,000	0.41	0.04	0.09	---	0.17	0.23	0.23	0.23
	14,000	0.46	0.05	0.10	---	0.19	0.25	0.25	0.25
	15,000	0.51	0.06	0.11	---	0.20	0.26	0.26	0.26
	16,000	0.56	0.07	0.12	---	0.21	0.28	0.28	0.28
	17,000	0.61	0.08	0.14	---	0.22	0.30	0.30	0.30
	18,000	0.66	0.09	0.15	---	0.24	0.31	0.31	0.31
	19,000	0.71	0.10	0.16	---	0.25	0.33	0.33	0.33
	20,000	0.76	0.11	0.17	---	0.26	0.34	0.34	0.34

Drive selection

1. Determine the required airflow.
2. Calculate or measure the amount of external static pressure.
3. With the operating point determined from the previous steps, locate this point on the appropriate supply air blower performance table. Linear interpolation may be necessary.
4. Note the RPM and BHP from the previous step and locate the appropriate motor and/or drive.
5. Review the BHP compared to the motor options available. Select the appropriate motor and/or drive.
6. Review the RPM range for the motor options available. Select the appropriate drive if multiple drives are available for the chosen motor.
7. Determine the turns open to obtain the required operation point.

Example

1. 9000 CFM
2. 1.2 IWG
3. Using the supply air blower performance table below, the following data point was located: 810 RPM and 4.82 BHP
4. Using the following RPM selection table, Size X and Model Y is found
5. 4.82 BHP does not exceed the maximum continuous BHP rating of any of the three motor options, so all three motors are still eligible for selection
6. 810 RPM falls within the range of the 7.5-HP drive
7. Using the 7.5-HP motor, 2.5 turns open achieves 810 RPM

Table 38: Example supply air blower performance

Air flow (CFM)	Available external static pressure - IWG																							
	0.3		0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 7.5HP and field drive						Standard 7.5HP and drive								Medium 10HP and drive								High 20 HP and drive			
8000	573	2.29	599	2.53	649	2.98	696	3.39	742	3.78	786	4.16	828	4.55	869	4.95	910	5.36	949	5.79	988	6.25	1026	6.75	1045	7.00
9000	606	2.92	631	3.15	678	3.59	724	4.01	768	4.41	810	4.82	851	5.24	892	5.67	931	6.13	970	6.60	1007	7.12	1045	7.66	1063	7.95
10000	642	3.62	665	3.85	711	4.29	754	4.72	796	5.15	837	5.58	877	6.04	916	6.51	955	7.00	992	7.53	1029	8.09	1066	8.69	1084	9.01
11000	680	4.41	702	4.64	745	5.09	787	5.54	827	6.00	867	6.47	906	6.96	943	7.47	981	8.01	1017	8.59	1054	9.21	1089	9.87	1107	10.21
12000	721	5.31	741	5.55	782	6.02	822	6.50	861	6.99	899	7.49	936	8.02	973	8.58	1009	9.18	1045	9.81	1080	10.49	1115	11.21	1132	11.58
13000	763	6.36	783	6.60	822	7.10	860	7.61	897	8.14	933	8.69	969	9.26	1005	9.88	1040	10.52	1075	11.22	1109	11.95	1143	12.74	-	-

Note: Blower performance includes gas heat exchangers and 2 in. filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.93.

Table 39: Example RPM selection

Model	HP	Max BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turn open	Fully closed
UV28	7.5	8.24	1VP65 - 1 3/8	1B5V124	717	745	772	800	827	855	882
	10	10.90	2VP60- 1 3/8	2B5V94	848	884	920	956	992	1028	1064
	15	16.13	2VP60- 1 5/8	2B5V86	945	985	1026	1066	1106	1147	n/a

Airflow specifications

Table 40: Altitude/temperature correction factors

Air temp.	Altitude (ft)										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
40	1.060	1.022	0.986	0.950	0.916	0.882	0.849	0.818	0.788	0.758	0.729
50	1.039	1.002	0.966	0.931	0.898	0.864	0.832	0.802	0.772	0.743	0.715
60	1.019	0.982	0.948	0.913	0.880	0.848	0.816	0.787	0.757	0.729	0.701
70	1.000	0.964	0.930	0.896	0.864	0.832	0.801	0.772	0.743	0.715	0.688
80	0.982	0.947	0.913	0.880	0.848	0.817	0.787	0.758	0.730	0.702	0.676
90	0.964	0.929	0.897	0.864	0.833	0.802	0.772	0.744	0.716	0.689	0.663
100	0.946	0.912	0.880	0.848	0.817	0.787	0.758	0.730	0.703	0.676	0.651

Figure 7: Altitude/temperature correction factors

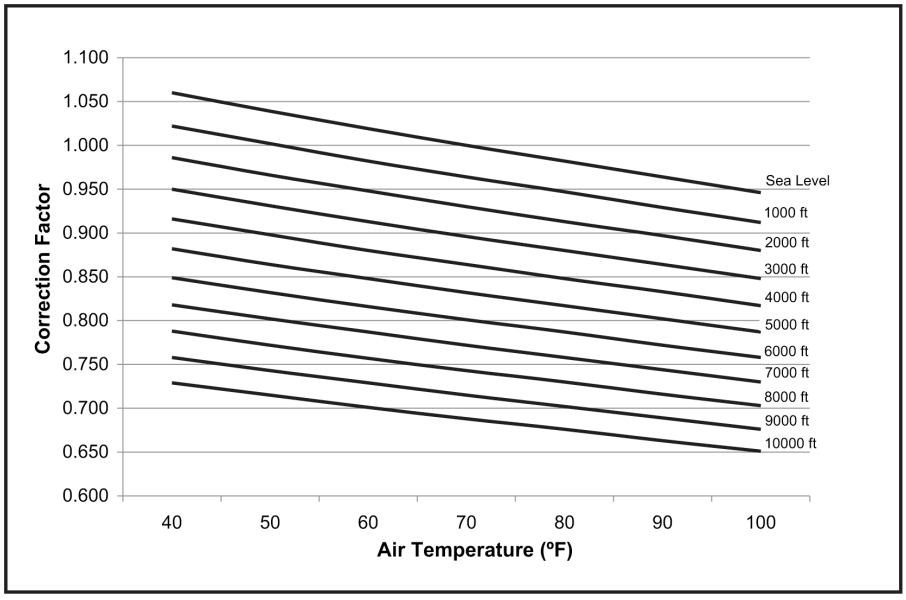


Table 41: Gas heat allowable air flow

Model	Heat size	Supply air (CFM) heating	
		Min.	Max.
UV28	(N,S)1	8250	12375
	(N,S)3	8250	12375
UV30	(N,S)1	9000	13500
	(N,S)3	9000	13500
UV35	(N,S)1	10500	15750
	(N,S)3	10500	15750
UV40	(N,S)1	12000	18000
	(N,S)3	12000	18000
UV50	(N,S)1	15000	20000
	(N,S)3	15000	20000

CAUTION

For units with VFD and staged gas heat, the speed of the indoor blower motor continues to be controlled by duct static pressure through the VAV control board. If there are VAV boxes present in the duct system, the boxes must be driven to the full-open position using a customer-supplied power source to ensure adequate airflow across the gas heat furnace.

Table 42: Electric heat minimum airflow requirements

Size (tons)	Heat Ssize (kW)				
	36	54	72	90	108
27.5	8,250	8,250	8,250	8,250	-
30	9,000	9,000	9,000	9,000	-
35	10,500	10,500	10,500	10,500	-
40	-	12,000	12,000	12,000	12,000
50	-	15,000	15,000	15,000	15,000

CAUTION

For units with VFD and electric heat, the speed of the indoor blower motor continues to be controlled by duct static pressure through the VAV control board. If there are VAV boxes present in the duct system, the boxes must be driven to the full-open position using a customer-supplied power source to ensure adequate airflow across the electric heating elements.

Indoor blower specifications

Table 43: Indoor blower specifications - Vertical Airflow

Model	Motor					Motor sheave			Blower sheave			Belt	
	HP	RPM	Eff.	SF	Frame	Datum Dia. (in.)	Bore (in.)	Model	Datum Dia. (in.)	Bore (in.)	Blower sheave	Model	Qty.
UV28	7.5	1770	91.00	1.3	213T	4.8-6	1 3/8	1VP65	12.4	1 11/16	1B5V124	BX82	1
	10.0	1770	91.70	1.3	215T	4.3-5.5	1 3/8	2VP60	9.4	1 11/16	2B5V94	BX75	2
	15.0	1765	93.00	1.3	254T	4.7-5.9	1 5/8	2VP60	8.7	1 11/16	2B5V86	5VX780	2
UV30	7.5	1770	91.00	1.3	213T	4.7-5.9	1 3/8	1VP60	12.4	1 11/16	1B5V124	5VX830	1
	10.0	1770	91.70	1.3	215T	5.2-6.4	1 3/8	1VP68	11.1	1 11/16	1B5V110	5VX830	1
	15.0	1765	93.00	1.3	254T	4.3-5.5	1 5/8	2VP60	9.0	1 11/16	2B5V90	BX76	2
UV35	7.5	1770	91.00	1.3	213T	4.8-6	1 3/8	1VP65	12.4	1 11/16	1B5V124	BX82	1
	10.0	1770	91.70	1.3	215T	4.3-5.5	1 3/8	2VP60	9.4	1 11/16	2B5V94	BX75	2
	15.0	1765	93.00	1.3	254T	4.7-5.9	1 5/8	2VP60	8.7	1 11/16	2B5V86	5VX780	2
UV40	10.0	1770	91.70	1.3	215T	4.7-5.9	1 3/8	1VP60	12.5	1 11/16	1B5V124	5VX830	1
	15.0	1765	93.00	1.3	254T	6.2-7.4	1 5/8	1VP75	13.7	1 11/16	1B5V136	5VX880	1
	20.0	1765	93.00	1.3	256T	4.7-5.9	1 5/8	2VP60	9.5	1 11/16	2B5V94	5VX780	2
UV50	10.0	1770	91.70	1.3	215T	4.7-5.9	1 3/8	1VP60	12.5	1 11/16	1B5V124	5VX830	1
	15.0	1765	93.00	1.3	254T	6.2-7.4	1 5/8	1VP75	13.7	1 11/16	1B5V136	5VX880	1
	20.0	1765	93.00	1.3	256T	4.7-5.9	1 5/8	2VP60	9.5	1 11/16	2B5V94	5VX780	2

Table 44: Indoor blower specifications - Horizontal Airflow

Model	Motor					Motor sheave			Blower sheave			Belt	
	HP	RPM	Eff.	SF	Frame	Datum Dia. (in.)	Bore (in.)	Model	Datum Dia. (in.)	Bore (in.)	Blower sheave	Model	No. of qty
UH28	7.5	1770	91.00	1.3	213T	4.8-6	1 3/8	1VP65	12.4	1 11/16	1B5V124	BX82	1
	10.0	1770	91.70	1.3	215T	4.3-5.5	1 3/8	2VP60	9.4	1 11/16	2B5V94	BX75	2
	15.0	1765	93.00	1.3	254T	4.7-5.9	1 5/8	2VP60	8.7	1 11/16	2B5V86	5VX780	2
UH30	7.5	1770	91.00	1.3	213T	4.8-6	1 3/8	1VP65	12.4	1 11/16	1B5V124	BX82	1
	10.0	1770	91.70	1.3	215T	4.3-5.5	1 3/8	2VP60	9.4	1 11/16	2B5V94	BX75	2
	15.0	1765	93.00	1.3	254T	4.7-5.9	1 5/8	2VP60	8.7	1 11/16	2B5V86	5VX780	2
UH35	7.5	1770	91.00	1.3	213T	4.8-6	1 3/8	1VP65	12.4	1 11/16	1B5V124	BX82	1
	10.0	1770	91.70	1.3	215T	4.3-5.5	1 3/8	2VP60	9.4	1 11/16	2B5V94	BX75	2
	15.0	1765	93.00	1.3	254T	4.7-5.9	1 5/8	2VP60	8.7	1 11/16	2B5V86	5VX780	2
UH40	10.0	1770	91.70	1.3	215T	4.7-5.9	1 3/8	1VP60	12.5	1 11/16	1B5V124	5VX830	1
	15.0	1765	93.00	1.3	254T	6.2-7.4	1 5/8	1VP75	13.7	1 11/16	1B5V136	5VX880	1
	20.0	1765	93.00	1.3	256T	4.7-5.9	1 5/8	2VP60	9.5	1 11/16	2B5V94	5VX780	2
UH50	10.0	1770	91.70	1.3	215T	4.7-5.9	1 3/8	1VP60	12.5	1 11/16	1B5V124	5VX830	1
	15.0	1765	93.00	1.3	254T	6.2-7.4	1 5/8	1VP75	13.7	1 11/16	1B5V136	5VX880	1
	20.0	1765	93.00	1.3	256T	4.7-5.9	1 5/8	2VP60	9.5	1 11/16	2B5V94	5VX780	2

Electric heat multipliers

Table 45: Electric heat multipliers

Voltage		kW Capacity multipliers[1]
Nominal	Applied	
240	208	0.75
	230	0.92
480	460	0.92
600	575	0.92

1 Electric heaters are rated at nominal voltage. Use this table to determine the electric heat capacity for heaters applied at lower voltages.

Power exhaust airflow

Table 46: Power exhaust airflow

Tonnage	Available return static (IWG)														
	0.1			0.2			0.3			0.4			0.5		
	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
28	11680	1887	1140	10504	1913	1140	8675	1939	1140	6593	1965	1140	4658	1991	1140
30	11680	1887	1140	10504	1913	1140	8675	1939	1140	6593	1965	1140	4658	1991	1140
35	11680	1887	1140	10504	1913	1140	8675	1939	1140	6593	1965	1140	4658	1991	1140
40	15493	2659	1140	14447	2736	1140	13513	2814	1140	12760	2892	1140	12259	2970	1140
50	15493	2659	1140	14447	2736	1140	13513	2814	1140	12760	2892	1140	12259	2970	1140

Sound performance

Indoor sound performance

Table 47: Indoor sound performance

Model	CFM	Type	Sound power, dB (10^{-12}) watts							
			Octave band centerline frequency (Hz)							
			63	125	250	500	1000	2000	4000	8000
UV28	11000	Ducted discharge	84	82	78	79	77	76	72	64
		Ducted inlet	82	75	64	66	67	65	64	54
UV30	12000	Ducted discharge	87	83	79	79	78	76	72	65
		Ducted inlet	86	75	64	66	68	65	65	55
UV35	14000	Ducted discharge	87	87	83	83	84	82	78	72
		Ducted inlet	83	78	68	70	72	70	67	58
UV40	16000	Ducted discharge	90	84	80	80	79	76	70	62
		Ducted inlet	85	78	68	66	64	61	61	53
UV50	20000	Ducted discharge	92	84	81	81	80	77	71	65
		Ducted inlet	87	80	70	67	66	64	62	55

Note:

- 30 ton and 50 ton models tested in accordance with AHRI 260-2017. 27.5 ton, 35 ton, and 40 ton models interpolated from tests made in accordance with AHRI 260-2017.
- Ratings include duct end correction E1.
- Ratings include compressor noise.

Outdoor sound

Table 48: Outdoor sound performance

Tonnage	Sound power, dB (10^{-12}) watts								
	Sound rating (dBA)	Octave band centerline frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
27.5	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
30	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
35	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
40	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
50	91	96.0	91.0	86.5	87.0	86.5	84.0	79.5	75.0

Note:

- 30 ton and 50 ton models tested in accordance with AHRI 370-2015. 27.5 ton, 35 ton, and 40 ton models interpolated from tests made in accordance with AHRI 370-2015.
- Ratings include compressor noise.

Electrical data

Constant volume standard static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 49: 27.5 ton to 50 ton constant volume standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating/120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	19.4	144.4	14.4	None	-	-	127.7	150	135	852	142.1	175	152	866
											27.0	2	74.9	127.7	150	135	852	142.1	175	152	866
											40.6	2	112.7	165.1	175	152	852	183.1	200	168	866
	230-3-60	41	304	41	304	4.2	24.8	19.4	144.4	13	None	-	-	128.5	150	136	852	141.5	175	151	865
											36.0	2	86.6	132.5	150	136	852	148.8	175	151	865
											54.0	2	129.9	154.2	175	172	852	170.4	175	187	865
	460-3-60	19.2	147	19.2	147	2.1	12.7	9.7	72.2	6.5	None	-	-	61.3	80	65	417	67.8	80	72	424
											36.0	2	43.3	66.3	80	65	417	74.4	80	72	424
											54.0	2	65.0	77.1	90	86	417	85.3	90	93	424
											72.0	2	86.6	98.7	110	111	417	106.9	110	118	424
											90.0	2	108.3	120.4	150	136	417	128.6	150	143	424
	575-3-60	16.7	122	16.7	122	1.6	8.8	8.01	59.1	5.2	None	-	-	52.0	60	55	338	57.2	70	61	344
											54.0	2	52.0	62.0	70	69	338	68.5	75	75	344
											72.0	2	69.3	79.3	90	89	338	85.8	90	95	344
											90.0	2	86.6	96.6	110	109	338	103.1	110	115	344
30	208-3-60	44.2	315	44.2	315	4	24.8	19.4	144.4	14.4	None	-	-	134.9	175	142	874	149.3	175	159	888
											27.0	2	74.9	134.9	175	142	874	149.3	175	159	888
											40.6	2	112.7	165.1	175	152	874	183.1	200	168	888
	230-3-60	44.2	315	44.2	315	4.2	24.8	19.4	144.4	13	None	-	-	135.7	175	143	874	148.7	175	158	887
											36.0	2	86.6	135.7	175	143	874	148.8	175	158	887
											54.0	2	129.9	154.2	175	172	874	170.4	175	187	887
	460-3-60	22.4	158	22.4	158	2.1	12.7	9.7	72.2	6.5	None	-	-	68.5	90	72	439	75.0	90	80	446
											36.0	2	43.3	68.5	90	72	439	75.0	90	80	446
											54.0	2	65.0	77.1	90	86	439	85.3	90	93	446
											72.0	2	86.6	98.7	110	111	439	106.9	110	118	446
											90.0	2	108.3	120.4	150	136	439	128.6	150	143	446
	575-3-60	18.6	136	18.6	136	1.6	8.8	8.01	59.1	5.2	None	-	-	56.3	70	59	366	61.5	80	65	372
											54.0	2	52.0	62.0	70	69	366	68.5	80	75	372
											72.0	2	69.3	79.3	90	89	366	85.8	90	95	372
											90.0	2	86.6	96.6	110	109	366	103.1	110	115	372

Table 49: 27.5 ton to 50 ton constant volume standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating/120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	48.1	351	4	24.8	19.4	144.4	14.4	None	-	-	143.6	175	151	946	158.0	200	168	960
											27.0	2	74.9	143.6	175	151	946	158.0	200	168	960
											40.6	2	112.7	165.1	175	152	946	183.1	200	168	960
	230-3-60	48.1	351	48.1	351	4.2	24.8	19.4	144.4	13	None	-	-	144.4	175	152	946	157.4	200	167	959
											36.0	2	86.6	144.4	175	152	946	157.4	200	167	959
											54.0	2	129.9	154.2	175	172	946	170.4	200	187	959
	460-3-60	24.7	197	24.7	197	2.1	12.7	9.7	72.2	6.5	None	-	-	73.7	90	78	517	80.2	100	85	524
											36.0	2	43.3	73.7	90	78	517	80.2	100	85	524
											54.0	2	65.0	77.1	90	86	517	85.3	100	93	524
											72.0	2	86.6	98.7	110	111	517	106.9	110	118	524
											90.0	2	108.3	120.4	150	136	517	128.6	150	143	524
	575-3-60	22.4	135	22.4	135	1.6	8.8	8.01	59.1	5.2	None	-	-	64.8	80	68	364	70.0	90	74	370
											54.0	2	52.0	64.8	80	69	364	70.0	90	75	370
											72.0	2	69.3	79.3	90	89	364	85.8	90	95	370
											90.0	2	86.6	96.6	110	109	364	103.1	110	115	370
40	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	14.4	None	-	-	149.2	175	158	975	163.6	200	174	989
											40.6	2	112.7	172.1	175	158	975	190.1	200	175	989
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	13	None	-	-	150.0	175	159	975	163.0	200	174	988
											54.0	2	129.9	161.2	175	178	975	177.4	200	193	988
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	6.5	None	-	-	76.5	100	81	532	83.0	100	88	538
											54.0	2	65.0	80.6	100	89	532	88.8	100	97	538
											72.0	2	86.6	102.2	110	114	532	110.4	125	121	538
											90.0	2	108.3	123.9	150	139	532	132.1	150	146	538
											108.0	2	129.9	145.5	175	164	532	153.7	175	171	538
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	5.2	None	-	-	66.8	80	70	377	72.0	90	76	382
											54.0	2	52.0	66.8	80	71	377	72.0	90	77	382
											72.0	2	69.3	81.8	90	91	377	88.3	90	97	382
											90.0	2	86.6	99.1	110	111	377	105.6	110	117	382
											108.0	2	103.9	116.4	150	131	377	122.9	150	137	382
50	208-3-60	67.3	485	67.3	485	7.2	40.7	25	173.44	14.4	None	-	-	205.2	250	217	1306	219.6	275	233	1321
											40.6	2	112.7	205.2	250	217	1306	219.6	275	233	1321
	230-3-60	67.3	485	67.3	485	6.8	40.7	25	173.44	13	None	-	-	203.6	250	215	1306	216.6	275	230	1319
											54.0	2	129.9	203.6	250	215	1306	216.6	275	230	1319
	460-3-60	32.7	215	32.7	215	3.4	20.4	12.5	86.72	6.5	None	-	-	99.7	125	105	598	106.2	125	113	605
											54.0	2	65.0	99.7	125	105	598	106.2	125	113	605
											72.0	2	86.6	102.2	125	114	598	110.4	125	121	605
											90.0	2	108.3	123.9	150	139	598	132.1	150	146	605
											108.0	2	129.9	145.5	175	164	598	153.7	175	171	605
	575-3-60	26.3	175	26.3	175	2.7	16.4	10	71.77	5.2	None	-	-	80.0	100	84	487	85.2	110	90	493
											54.0	2	52.0	80.0	100	84	487	85.2	110	90	493
											72.0	2	69.3	81.8	100	91	487	88.3	110	97	493
											90.0	2	86.6	99.1	110	111	487	105.6	110	117	493
											108.0	2	103.9	116.4	150	131	487	122.9	150	137	493

Table 50: 27.5 ton to 50 ton constant volume standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	135.7	175	144	901	150.1	175	161	916
													27.0	2	74.9	135.7	175	144	901	150.1	175	161	916
													40.6	2	112.7	175.1	200	161	901	193.1	200	178	916
	230-3-60	41	304	41	304	4.2	24.8	19.4	144.4	4.2	24.8	13	None	-	-	136.9	175	146	901	149.9	175	161	914
													36.0	2	86.6	143.0	175	146	901	159.3	175	161	914
													54.0	2	129.9	164.7	175	181	901	180.9	200	196	914
	460-3-60	19.2	147	19.2	147	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	65.5	80	70	442	72.0	90	77	449
													36.0	2	43.3	71.5	80	70	442	79.6	90	77	449
													54.0	2	65.0	82.4	90	91	442	90.5	100	98	449
													72.0	2	86.6	104.0	110	116	442	112.1	125	123	449
													90.0	2	108.3	125.7	150	141	442	133.8	150	148	449
	575-3-60	16.7	122	16.7	122	1.6	8.8	8.01	59.1	1.6	8.8	5.2	None	-	-	55.2	70	59	356	60.4	75	65	361
													54.0	2	52.0	66.0	70	73	356	72.5	75	79	361
													72.0	2	69.3	83.3	90	93	356	89.8	90	99	361
													90.0	2	86.6	100.6	110	112	356	107.1	110	118	361
30	208-3-60	44.2	315	44.2	315	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	142.9	175	152	923	157.3	200	168	938
													27.0	2	74.9	142.9	175	152	923	157.3	200	168	938
													40.6	2	112.7	175.1	200	161	923	193.1	200	178	938
	230-3-60	44.2	315	44.2	315	4.2	24.8	19.4	144.4	4.2	24.8	13	None	-	-	144.1	175	153	923	157.1	200	168	936
													36.0	2	86.6	144.1	175	153	923	159.3	200	168	936
													54.0	2	129.9	164.7	175	181	923	180.9	200	196	936
	460-3-60	22.4	158	22.4	158	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	72.7	90	77	464	79.2	100	85	471
													36.0	2	43.3	72.7	90	77	464	79.6	100	85	471
													54.0	2	65.0	82.4	90	91	464	90.5	100	98	471
													72.0	2	86.6	104.0	110	116	464	112.1	125	123	471
													90.0	2	108.3	125.7	150	141	464	133.8	150	148	471
	575-3-60	18.6	136	18.6	136	1.6	8.8	8.01	59.1	1.6	8.8	5.2	None	-	-	59.5	75	63	384	64.7	80	69	389
													54.0	2	52.0	66.0	75	73	384	72.5	80	79	389
													72.0	2	69.3	83.3	90	93	384	89.8	90	99	389
													90.0	2	86.6	100.6	110	112	384	107.1	110	118	389
35	208-3-60	48.1	351	48.1	351	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	151.6	175	161	995	166.0	200	177	1010
													27.0	2	74.9	151.6	175	161	995	166.0	200	177	1010
													40.6	2	112.7	175.1	200	161	995	193.1	200	178	1010
	230-3-60	48.1	351	48.1	351	4.2	24.8	19.4	144.4	4.2	24.8	13	None	-	-	152.8	200	162	995	165.8	200	177	1008
													36.0	2	86.6	152.8	200	162	995	165.8	200	177	1008
													54.0	2	129.9	164.7	200	181	995	180.9	200	196	1008
	460-3-60	24.7	197	24.7	197	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	77.9	100	82	542	84.4	100	90	549
													36.0	2	43.3	77.9	100	82	542	84.4	100	90	549
													54.0	2	65.0	82.4	100	91	542	90.5	100	98	549
													72.0	2	86.6	104.0	110	116	542	112.1	125	123	549
													90.0	2	108.3	125.7	150	141	542	133.8	150	148	549
	575-3-60	22.4	135	22.4	135	1.6	8.8	8.01	59.1	1.6	8.8	5.2	None	-	-	68.0	90	72	382	73.2	90	78	387
													54.0	2	52.0	68.0	90	73	382	73.2	90	79	387
													72.0	2	69.3	83.3	90	93	382	89.8	90	99	387
													90.0	2	86.6	100.6	110	112	382	107.1	110	118	387
40	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	7.2	40.7	14.4	None	-	-	163.6	200	174	1056	178.0	225	191	1070
													40.6	2	112.7	190.1	200	175	1056	208.1	225	191	1070
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	6.8	40.7	13	None	-	-	163.6	200	174	1056	176.6	200	189	1069
													54.0	2	129.9	178.2	200	194	1056	194.4	200	209	1069
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	3.4	20.4	6.5	None	-	-	83.3	100	89	572	89.8	110	96	579
													54.0	2	65.0	89.1	100	97	572	97.3	110	104	579
													72.0	2	86.6	110.7	125	122	572	118.9	125	129	579
													90.0	2	108.3	132.4	150	147	572	140.6	150	154	579
													108.0	2	129.9	154.0	175	172	572	162.2	175	179	579
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	2.7	16.4	5.2	None	-	-	72.2	90	77	410	77.4	90	83	415
													54.0	2	52.0	72.2	90	78	410	77.8	90	83	415
													72.0	2	69.3	88.6	90	97	410	95.1	100	103	415
													90.0	2	86.6	105.9	110	117	410	112.4	125	123	415
													108.0	2	103.9	123.2	150	137	410	129.7	150	143	415

Table 50: 27.5 ton to 50 ton constant volume standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	67.3	485	7.2	40.7	25	173.44	7.2	40.7	14.4	None	-	-	219.6	275	233	1388	234.0	300	250	1402
													40.6	2	112.7	219.6	275	233	1388	234.0	300	250	1402
	230-3-60	67.3	485	67.3	485	6.8	40.7	25	173.44	6.8	40.7	13	None	-	-	217.2	275	230	1388	230.2	275	245	1401
													54.0	2	129.9	217.2	275	230	1388	230.2	275	245	1401
	460-3-60	32.7	215	32.7	215	3.4	20.4	12.5	86.72	3.4	20.4	6.5	None	-	-	106.5	125	113	639	113.0	125	121	646
													54.0	2	65.0	106.5	125	113	639	113.0	125	121	646
													72.0	2	86.6	110.7	125	122	639	118.9	125	129	646
													90.0	2	108.3	132.4	150	147	639	140.6	150	154	646
													108.0	2	129.9	154.0	175	172	639	162.2	175	179	646
	575-3-60	26.3	175	26.3	175	2.7	16.4	10	71.77	2.7	16.4	5.2	None	-	-	85.4	110	91	520	90.6	110	97	525
													54.0	2	52.0	85.4	110	91	520	90.6	110	97	525
													72.0	2	69.3	88.6	110	97	520	95.1	110	103	525
													90.0	2	86.6	105.9	110	117	520	112.4	125	123	525
													108.0	2	103.9	123.2	150	137	520	129.7	150	143	525

Table 51: 27.5 ton to 50 ton constant volume standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	137.3	175	146	901	151.7	175	163	916
													27.0	2	74.9	137.3	175	146	901	151.7	175	163	916
													40.6	2	112.7	177.1	200	163	901	195.1	200	180	916
	230-3-60	41	304	41	304	4.2	24.8	19.4	144.4	9.6	24.8	13	None	-	-	138.1	175	147	901	151.1	175	162	914
													36.0	2	86.6	144.5	175	147	901	160.8	175	162	914
													54.0	2	129.9	166.2	175	183	901	182.4	200	198	914
	460-3-60	19.2	147	19.2	147	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	66.1	80	70	442	72.6	90	78	449
													36.0	2	43.3	72.3	80	70	442	80.4	90	78	449
													54.0	2	65.0	83.1	90	91	442	91.3	100	99	449
													72.0	2	86.6	104.7	110	116	442	112.9	125	124	449
													90.0	2	108.3	126.4	150	141	442	134.6	150	149	449
	575-3-60	16.7	122	16.7	122	1.6	8.8	8.01	59.1	4.9	8.8	5.2	None	-	-	56.9	70	61	356	62.1	75	67	361
													54.0	2	52.0	68.1	70	75	356	74.6	80	81	361
													72.0	2	69.3	85.4	90	95	356	91.9	100	101	361
													90.0	2	86.6	102.7	110	114	356	109.2	110	120	361
30	208-3-60	44.2	315	44.2	315	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	144.5	175	153	923	158.9	200	170	938
													27.0	2	74.9	144.5	175	153	923	158.9	200	170	938
													40.6	2	112.7	177.1	200	163	923	195.1	200	180	938
	230-3-60	44.2	315	44.2	315	4.2	24.8	19.4	144.4	9.6	24.8	13	None	-	-	145.3	175	154	923	158.3	200	169	936
													36.0	2	86.6	145.3	175	154	923	160.8	200	169	936
													54.0	2	129.9	166.2	175	183	923	182.4	200	198	936
	460-3-60	22.4	158	22.4	158	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	73.3	90	78	464	79.8	100	85	471
													36.0	2	43.3	73.3	90	78	464	80.4	100	85	471
													54.0	2	65.0	83.1	90	91	464	91.3	100	99	471
													72.0	2	86.6	104.7	110	116	464	112.9	125	124	471
													90.0	2	108.3	126.4	150	141	464	134.6	150	149	471
	575-3-60	18.6	136	18.6	136	1.6	8.8	8.01	59.1	4.9	8.8	5.2	None	-	-	61.2	75	65	384	66.4	80	71	389
													54.0	2	52.0	68.1	75	75	384	74.6	80	81	389
													72.0	2	69.3	85.4	90	95	384	91.9	100	101	389
													90.0	2	86.6	102.7	110	114	384	109.2	110	120	389

Table 51: 27.5 ton to 50 ton constant volume standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	48.1	351	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	153.2	200	162	995	167.6	200	179	1010
													27.0	2	74.9	153.2	200	162	995	167.6	200	179	1010
													40.6	2	112.7	177.1	200	163	995	195.1	200	180	1010
	230-3-60	48.1	351	48.1	351	4.2	24.8	19.4	144.4	9.6	24.8	13	None	-	-	154.0	200	163	995	167.0	200	178	1008
													36.0	2	86.6	154.0	200	163	995	167.0	200	178	1008
													54.0	2	129.9	166.2	200	183	995	182.4	200	198	1008
	460-3-60	24.7	197	24.7	197	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	78.5	100	83	542	85.0	100	91	549
													36.0	2	43.3	78.5	100	83	542	85.0	100	91	549
													54.0	2	65.0	83.1	100	91	542	91.3	100	99	549
													72.0	2	86.6	104.7	110	116	542	112.9	125	124	549
													90.0	2	108.3	126.4	150	141	542	134.6	150	149	549
	575-3-60	22.4	135	22.4	135	1.6	8.8	8.01	59.1	4.9	8.8	5.2	None	-	-	69.7	90	74	382	74.9	90	80	387
													54.0	2	52.0	69.7	90	75	382	74.9	90	81	387
													72.0	2	69.3	85.4	90	95	382	91.9	100	101	387
													90.0	2	86.6	102.7	110	114	382	109.2	110	120	387
40	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	15.2	40.7	14.4	None	-	-	164.4	200	175	1056	178.8	225	192	1070
													40.6	2	112.7	191.1	200	176	1056	209.1	225	192	1070
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	15.2	40.7	13	None	-	-	165.2	200	176	1056	178.2	225	191	1069
													54.0	2	129.9	180.2	200	196	1056	196.4	225	211	1069
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	8.2	20.4	6.5	None	-	-	84.7	100	90	572	91.2	110	98	579
													54.0	2	65.0	90.9	100	99	572	99.0	110	106	579
													72.0	2	86.6	112.5	125	123	572	120.6	125	131	579
													90.0	2	108.3	134.2	150	148	572	142.3	150	156	579
													108.0	2	129.9	155.8	175	173	572	163.9	175	181	579
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	6.1	16.4	5.2	None	-	-	72.9	90	77	410	78.1	100	83	415
													54.0	2	52.0	72.9	90	78	410	78.6	100	84	415
													72.0	2	69.3	89.4	90	98	410	95.9	100	104	415
													90.0	2	86.6	106.7	110	118	410	113.2	125	124	415
													108.0	2	103.9	124.0	150	138	410	130.5	150	144	415
50	208-3-60	67.3	485	67.3	485	7.2	40.7	25	173.44	15.2	40.7	14.4	None	-	-	220.4	275	234	1388	234.8	300	251	1402
													40.6	2	112.7	220.4	275	234	1388	234.8	300	251	1402
	230-3-60	67.3	485	67.3	485	6.8	40.7	25	173.44	15.2	40.7	13	None	-	-	218.8	275	232	1388	231.8	275	247	1401
													54.0	2	129.9	218.8	275	232	1388	231.8	275	247	1401
	460-3-60	32.7	215	32.7	215	3.4	20.4	12.5	86.72	8.2	20.4	6.5	None	-	-	107.9	125	115	639	114.4	125	122	646
													54.0	2	65.0	107.9	125	115	639	114.4	125	122	646
													72.0	2	86.6	112.5	125	123	639	120.6	125	131	646
													90.0	2	108.3	134.2	150	148	639	142.3	150	156	646
													108.0	2	129.9	155.8	175	173	639	163.9	175	181	646
	575-3-60	26.3	175	26.3	175	2.7	16.4	10	71.77	6.1	16.4	5.2	None	-	-	86.1	110	91	520	91.3	110	97	525
													54.0	2	52.0	86.1	110	91	520	91.3	110	97	525
													72.0	2	69.3	89.4	110	98	520	95.9	110	104	525
													90.0	2	86.6	106.7	110	118	520	113.2	125	124	525
													108.0	2	103.9	124.0	150	138	520	130.5	150	144	525

Constant volume medium static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 52: 27.5 ton to 50 ton constant volume medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	25	173.44	14.4	None	-	-	133.3	150	141	881	147.7	175	158	895
											27.0	2	74.9	133.3	150	141	881	147.7	175	158	895
											40.6	2	112.7	172.1	175	158	881	190.1	200	175	895
	230-3-60	41	304	41	304	4.2	24.8	25	173.44	13	None	-	-	134.1	175	142	881	147.1	175	157	894
											36.0	2	86.6	139.5	175	142	881	155.8	175	157	894
											54.0	2	129.9	161.2	175	178	881	177.4	200	193	894
	460-3-60	19.2	147	19.2	147	2.1	12.7	12.5	86.72	6.5	None	-	-	64.1	80	68	432	70.6	80	76	438
											36.0	2	43.3	69.8	80	68	432	77.9	80	76	438
											54.0	2	65.0	80.6	90	89	432	88.8	90	97	438
											72.0	2	86.6	102.2	110	114	432	110.4	125	121	438
											90.0	2	108.3	123.9	150	139	432	132.1	150	146	438
	575-3-60	16.7	122	16.7	122	1.6	8.8	10	71.77	5.2	None	-	-	54.0	70	57	351	59.2	75	63	356
											54.0	2	52.0	64.5	70	71	351	71.0	75	77	356
											72.0	2	69.3	81.8	90	91	351	88.3	90	97	356
											90.0	2	86.6	99.1	110	111	351	105.6	110	117	356
30	208-3-60	44.2	315	44.2	315	4	24.8	25	173.44	14.4	None	-	-	140.5	175	149	903	154.9	175	165	917
											27.0	2	74.9	140.5	175	149	903	154.9	175	165	917
											40.6	2	112.7	172.1	175	158	903	190.1	200	175	917
	230-3-60	44.2	315	44.2	315	4.2	24.8	25	173.44	13	None	-	-	141.3	175	150	903	154.3	175	165	916
											36.0	2	86.6	141.3	175	150	903	155.8	175	165	916
											54.0	2	129.9	161.2	175	178	903	177.4	200	193	916
	460-3-60	22.4	158	22.4	158	2.1	12.7	12.5	86.72	6.5	None	-	-	71.3	90	76	454	77.8	100	83	460
											36.0	2	43.3	71.3	90	76	454	77.9	100	83	460
											54.0	2	65.0	80.6	90	89	454	88.8	100	97	460
											72.0	2	86.6	102.2	110	114	454	110.4	125	121	460
											90.0	2	108.3	123.9	150	139	454	132.1	150	146	460
	575-3-60	18.6	136	18.6	136	1.6	8.8	10	71.77	5.2	None	-	-	58.3	75	62	379	63.5	80	68	384
											54.0	2	52.0	64.5	75	71	379	71.0	80	77	384
											72.0	2	69.3	81.8	90	91	379	88.3	90	97	384
											90.0	2	86.6	99.1	110	111	379	105.6	110	117	384
35	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	14.4	None	-	-	149.2	175	158	975	163.6	200	174	989
											27.0	2	74.9	149.2	175	158	975	163.6	200	174	989
											40.6	2	112.7	172.1	175	158	975	190.1	200	175	989
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	13	None	-	-	150.0	175	159	975	163.0	200	174	988
											36.0	2	86.6	150.0	175	159	975	163.0	200	174	988
											54.0	2	129.9	161.2	175	178	975	177.4	200	193	988
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	6.5	None	-	-	76.5	100	81	532	83.0	100	88	538
											36.0	2	43.3	76.5	100	81	532	83.0	100	88	538
											54.0	2	65.0	80.6	100	89	532	88.8	100	97	538
											72.0	2	86.6	102.2	110	114	532	110.4	125	121	538
											90.0	2	108.3	123.9	150	139	532	132.1	150	146	538
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	5.2	None	-	-	66.8	80	70	377	72.0	90	76	382
											54.0	2	52.0	66.8	80	71	377	72.0	90	77	382
											72.0	2	69.3	81.8	90	91	377	88.3	90	97	382
											90.0	2	86.6	99.1	110	111	377	105.6	110	117	382

Table 52: 27.5 ton to 50 ton constant volume medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	36	234	14.4	None	-	-	160.2	200	170	1035	174.6	200	187	1050
											40.6	2	112.7	185.9	200	171	1035	203.9	225	188	1050
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	13	None	-	-	161.0	200	171	1035	174.0	200	186	1048
											54.0	2	129.9	174.9	200	191	1035	191.2	200	206	1048
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	6.5	None	-	-	82.0	100	87	562	88.5	110	95	568
											54.0	2	65.0	87.5	100	95	562	95.6	110	103	568
											72.0	2	86.6	109.1	125	120	562	117.2	125	128	568
											90.0	2	108.3	130.8	150	145	562	138.9	150	153	568
											108.0	2	129.9	152.4	175	170	562	160.5	175	178	568
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	5.2	None	-	-	71.0	90	75	401	76.2	90	81	406
											54.0	2	52.0	71.0	90	76	401	76.3	90	82	406
											72.0	2	69.3	87.1	100	96	401	93.6	100	102	406
											90.0	2	86.6	104.4	110	116	401	110.9	125	122	406
											108.0	2	103.9	121.7	150	136	401	128.2	150	142	406
50	208-3-60	67.3	485	67.3	485	7.2	40.7	36	234	14.4	None	-	-	216.2	275	229	1367	230.6	275	246	1381
											40.6	2	112.7	216.2	275	229	1367	230.6	275	246	1381
	230-3-60	67.3	485	67.3	485	6.8	40.7	36	234	13	None	-	-	214.6	275	227	1367	227.6	275	242	1380
											54.0	2	129.9	214.6	275	227	1367	227.6	275	242	1380
	460-3-60	32.7	215	32.7	215	3.4	20.4	18	117	6.5	None	-	-	105.2	125	112	629	111.7	125	119	635
											54.0	2	65.0	105.2	125	112	629	111.7	125	119	635
											72.0	2	86.6	109.1	125	120	629	117.2	125	128	635
											90.0	2	108.3	130.8	150	145	629	138.9	150	153	635
											108.0	2	129.9	152.4	175	170	629	160.5	175	178	635
	575-3-60	26.3	175	26.3	175	2.7	16.4	14.2	95.94	5.2	None	-	-	84.2	110	89	512	89.4	110	95	517
											54.0	2	52.0	84.2	110	89	512	89.4	110	95	517
											72.0	2	69.3	87.1	110	96	512	93.6	110	102	517
											90.0	2	86.6	104.4	110	116	512	110.9	125	122	517
											108.0	2	103.9	121.7	150	136	512	128.2	150	142	517

Table 53: 27.5 ton to 50 ton constant volume medium static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120 V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	25	173.44	4	24.8	14.4	None	-	-	141.3	175	151	930	155.7	175	167	945
													27.0	2	74.9	141.3	175	151	930	155.7	175	167	945
													40.6	2	112.7	182.1	200	168	930	200.1	225	184	945
	230-3-60	41	304	41	304	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	142.5	175	152	930	155.5	175	167	943
													36.0	2	86.6	150.0	175	152	930	166.3	175	167	943
													54.0	2	129.9	171.7	175	188	930	187.9	200	203	943
	460-3-60	19.2	147	19.2	147	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	68.3	80	73	457	74.8	90	81	463
													36.0	2	43.3	75.0	80	73	457	83.1	90	81	463
													54.0	2	65.0	85.9	90	94	457	94.0	100	101	463
													72.0	2	86.6	107.5	110	119	457	115.6	125	126	463
													90.0	2	108.3	129.2	150	144	457	137.3	150	151	463
	575-3-60	16.7	122	16.7	122	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	57.2	70	61	369	62.4	75	67	374
													54.0	2	52.0	68.5	75	75	369	75.0	80	81	374
													72.0	2	69.3	85.8	90	95	369	92.3	100	101	374
													90.0	2	86.6	103.1	110	115	369	109.6	110	121	374

Table 53: 27.5 ton to 50 ton constant volume medium static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120 V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
30	208-3-60	44.2	315	44.2	315	4	24.8	25	173.44	4	24.8	14.4	None	-	-	148.5	175	158	952	162.9	200	175	967
													27.0	2	74.9	148.5	175	158	952	162.9	200	175	967
													40.6	2	112.7	182.1	200	168	952	200.1	225	184	967
	230-3-60	44.2	315	44.2	315	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	149.7	175	159	952	162.7	200	174	965
													36.0	2	86.6	150.0	175	159	952	166.3	200	174	965
													54.0	2	129.9	171.7	175	188	952	187.9	200	203	965
	460-3-60	22.4	158	22.4	158	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	75.5	90	80	479	82.0	100	88	485
													36.0	2	43.3	75.5	90	80	479	83.1	100	88	485
													54.0	2	65.0	85.9	90	94	479	94.0	100	101	485
													72.0	2	86.6	107.5	110	119	479	115.6	125	126	485
													90.0	2	108.3	129.2	150	144	479	137.3	150	151	485
	575-3-60	18.6	136	18.6	136	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	61.5	80	65	397	66.7	80	71	402
													54.0	2	52.0	68.5	80	75	397	75.0	80	81	402
													72.0	2	69.3	85.8	90	95	397	92.3	100	101	402
													90.0	2	86.6	103.1	110	115	397	109.6	110	121	402
35	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	4	24.8	14.4	None	-	-	157.2	200	167	1024	171.6	200	184	1039
													27.0	2	74.9	157.2	200	167	1024	171.6	200	184	1039
													40.6	2	112.7	182.1	200	168	1024	200.1	225	184	1039
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	158.4	200	168	1024	171.4	200	183	1037
													36.0	2	86.6	158.4	200	168	1024	171.4	200	183	1037
													54.0	2	129.9	171.7	200	188	1024	187.9	200	203	1037
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	80.7	100	86	557	87.2	110	93	563
													36.0	2	43.3	80.7	100	86	557	87.2	110	93	563
													54.0	2	65.0	85.9	100	94	557	94.0	110	101	563
													72.0	2	86.6	107.5	110	119	557	115.6	125	126	563
													90.0	2	108.3	129.2	150	144	557	137.3	150	151	563
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	70.0	90	74	395	75.2	90	80	400
													54.0	2	52.0	70.0	90	75	395	75.2	90	81	400
													72.0	2	69.3	85.8	90	95	395	92.3	100	101	400
													90.0	2	86.6	103.1	110	115	395	109.6	110	121	400
40	208-3-60	48.1	351	48.1	351	4	24.8	36	234	7.2	40.7	14.4	None	-	-	174.6	200	187	1117	189.0	225	204	1131
													40.6	2	112.7	203.9	225	188	1117	221.9	225	204	1131
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	6.8	40.7	13	None	-	-	174.6	200	187	1117	187.6	225	202	1130
													54.0	2	129.9	191.9	200	206	1117	208.2	225	221	1130
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	3.4	20.4	6.5	None	-	-	88.8	110	95	603	95.3	110	102	609
													54.0	2	65.0	96.0	110	103	603	104.1	110	111	609
													72.0	2	86.6	117.6	125	128	603	125.7	150	136	609
													90.0	2	108.3	139.3	150	153	603	147.4	150	161	609
													108.0	2	129.9	160.9	175	178	603	169.0	175	185	609
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	2.7	16.4	5.2	None	-	-	76.4	90	81	434	81.6	100	87	439
													54.0	2	52.0	76.5	90	82	434	83.0	100	88	439
													72.0	2	69.3	93.8	100	102	434	100.3	110	108	439
													90.0	2	86.6	111.1	125	122	434	117.6	125	128	439
													108.0	2	103.9	128.4	150	142	434	134.9	150	148	439
50	208-3-60	67.3	485	67.3	485	7.2	40.7	36	234	7.2	40.7	14.4	None	-	-	230.6	275	246	1448	245.0	300	262	1463
													40.6	2	112.7	230.6	275	246	1448	245.0	300	262	1463
	230-3-60	67.3	485	67.3	485	6.8	40.7	36	234	6.8	40.7	13	None	-	-	228.2	275	243	1448	241.2	300	258	1461
													54.0	2	129.9	228.2	275	243	1448	241.2	300	258	1461
	460-3-60	32.7	215	32.7	215	3.4	20.4	18	117	3.4	20.4	6.5	None	-	-	112.0	125	119	669	118.5	150	127	676
													54.0	2	65.0	112.0	125	119	669	118.5	150	127	676
													72.0	2	86.6	117.6	125	128	669	125.7	150	136	676
													90.0	2	108.3	139.3	150	153	669	147.4	150	161	676
													108.0	2	129.9	160.9	175	178	669	169.0	175	185	676
	575-3-60	26.3	175	26.3	175	2.7	16.4	14.2	95.94	2.7	16.4	5.2	None	-	-	89.6	110	95	544	94.8	110	101	550
													54.0	2	52.0	89.6	110	95	544	94.8	110	101	550
													72.0	2	69.3	93.8	110	102	544	100.3	110	108	550
													90.0	2	86.6	111.1	125	122	544	117.6	125	128	550
													108.0	2	103.9	128.4	150	142	544	134.9	150	148	550

Table 54: 27.5 ton to 50 ton constant volume medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120 V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	142.9	175	152	930	157.3	175	169	945
													27.0	2	74.9	142.9	175	152	930	157.3	175	169	945
													40.6	2	112.7	184.1	200	169	930	202.1	225	186	945
	230-3-60	41	304	41	304	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	143.7	175	153	930	156.7	175	168	943
													36.0	2	86.6	151.5	175	153	930	167.8	175	168	943
													54.0	2	129.9	173.2	175	189	930	189.4	200	204	943
	460-3-60	19.2	147	19.2	147	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	68.9	80	74	457	75.4	90	81	463
													36.0	2	43.3	75.8	80	74	457	83.9	90	81	463
													54.0	2	65.0	86.6	90	95	457	94.8	100	102	463
													72.0	2	86.6	108.2	110	119	457	116.4	125	127	463
													90.0	2	108.3	129.9	150	144	457	138.1	150	152	463
	575-3-60	16.7	122	16.7	122	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	58.9	75	63	369	64.1	80	69	374
													54.0	2	52.0	70.6	75	77	369	77.1	80	83	374
													72.0	2	69.3	87.9	90	97	369	94.4	100	103	374
													90.0	2	86.6	105.2	110	117	369	111.7	125	123	374
30	208-3-60	44.2	315	44.2	315	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	150.1	175	160	952	164.5	200	176	967
													27.0	2	74.9	150.1	175	160	952	164.5	200	176	967
													40.6	2	112.7	184.1	200	169	952	202.1	225	186	967
	230-3-60	44.2	315	44.2	315	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	150.9	175	161	952	163.9	200	176	965
													36.0	2	86.6	151.5	175	161	952	167.8	200	176	965
													54.0	2	129.9	173.2	175	189	952	189.4	200	204	965
	460-3-60	22.4	158	22.4	158	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	76.1	90	81	479	82.6	100	89	485
													36.0	2	43.3	76.1	90	81	479	83.9	100	89	485
													54.0	2	65.0	86.6	90	95	479	94.8	100	102	485
													72.0	2	86.6	108.2	110	119	479	116.4	125	127	485
													90.0	2	108.3	129.9	150	144	479	138.1	150	152	485
	575-3-60	18.6	136	18.6	136	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	63.2	80	67	397	68.4	80	73	402
													54.0	2	52.0	70.6	80	77	397	77.1	80	83	402
													72.0	2	69.3	87.9	90	97	397	94.4	100	103	402
													90.0	2	86.6	105.2	110	117	397	111.7	125	123	402
35	208-3-60	48.1	351	48.1	351	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	158.8	200	169	1024	173.2	200	185	1039
													27.0	2	74.9	158.8	200	169	1024	173.2	200	185	1039
													40.6	2	112.7	184.1	200	169	1024	202.1	225	186	1039
	230-3-60	48.1	351	48.1	351	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	159.6	200	170	1024	172.6	200	185	1037
													36.0	2	86.6	159.6	200	170	1024	172.6	200	185	1037
													54.0	2	129.9	173.2	200	189	1024	189.4	200	204	1037
	460-3-60	24.7	197	24.7	197	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	81.3	100	86	557	87.8	110	94	563
													36.0	2	43.3	81.3	100	86	557	87.8	110	94	563
													54.0	2	65.0	86.6	100	95	557	94.8	110	102	563
													72.0	2	86.6	108.2	110	119	557	116.4	125	127	563
													90.0	2	108.3	129.9	150	144	557	138.1	150	152	563
	575-3-60	22.4	135	22.4	135	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	71.7	90	76	395	76.9	90	82	400
													54.0	2	52.0	71.7	90	77	395	77.1	90	83	400
													72.0	2	69.3	87.9	90	97	395	94.4	100	103	400
													90.0	2	86.6	105.2	110	117	395	111.7	125	123	400

Table 54: 27.5 ton to 50 ton constant volume medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120 V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	36	234	15.2	40.7	14.4	None	-	-	175.4	200	188	1117	189.8	225	204	1131
													40.6	2	112.7	204.9	225	188	1117	222.9	225	205	1131
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	15.2	40.7	13	None	-	-	176.2	200	189	1117	189.2	225	204	1130
													54.0	2	129.9	193.9	225	208	1117	210.2	225	223	1130
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	8.2	20.4	6.5	None	-	-	90.2	110	97	603	96.7	110	104	609
													54.0	2	65.0	97.8	110	105	603	105.9	110	112	609
													72.0	2	86.6	119.4	125	130	603	127.5	150	137	609
													90.0	2	108.3	141.1	150	155	603	149.2	150	162	609
													108.0	2	129.9	162.7	175	180	603	170.8	175	187	609
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	6.1	16.4	5.2	None	-	-	77.1	90	82	434	82.3	100	88	439
													54.0	2	52.0	77.4	90	83	434	83.9	100	89	439
													72.0	2	69.3	94.7	100	103	434	101.2	110	109	439
													90.0	2	86.6	112.0	125	123	434	118.5	125	129	439
													108.0	2	103.9	129.3	150	143	434	135.8	150	149	439
50	208-3-60	67.3	485	67.3	485	7.2	40.7	36	234	15.2	40.7	14.4	None	-	-	231.4	275	247	1448	245.8	300	263	1463
													40.6	2	112.7	231.4	275	247	1448	245.8	300	263	1463
	230-3-60	67.3	485	67.3	485	6.8	40.7	36	234	15.2	40.7	13	None	-	-	229.8	275	245	1448	242.8	300	260	1461
													54.0	2	129.9	229.8	275	245	1448	242.8	300	260	1461
	460-3-60	32.7	215	32.7	215	3.4	20.4	18	117	8.2	20.4	6.5	None	-	-	113.4	125	121	669	119.9	150	128	676
													54.0	2	65.0	113.4	125	121	669	119.9	150	128	676
													72.0	2	86.6	119.4	125	130	669	127.5	150	137	676
													90.0	2	108.3	141.1	150	155	669	149.2	150	162	676
													108.0	2	129.9	162.7	175	180	669	170.8	175	187	676
	575-3-60	26.3	175	26.3	175	2.7	16.4	14.2	95.94	6.1	16.4	5.2	None	-	-	90.3	110	96	544	95.5	110	102	550
													54.0	2	52.0	90.3	110	96	544	95.5	110	102	550
													72.0	2	69.3	94.7	110	103	544	101.2	110	109	550
													90.0	2	86.6	112.0	125	123	544	118.5	125	129	550
													108.0	2	103.9	129.3	150	143	544	135.8	150	149	550

Constant volume high static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 55: 27.5 ton to 50 ton constant volume high static without power exhaust

Size (Tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	36	234	14.4	None	-	-	144.3	175	154	941	158.7	175	171	956
											27.0	2	74.9	144.3	175	154	941	158.7	175	171	956
											40.6	2	112.7	185.9	200	171	941	203.9	225	188	956
	230-3-60	41	304	41	304	4.2	24.8	36	234	13	None	-	-	145.1	175	155	941	158.1	175	170	954
											36.0	2	86.6	153.3	175	155	941	169.5	175	170	954
											54.0	2	129.9	174.9	200	191	941	191.2	200	206	954
	460-3-60	19.2	147	19.2	147	2.1	12.7	18	117	6.5	None	-	-	69.6	80	75	462	76.1	90	82	468
											36.0	2	43.3	76.6	80	75	462	84.8	90	82	468
											54.0	2	65.0	87.5	100	95	462	95.6	110	103	468
											72.0	2	86.6	109.1	125	120	462	117.2	125	128	468
											90.0	2	108.3	130.8	150	145	462	138.9	150	153	468
	575-3-60	16.7	122	16.7	122	1.6	8.8	14.2	95.94	5.2	None	-	-	58.2	70	62	375	63.4	80	68	380
											54.0	2	52.0	69.8	80	76	375	76.3	80	82	380
											72.0	2	69.3	87.1	100	96	375	93.6	100	102	380
											90.0	2	86.6	104.4	110	116	375	110.9	125	122	380
30	208-3-60	44.2	315	44.2	315	4	24.8	36	234	14.4	None	-	-	151.5	175	161	963	165.9	200	178	978
											27.0	2	74.9	151.5	175	161	963	165.9	200	178	978
											40.6	2	112.7	185.9	200	171	963	203.9	225	188	978
	230-3-60	44.2	315	44.2	315	4.2	24.8	36	234	13	None	-	-	152.3	175	162	963	165.3	200	177	976
											36.0	2	86.6	153.3	175	162	963	169.5	200	177	976
											54.0	2	129.9	174.9	200	191	963	191.2	200	206	976
	460-3-60	22.4	158	22.4	158	2.1	12.7	18	117	6.5	None	-	-	76.8	90	82	484	83.3	100	89	490
											36.0	2	43.3	76.8	90	82	484	84.8	100	89	490
											54.0	2	65.0	87.5	100	95	484	95.6	110	103	490
											72.0	2	86.6	109.1	125	120	484	117.2	125	128	490
											90.0	2	108.3	130.8	150	145	484	138.9	150	153	490
	575-3-60	18.6	136	18.6	136	1.6	8.8	14.2	95.94	5.2	None	-	-	62.5	80	66	403	67.7	80	72	408
											54.0	2	52.0	69.8	80	76	403	76.3	80	82	408
											72.0	2	69.3	87.1	100	96	403	93.6	100	102	408
											90.0	2	86.6	104.4	110	116	403	110.9	125	122	408
35	208-3-60	48.1	351	48.1	351	4	24.8	36	234	14.4	None	-	-	160.2	200	170	1035	174.6	200	187	1050
											27.0	2	74.9	160.2	200	170	1035	174.6	200	187	1050
											40.6	2	112.7	185.9	200	171	1035	203.9	225	188	1050
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	13	None	-	-	161.0	200	171	1035	174.0	200	186	1048
											36.0	2	86.6	161.0	200	171	1035	174.0	200	186	1048
											54.0	2	129.9	174.9	200	191	1035	191.2	200	206	1048
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	6.5	None	-	-	82.0	100	87	562	88.5	110	95	568
											36.0	2	43.3	82.0	100	87	562	88.5	110	95	568
											54.0	2	65.0	87.5	100	95	562	95.6	110	103	568
											72.0	2	86.6	109.1	125	120	562	117.2	125	128	568
											90.0	2	108.3	130.8	150	145	562	138.9	150	153	568
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	5.2	None	-	-	71.0	90	75	401	76.2	90	81	406
											54.0	2	52.0	71.0	90	76	401	76.3	90	82	406
											72.0	2	69.3	87.1	100	96	401	93.6	100	102	406
											90.0	2	86.6	104.4	110	116	401	110.9	125	122	406

Table 55: 27.5 ton to 50 ton constant volume high static without power exhaust

Size (Tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	48	312	14.4	None	-	-	172.2	200	184	1113	186.6	225	201	1128
											40.6	2	112.7	200.9	225	185	1113	218.9	225	201	1128
	230-3-60	48.1	351	48.1	351	4.2	24.8	48	312	13	None	-	-	173.0	200	185	1113	186.0	225	200	1126
											54.0	2	129.9	189.9	225	205	1113	206.2	250	220	1126
	460-3-60	24.7	197	24.7	197	2.1	12.7	24	156	6.5	None	-	-	88.0	110	94	601	94.5	110	102	607
											54.0	2	65.0	95.0	110	102	601	103.1	125	110	607
											72.0	2	86.6	116.6	125	127	601	124.7	125	135	607
											90.0	2	108.3	138.3	150	152	601	146.4	150	160	607
											108.0	2	129.9	159.9	175	177	601	168.0	175	184	607
	575-3-60	22.4	135	22.4	135	1.6	8.8	19.1	126	5.2	None	-	-	75.9	90	81	431	81.1	100	87	436
											54.0	2	52.0	75.9	90	82	431	82.4	100	88	436
											72.0	2	69.3	93.2	110	102	431	99.7	110	108	436
											90.0	2	86.6	110.5	125	122	431	117.0	125	128	436
											108.0	2	103.9	127.8	150	141	431	134.3	150	147	436
50	208-3-60	67.3	485	67.3	485	7.2	40.7	48	312	14.4	None	-	-	228.2	275	243	1445	242.6	300	260	1459
											40.6	2	112.7	228.2	275	243	1445	242.6	300	260	1459
	230-3-60	67.3	485	67.3	485	6.8	40.7	48	312	13	None	-	-	226.6	275	241	1445	239.6	300	256	1458
											54.0	2	129.9	226.6	275	241	1445	239.6	300	256	1458
	460-3-60	32.7	215	32.7	215	3.4	20.4	24	156	6.5	None	-	-	111.2	125	118	668	117.7	150	126	674
											54.0	2	65.0	111.2	125	118	668	117.7	150	126	674
											72.0	2	86.6	116.6	125	127	668	124.7	150	135	674
											90.0	2	108.3	138.3	150	152	668	146.4	150	160	674
											108.0	2	129.9	159.9	175	177	668	168.0	175	184	674
	575-3-60	26.3	175	26.3	175	2.7	16.4	19.1	126	5.2	None	-	-	89.1	110	95	542	94.3	110	101	547
											54.0	2	52.0	89.1	110	95	542	94.3	110	101	547
											72.0	2	69.3	93.2	110	102	542	99.7	110	108	547
											90.0	2	86.6	110.5	125	122	542	117.0	125	128	547
											108.0	2	103.9	127.8	150	141	542	134.3	150	147	547

Table 56: 27.5 ton to 50 ton constant volume high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	36	234	4	24.8	14.4	None	-	-	152.3	175	163	991	166.7	200	180	1005
													27.0	2	74.9	152.3	175	163	991	166.7	200	180	1005
													40.6	2	112.7	195.9	200	180	991	213.9	225	197	1005
	230-3-60	41	304	41	304	4.2	24.8	36	234	4.2	24.8	13	None	-	-	153.5	175	165	991	166.5	200	180	1004
													36.0	2	86.6	163.8	175	165	991	180.0	200	180	1004
													54.0	2	129.9	185.4	200	200	991	201.7	225	215	1004
	460-3-60	19.2	147	19.2	147	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	73.8	90	79	487	80.3	90	87	494
													36.0	2	43.3	81.9	90	79	487	90.0	90	87	494
													54.0	2	65.0	92.8	100	100	487	100.9	110	108	494
													72.0	2	86.6	114.4	125	125	487	122.5	125	133	494
													90.0	2	108.3	136.1	150	150	487	144.2	150	158	494
	575-3-60	16.7	122	16.7	122	1.6	8.8	14.2	95.94	1.6	8.8	5.2	None	-	-	61.4	75	66	393	66.6	80	72	398
													54.0	2	52.0	73.8	80	80	393	80.3	90	86	398
													72.0	2	69.3	91.1	100	100	393	97.6	100	106	398
													90.0	2	86.6	108.4	110	120	393	114.9	125	126	398

Table 56: 27.5 ton to 50 ton constant volume high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
30	208-3-60	44.2	315	44.2	315	4	24.8	36	234	4	24.8	14.4	None	-	-	159.5	200	171	1013	173.9	200	187	1027
													27.0	2	74.9	159.5	200	171	1013	173.9	200	187	1027
													40.6	2	112.7	195.9	200	180	1013	213.9	225	197	1027
	230-3-60	44.2	315	44.2	315	4.2	24.8	36	234	4.2	24.8	13	None	-	-	160.7	200	172	1013	173.7	200	187	1026
													36.0	2	86.6	163.8	200	172	1013	180.0	200	187	1026
													54.0	2	129.9	185.4	200	200	1013	201.7	225	215	1026
	460-3-60	22.4	158	22.4	158	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	81.0	100	87	509	87.5	100	94	516
													36.0	2	43.3	81.9	100	87	509	90.0	100	94	516
													54.0	2	65.0	92.8	100	100	509	100.9	110	108	516
													72.0	2	86.6	114.4	125	125	509	122.5	125	133	516
													90.0	2	108.3	136.1	150	150	509	144.2	150	158	516
	575-3-60	18.6	136	18.6	136	1.6	8.8	14.2	95.94	1.6	8.8	5.2	None	-	-	65.7	80	70	421	70.9	80	76	426
													54.0	2	52.0	73.8	80	80	421	80.3	90	86	426
													72.0	2	69.3	91.1	100	100	421	97.6	100	106	426
													90.0	2	86.6	108.4	110	120	421	114.9	125	126	426
35	208-3-60	48.1	351	48.1	351	4	24.8	36	234	4	24.8	14.4	None	-	-	168.2	200	180	1085	182.6	225	196	1099
													27.0	2	74.9	168.2	200	180	1085	182.6	225	196	1099
													40.6	2	112.7	195.9	200	180	1085	213.9	225	197	1099
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	4.2	24.8	13	None	-	-	169.4	200	181	1085	182.4	225	196	1098
													36.0	2	86.6	169.4	200	181	1085	182.4	225	196	1098
													54.0	2	129.9	185.4	200	200	1085	201.7	225	215	1098
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	86.2	110	92	587	92.7	110	99	594
													36.0	2	43.3	86.2	110	92	587	92.7	110	99	594
													54.0	2	65.0	92.8	110	100	587	100.9	110	108	594
													72.0	2	86.6	114.4	125	125	587	122.5	125	133	594
													90.0	2	108.3	136.1	150	150	587	144.2	150	158	594
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	1.6	8.8	5.2	None	-	-	74.2	90	79	419	79.4	100	85	424
													54.0	2	52.0	74.2	90	80	419	80.3	100	86	424
													72.0	2	69.3	91.1	100	100	419	97.6	100	106	424
													90.0	2	86.6	108.4	110	120	419	114.9	125	126	424
40	208-3-60	48.1	351	48.1	351	4	24.8	48	312	7.2	40.7	14.4	None	-	-	186.6	225	201	1195	201.0	225	217	1209
													40.6	2	112.7	218.9	225	201	1195	236.9	250	218	1209
	230-3-60	48.1	351	48.1	351	4.2	24.8	48	312	6.8	40.7	13	None	-	-	186.6	225	201	1195	199.6	225	216	1208
													54.0	2	129.9	206.9	250	220	1195	223.2	250	235	1208
	460-3-60	24.7	197	24.7	197	2.1	12.7	24	156	3.4	20.4	6.5	None	-	-	94.8	110	102	642	101.3	125	109	648
													54.0	2	65.0	103.5	125	110	642	111.6	125	118	648
													72.0	2	86.6	125.1	150	135	642	133.2	150	142	648
													90.0	2	108.3	146.8	150	160	642	154.9	175	167	648
													108.0	2	129.9	168.4	175	185	642	176.5	200	192	648
	575-3-60	22.4	135	22.4	135	1.6	8.8	19.1	126	2.7	16.4	5.2	None	-	-	81.3	100	87	464	86.5	100	93	469
													54.0	2	52.0	82.6	100	88	464	89.1	100	94	469
													72.0	2	69.3	99.9	110	108	464	106.4	110	114	469
													90.0	2	86.6	117.2	125	128	464	123.7	125	134	469
													108.0	2	103.9	134.5	150	148	464	141.0	150	154	469
50	208-3-60	67.3	485	67.3	485	7.2	40.7	48	312	7.2	40.7	14.4	None	-	-	242.6	300	260	1526	257.0	300	276	1541
													40.6	2	112.7	242.6	300	260	1526	257.0	300	276	1541
	230-3-60	67.3	485	67.3	485	6.8	40.7	48	312	6.8	40.7	13	None	-	-	240.2	300	257	1526	253.2	300	272	1539
													54.0	2	129.9	240.2	300	257	1526	253.2	300	272	1539
	460-3-60	32.7	215	32.7	215	3.4	20.4	24	156	3.4	20.4	6.5	None	-	-	118.0	150	126	708	124.5	150	134	715
													54.0	2	65.0	118.0	150	126	708	124.5	150	134	715
													72.0	2	86.6	125.1	150	135	708	133.2	150	142	715
													90.0	2	108.3	146.8	150	160	708	154.9	175	167	715
													108.0	2	129.9	168.4	175	185	708	176.5	200	192	715
	575-3-60	26.3	175	26.3	175	2.7	16.4	19.1	126	2.7	16.4	5.2	None	-	-	94.5	110	101	574	99.7	125	107	580
													54.0	2	52.0	94.5	110	101	574	99.7	125	107	580
													72.0	2	69.3	99.9	110	108	574	106.4	125	114	580
													90.0	2	86.6	117.2	125	128	574	123.7	125	134	580
													108.0	2	103.9	134.5	150	148	574	141.0	150	154	580

Table 57: 27.5 ton to 50 ton constant volume high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	36	234	9.6	24.8	14.4	None	-	-	153.9	175	165	991	168.3	200	182	1005
													27.0	2	74.9	153.9	175	165	991	168.6	200	182	1005
													40.6	2	112.7	197.9	200	182	991	215.9	225	199	1005
	230-3-60	41	304	41	304	4.2	24.8	36	234	9.6	24.8	13	None	-	-	154.7	175	166	991	167.7	200	181	1004
													36.0	2	86.6	165.3	175	166	991	181.5	200	181	1004
													54.0	2	129.9	186.9	200	202	991	203.2	225	217	1004
	460-3-60	19.2	147	19.2	147	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	74.4	90	80	487	80.9	100	88	494
													36.0	2	43.3	82.6	90	80	487	90.8	100	88	494
													54.0	2	65.0	93.5	110	101	487	101.6	110	108	494
													72.0	2	86.6	115.1	125	126	487	123.2	125	133	494
													90.0	2	108.3	136.8	150	151	487	144.9	150	158	494
	575-3-60	16.7	122	16.7	122	1.6	8.8	14.2	95.94	4.9	8.8	5.2	None	-	-	63.1	75	68	393	68.3	80	74	398
													54.0	2	52.0	75.9	80	82	393	82.4	90	88	398
													72.0	2	69.3	93.2	100	102	393	99.7	110	108	398
													90.0	2	86.6	110.5	125	122	393	117.0	125	128	398
30	208-3-60	44.2	315	44.2	315	4	24.8	36	234	9.6	24.8	14.4	None	-	-	161.1	200	173	1013	175.5	200	189	1027
													27.0	2	74.9	161.1	200	173	1013	175.5	200	189	1027
													40.6	2	112.7	197.9	200	182	1013	215.9	225	199	1027
	230-3-60	44.2	315	44.2	315	4.2	24.8	36	234	9.6	24.8	13	None	-	-	161.9	200	173	1013	174.9	200	188	1026
													36.0	2	86.6	165.3	200	173	1013	181.5	200	188	1026
													54.0	2	129.9	186.9	200	202	1013	203.2	225	217	1026
	460-3-60	22.4	158	22.4	158	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	81.6	100	87	509	88.1	110	95	516
													36.0	2	43.3	82.6	100	87	509	90.8	110	95	516
													54.0	2	65.0	93.5	110	101	509	101.6	110	108	516
													72.0	2	86.6	115.1	125	126	509	123.2	125	133	516
													90.0	2	108.3	136.8	150	151	509	144.9	150	158	516
	575-3-60	18.6	136	18.6	136	1.6	8.8	14.2	95.94	4.9	8.8	5.2	None	-	-	67.4	80	72	421	72.6	90	78	426
													54.0	2	52.0	75.9	80	82	421	82.4	90	88	426
													72.0	2	69.3	93.2	100	102	421	99.7	110	108	426
													90.0	2	86.6	110.5	125	122	421	117.0	125	128	426
35	208-3-60	48.1	351	48.1	351	4	24.8	36	234	9.6	24.8	14.4	None	-	-	169.8	200	181	1085	184.2	225	198	1099
													27.0	2	74.9	169.8	200	181	1085	184.2	225	198	1099
													40.6	2	112.7	197.9	200	182	1085	215.9	225	199	1099
	230-3-60	48.1	351	48.1	351	4.2	24.8	36	234	9.6	24.8	13	None	-	-	170.6	200	182	1085	183.6	225	197	1098
													36.0	2	86.6	170.6	200	182	1085	183.6	225	197	1098
													54.0	2	129.9	186.9	200	202	1085	203.2	225	217	1098
	460-3-60	24.7	197	24.7	197	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	86.8	110	93	587	93.3	110	100	594
													36.0	2	43.3	86.8	110	93	587	93.3	110	100	594
													54.0	2	65.0	93.5	110	101	587	101.6	110	108	594
													72.0	2	86.6	115.1	125	126	587	123.2	125	133	594
													90.0	2	108.3	136.8	150	151	587	144.9	150	158	594
	575-3-60	22.4	135	22.4	135	1.6	8.8	14.2	95.94	4.9	8.8	5.2	None	-	-	75.9	90	81	419	81.1	100	87	424
													54.0	2	52.0	75.9	90	82	419	82.4	100	88	424
													72.0	2	69.3	93.2	100	102	419	99.7	110	108	424
													90.0	2	86.6	110.5	125	122	419	117.0	125	128	424

Table 57: 27.5 ton to 50 ton constant volume high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	48	312	15.2	40.7	14.4	None	-	-	187.4	225	202	1195	201.8	225	218	1209
													40.6	2	112.7	219.9	225	202	1195	237.9	250	219	1209
	230-3-60	48.1	351	48.1	351	4.2	24.8	48	312	15.2	40.7	13	None	-	-	188.2	225	203	1195	201.2	225	218	1208
													54.0	2	129.9	208.9	250	222	1195	225.2	250	237	1208
	460-3-60	24.7	197	24.7	197	2.1	12.7	24	156	8.2	20.4	6.5	None	-	-	96.2	110	104	642	102.7	125	111	648
													54.0	2	65.0	105.3	125	112	642	113.4	125	119	648
													72.0	2	86.6	126.9	150	137	642	135.0	150	144	648
													90.0	2	108.3	148.6	150	162	642	156.7	175	169	648
													108.0	2	129.9	170.2	175	186	642	178.3	200	194	648
	575-3-60	22.4	135	22.4	135	1.6	8.8	19.1	126	6.1	16.4	5.2	None	-	-	82.0	100	88	464	87.2	100	94	469
													54.0	2	52.0	83.5	100	89	464	90.0	100	95	469
													72.0	2	69.3	100.8	110	109	464	107.3	110	115	469
													90.0	2	86.6	118.1	125	129	464	124.6	125	135	469
													108.0	2	103.9	135.4	150	148	464	141.9	150	154	469
50	208-3-60	67.3	485	67.3	485	7.2	40.7	48	312	15.2	40.7	14.4	None	-	-	243.4	300	261	1526	257.8	325	277	1541
													40.6	2	112.7	243.4	300	261	1526	257.8	325	277	1541
	230-3-60	67.3	485	67.3	485	6.8	40.7	48	312	15.2	40.7	13	None	-	-	241.8	300	259	1526	254.8	300	274	1539
													54.0	2	129.9	241.8	300	259	1526	254.8	300	274	1539
	460-3-60	32.7	215	32.7	215	3.4	20.4	24	156	8.2	20.4	6.5	None	-	-	119.4	150	128	708	125.9	150	135	715
													54.0	2	65.0	119.4	150	128	708	125.9	150	135	715
													72.0	2	86.6	126.9	150	137	708	135.0	150	144	715
													90.0	2	108.3	148.6	150	162	708	156.7	175	169	715
													108.0	2	129.9	170.2	175	186	708	178.3	200	194	715
	575-3-60	26.3	175	26.3	175	2.7	16.4	19.1	126	6.1	16.4	5.2	None	-	-	95.2	110	102	574	100.4	125	108	580
													54.0	2	52.0	95.2	110	102	574	100.4	125	108	580
													72.0	2	69.3	100.8	110	109	574	107.3	125	115	580
													90.0	2	86.6	118.1	125	129	574	124.6	125	135	580
													108.0	2	103.9	135.4	150	148	574	141.9	150	154	580

VFD 2-stage standard static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 58: 27.5 ton to 50 ton VFD 2-Stage standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	22	144.4	14.4	None	-	-	130.3	150	138	852	144.7	175	155	866
											27.0	2	74.9	130.3	150	138	852	144.7	175	155	866
											40.6	2	112.7	168.4	175	155	852	186.4	200	171	866
	230-3-60	41	304	41	304	4.2	24.8	22	144.4	13	None	-	-	131.1	150	139	852	144.1	175	154	865
											36.0	2	86.6	135.8	150	139	852	152.0	175	154	865
											54.0	2	129.9	157.4	175	175	852	173.7	175	190	865
	460-3-60	19.2	147	19.2	147	2.1	12.7	11	72.2	6.5	None	-	-	62.6	80	66	417	69.1	80	74	424
											36.0	2	43.3	67.9	80	66	417	76.0	80	74	424
											54.0	2	65.0	78.8	90	87	417	86.9	90	95	424
											72.0	2	86.6	100.4	110	112	417	108.5	110	120	424
											90.0	2	108.3	122.1	150	137	417	130.2	150	145	424
	575-3-60	16.7	122	16.7	122	1.6	8.8	9	59.1	5.2	None	-	-	53.0	60	56	338	58.2	70	62	344
											54.0	2	52.0	63.3	70	70	338	69.8	75	76	344
											72.0	2	69.3	80.6	90	90	338	87.1	90	96	344
											90.0	2	86.6	97.9	110	110	338	104.4	110	116	344
30	208-3-60	44.2	315	44.2	315	4	24.8	22	144.4	14.4	None	-	-	137.5	175	145	874	151.9	175	162	888
											27.0	2	74.9	137.5	175	145	874	151.9	175	162	888
											40.6	2	112.7	168.4	175	155	874	186.4	200	171	888
	230-3-60	44.2	315	44.2	315	4.2	24.8	22	144.4	13	None	-	-	138.3	175	146	874	151.3	175	161	887
											36.0	2	86.6	138.3	175	146	874	152.0	175	161	887
											54.0	2	129.9	157.4	175	175	874	173.7	175	190	887
	460-3-60	22.4	158	22.4	158	2.1	12.7	11	72.2	6.5	None	-	-	69.8	90	74	439	76.3	90	81	446
											36.0	2	43.3	69.8	90	74	439	76.3	90	81	446
											54.0	2	65.0	78.8	90	87	439	86.9	90	95	446
											72.0	2	86.6	100.4	110	112	439	108.5	110	120	446
											90.0	2	108.3	122.1	150	137	439	130.2	150	145	446
	575-3-60	18.6	136	18.6	136	1.6	8.8	9	59.1	5.2	None	-	-	57.3	75	60	366	62.5	80	66	372
											54.0	2	52.0	63.3	75	70	366	69.8	80	76	372
											72.0	2	69.3	80.6	90	90	366	87.1	90	96	372
											90.0	2	86.6	97.9	110	110	366	104.4	110	116	372
35	208-3-60	48.1	351	48.1	351	4	24.8	22	144.4	14.4	None	-	-	146.2	175	154	946	160.6	200	171	960
											27.0	2	74.9	146.2	175	154	946	160.6	200	171	960
											40.6	2	112.7	168.4	175	155	946	186.4	200	171	960
	230-3-60	48.1	351	48.1	351	4.2	24.8	22	144.4	13	None	-	-	147.0	175	155	946	160.0	200	170	959
											36.0	2	86.6	147.0	175	155	946	160.0	200	170	959
											54.0	2	129.9	157.4	175	175	946	173.7	200	190	959
	460-3-60	24.7	197	24.7	197	2.1	12.7	11	72.2	6.5	None	-	-	75.0	90	79	517	81.5	100	87	524
											36.0	2	43.3	75.0	90	79	517	81.5	100	87	524
											54.0	2	65.0	78.8	90	87	517	86.9	100	95	524
											72.0	2	86.6	100.4	110	112	517	108.5	110	120	524
											90.0	2	108.3	122.1	150	137	517	130.2	150	145	524
	575-3-60	22.4	135	22.4	135	1.6	8.8	9	59.1	5.2	None	-	-	65.8	80	69	364	71.0	90	75	370
											54.0	2	52.0	65.8	80	70	364	71.0	90	76	370
											72.0	2	69.3	80.6	90	90	364	87.1	90	96	370
											90.0	2	86.6	97.9	110	110	364	104.4	110	116	370

Table 58: 27.5 ton to 50 ton VFD 2-Stage standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	14.4	None	-	-	152.2	200	161	975	166.6	200	178	989
											40.6	2	112.7	175.9	200	162	975	193.9	200	178	989
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	13	None	-	-	153.0	200	162	975	166.0	200	177	988
											54.0	2	129.9	164.9	200	182	975	181.2	200	197	988
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	6.5	None	-	-	78.0	100	83	532	84.5	100	90	538
											54.0	2	65.0	82.5	100	91	532	90.6	100	98	538
											72.0	2	86.6	104.1	110	116	532	112.2	125	123	538
											90.0	2	108.3	125.8	150	141	532	133.9	150	148	538
											108.0	2	129.9	147.4	175	165	532	155.5	175	173	538
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	5.2	None	-	-	67.8	90	72	377	73.0	90	78	382
											54.0	2	52.0	67.8	90	72	377	73.0	90	78	382
											72.0	2	69.3	83.1	90	92	377	89.6	90	98	382
											90.0	2	86.6	100.4	110	112	377	106.9	110	118	382
											108.0	2	103.9	117.7	150	132	377	124.2	150	138	382
50	208-3-60	67.3	485	67.3	485	7.2	40.7	28	173.4	14.4	None	-	-	208.2	275	220	1306	222.6	275	237	1321
											40.6	2	112.7	208.2	275	220	1306	222.6	275	237	1321
	230-3-60	67.3	485	67.3	485	6.8	40.7	28	173.4	13	None	-	-	206.6	250	218	1306	219.6	275	233	1319
											54.0	2	129.9	206.6	250	218	1306	219.6	275	233	1319
	460-3-60	32.7	215	32.7	215	3.4	20.4	14	86.7	6.5	None	-	-	101.2	125	107	598	107.7	125	114	605
											54.0	2	65.0	101.2	125	107	598	107.7	125	114	605
											72.0	2	86.6	104.1	125	116	598	112.2	125	123	605
											90.0	2	108.3	125.8	150	141	598	133.9	150	148	605
											108.0	2	129.9	147.4	175	165	598	155.5	175	173	605
	575-3-60	26.3	175	26.3	175	2.7	16.4	11	71.8	5.2	None	-	-	81.0	100	86	487	86.2	110	92	493
											54.0	2	52.0	81.0	100	86	487	86.2	110	92	493
											72.0	2	69.3	83.1	100	92	487	89.6	110	98	493
											90.0	2	86.6	100.4	110	112	487	106.9	110	118	493
											108.0	2	103.9	117.7	150	132	487	124.2	150	138	493

Table 59: 27.5 ton to 50 ton VFD 2-stage standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	22	144.4	4	24.8	14.4	None	-	-	138.3	175	147	901	152.7	175	164	916
													27.0	2	74.9	138.3	175	147	901	152.7	175	164	916
													40.6	2	112.7	178.4	200	164	901	196.4	200	181	916
	230-3-60	41	304	41	304	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	139.5	175	149	901	152.5	175	164	914
													36.0	2	86.6	146.3	175	149	901	162.5	175	164	914
													54.0	2	129.9	167.9	175	184	901	184.2	200	199	914
	460-3-60	19.2	147	19.2	147	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	66.8	80	71	442	73.3	90	79	449
													36.0	2	43.3	73.1	80	71	442	81.3	90	79	449
													54.0	2	65.0	84.0	90	92	442	92.1	100	100	449
													72.0	2	86.6	105.6	110	117	442	113.7	125	125	449
													90.0	2	108.3	127.3	150	142	442	135.4	150	150	449
	575-3-60	16.7	122	16.7	122	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	56.2	70	60	356	61.4	75	66	361
													54.0	2	52.0	67.3	75	74	356	73.8	80	80	361
													72.0	2	69.3	84.6	90	94	356	91.1	100	100	361
													90.0	2	86.6	101.9	110	114	356	108.4	110	120	361

Table 59: 27.5 ton to 50 ton VFD 2-stage standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
30	208-3-60	44.2	315	44.2	315	4	24.8	22	144.4	4	24.8	14.4	None	-	-	145.5	175	155	923	159.9	200	171	938
													27.0	2	74.9	145.5	175	155	923	159.9	200	171	938
													40.6	2	112.7	178.4	200	164	923	196.4	200	181	938
	230-3-60	44.2	315	44.2	315	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	146.7	175	156	923	159.7	200	171	936
													36.0	2	86.6	146.7	175	156	923	162.5	200	171	936
													54.0	2	129.9	167.9	175	184	923	184.2	200	199	936
	460-3-60	22.4	158	22.4	158	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	74.0	90	79	464	80.5	100	86	471
													36.0	2	43.3	74.0	90	79	464	81.3	100	86	471
													54.0	2	65.0	84.0	90	92	464	92.1	100	100	471
													72.0	2	86.6	105.6	110	117	464	113.7	125	125	471
													90.0	2	108.3	127.3	150	142	464	135.4	150	150	471
	575-3-60	18.6	136	18.6	136	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	60.5	75	64	384	65.7	80	70	389
													54.0	2	52.0	67.3	75	74	384	73.8	80	80	389
													72.0	2	69.3	84.6	90	94	384	91.1	100	100	389
													90.0	2	86.6	101.9	110	114	384	108.4	110	120	389
35	208-3-60	48.1	351	48.1	351	4	24.8	22	144.4	4	24.8	14.4	None	-	-	154.2	200	164	995	168.6	200	180	1010
													27.0	2	74.9	154.2	200	164	995	168.6	200	180	1010
													40.6	2	112.7	178.4	200	164	995	196.4	200	181	1010
	230-3-60	48.1	351	48.1	351	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	155.4	200	165	995	168.4	200	180	1008
													36.0	2	86.6	155.4	200	165	995	168.4	200	180	1008
													54.0	2	129.9	167.9	200	184	995	184.2	200	199	1008
	460-3-60	24.7	197	24.7	197	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	79.2	100	84	542	85.7	110	91	549
													36.0	2	43.3	79.2	100	84	542	85.7	110	91	549
													54.0	2	65.0	84.0	100	92	542	92.1	110	100	549
													72.0	2	86.6	105.6	110	117	542	113.7	125	125	549
													90.0	2	108.3	127.3	150	142	542	135.4	150	150	549
	575-3-60	22.4	135	22.4	135	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	69.0	90	73	382	74.2	90	79	387
													54.0	2	52.0	69.0	90	74	382	74.2	90	80	387
													72.0	2	69.3	84.6	90	94	382	91.1	100	100	387
													90.0	2	86.6	101.9	110	114	382	108.4	110	120	387
40	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	7.2	40.7	14.4	None	-	-	166.6	200	178	1056	181.0	225	194	1070
													40.6	2	112.7	193.9	200	178	1056	211.9	225	195	1070
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	6.8	40.7	13	None	-	-	166.6	200	178	1056	179.6	225	193	1069
													54.0	2	129.9	181.9	200	197	1056	198.2	225	212	1069
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	3.4	20.4	6.5	None	-	-	84.8	100	90	572	91.3	110	98	579
													54.0	2	65.0	91.0	100	99	572	99.1	110	106	579
													72.0	2	86.6	112.6	125	124	572	120.7	125	131	579
													90.0	2	108.3	134.3	150	148	572	142.4	150	156	579
													108.0	2	129.9	155.9	175	173	572	164.0	175	181	579
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	2.7	16.4	5.2	None	-	-	73.2	90	78	410	78.4	100	84	415
													54.0	2	52.0	73.2	90	79	410	79.0	100	85	415
													72.0	2	69.3	89.8	90	99	410	96.3	100	105	415
													90.0	2	86.6	107.1	110	118	410	113.6	125	124	415
													108.0	2	103.9	124.4	150	138	410	130.9	150	144	415
50	208-3-60	67.3	485	67.3	485	7.2	40.7	28	173.4	7.2	40.7	14.4	None	-	-	222.6	275	237	1388	237.0	300	253	1402
													40.6	2	112.7	222.6	275	237	1388	237.0	300	253	1402
	230-3-60	67.3	485	67.3	485	6.8	40.7	28	173.4	6.8	40.7	13	None	-	-	220.2	275	234	1388	233.2	300	249	1401
													54.0	2	129.9	220.2	275	234	1388	233.2	300	249	1401
	460-3-60	32.7	215	32.7	215	3.4	20.4	14	86.7	3.4	20.4	6.5	None	-	-	108.0	125	115	639	114.5	125	122	646
													54.0	2	65.0	108.0	125	115	639	114.5	125	122	646
													72.0	2	86.6	112.6	125	124	639	120.7	125	131	646
													90.0	2	108.3	134.3	150	148	639	142.4	150	156	646
													108.0	2	129.9	155.9	175	173	639	164.0	175	181	646
	575-3-60	26.3	175	26.3	175	2.7	16.4	11	71.8	2.7	16.4	5.2	None	-	-	86.4	110	92	520	91.6	110	98	525
													54.0	2	52.0	86.4	110	92	520	91.6	110	98	525
													72.0	2	69.3	89.8	110	99	520	96.3	110	105	525
													90.0	2	86.6	107.1	110	118	520	113.6	125	124	525
													108.0	2	103.9	124.4	150	138	520	130.9	150	144	525

Table 60: 27.5 ton to 50 ton VFD 2-stage standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	139.9	175	149	901	154.3	175	166	916
													27.0	2	74.9	139.9	175	149	901	154.3	175	166	916
													40.6	2	112.7	180.4	200	166	901	198.4	200	183	916
	230-3-60	41	304	41	304	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	140.7	175	150	901	153.7	175	165	914
													36.0	2	86.6	147.8	175	150	901	164.0	175	165	914
													54.0	2	129.9	169.4	175	186	901	185.7	200	201	914
	460-3-60	19.2	147	19.2	147	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	67.4	80	72	442	73.9	90	79	449
													36.0	2	43.3	73.9	80	72	442	82.0	90	79	449
													54.0	2	65.0	84.8	90	93	442	92.9	100	100	449
													72.0	2	86.6	106.4	110	118	442	114.5	125	125	449
													90.0	2	108.3	128.1	150	143	442	136.2	150	150	449
	575-3-60	16.7	122	16.7	122	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	57.9	70	62	356	63.1	75	68	361
													54.0	2	52.0	69.4	75	76	356	75.9	80	82	361
													72.0	2	69.3	86.7	90	96	356	93.2	100	102	361
													90.0	2	86.6	104.0	110	116	356	110.5	125	122	361
30	208-3-60	44.2	315	44.2	315	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	147.1	175	156	923	161.5	200	173	938
													27.0	2	74.9	147.1	175	156	923	161.5	200	173	938
													40.6	2	112.7	180.4	200	166	923	198.4	200	183	938
	230-3-60	44.2	315	44.2	315	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	147.9	175	157	923	160.9	200	172	936
													36.0	2	86.6	147.9	175	157	923	164.0	200	172	936
													54.0	2	129.9	169.4	175	186	923	185.7	200	201	936
	460-3-60	22.4	158	22.4	158	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	74.6	90	79	464	81.1	100	87	471
													36.0	2	43.3	74.6	90	79	464	82.0	100	87	471
													54.0	2	65.0	84.8	90	93	464	92.9	100	100	471
													72.0	2	86.6	106.4	110	118	464	114.5	125	125	471
													90.0	2	108.3	128.1	150	143	464	136.2	150	150	471
	575-3-60	18.6	136	18.6	136	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	62.2	80	66	384	67.4	80	72	389
													54.0	2	52.0	69.4	80	76	384	75.9	80	82	389
													72.0	2	69.3	86.7	90	96	384	93.2	100	102	389
													90.0	2	86.6	104.0	110	116	384	110.5	125	122	389
35	208-3-60	48.1	351	48.1	351	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	155.8	200	165	995	170.2	200	182	1010
													27.0	2	74.9	155.8	200	165	995	170.2	200	182	1010
													40.6	2	112.7	180.4	200	166	995	198.4	200	183	1010
	230-3-60	48.1	351	48.1	351	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	156.6	200	166	995	169.6	200	181	1008
													36.0	2	86.6	156.6	200	166	995	169.6	200	181	1008
													54.0	2	129.9	169.4	200	186	995	185.7	200	201	1008
	460-3-60	24.7	197	24.7	197	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	79.8	100	85	542	86.3	110	92	549
													36.0	2	43.3	79.8	100	85	542	86.3	110	92	549
													54.0	2	65.0	84.8	100	93	542	92.9	110	100	549
													72.0	2	86.6	106.4	110	118	542	114.5	125	125	549
													90.0	2	108.3	128.1	150	143	542	136.2	150	150	549
	575-3-60	22.4	135	22.4	135	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	70.7	90	75	382	75.9	90	81	387
													54.0	2	52.0	70.7	90	76	382	75.9	90	82	387
													72.0	2	69.3	86.7	90	96	382	93.2	100	102	387
													90.0	2	86.6	104.0	110	116	382	110.5	125	122	387
40	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	15.2	40.7	14.4	None	-	-	167.4	200	179	1056	181.8	225	195	1070
													40.6	2	112.7	194.9	200	179	1056	212.9	225	196	1070
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	15.2	40.7	13	None	-	-	168.2	200	180	1056	181.2	225	195	1069
													54.0	2	129.9	183.9	200	199	1056	200.2	225	214	1069
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	8.2	20.4	6.5	None	-	-	86.2	110	92	572	92.7	110	99	579
													54.0	2	65.0	92.8	110	100	572	100.9	110	108	579
													72.0	2	86.6	114.4	125	125	572	122.5	125	133	579
													90.0	2	108.3	136.1	150	150	572	144.2	150	158	579
													108.0	2	129.9	157.7	175	175	572	165.8	175	182	579
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	6.1	16.4	5.2	None	-	-	73.9	90	79	410	79.1	100	85	415
													54.0	2	52.0	73.9	90	79	410	79.9	100	85	415
													72.0	2	69.3	90.7	100	99	410	97.2	100	105	415
													90.0	2	86.6	108.0	110	119	410	114.5	125	125	415
													108.0	2	103.9	125.3	150	139	410	131.8	150	145	415

Table 60: 27.5 ton to 50 ton VFD 2-stage standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	67.3	485	7.2	40.7	28	173.4	15.2	40.7	14.4	None	-	-	223.4	275	238	1388	237.8	300	254	1402
													40.6	2	112.7	223.4	275	238	1388	237.8	300	254	1402
	230-3-60	67.3	485	67.3	485	6.8	40.7	28	173.4	15.2	40.7	13	None	-	-	221.8	275	236	1388	234.8	300	251	1401
													54.0	2	129.9	221.8	275	236	1388	234.8	300	251	1401
	460-3-60	32.7	215	32.7	215	3.4	20.4	14	86.7	8.2	20.4	6.5	None	-	-	109.4	125	116	639	115.9	125	124	646
													54.0	2	65.0	109.4	125	116	639	115.9	125	124	646
													72.0	2	86.6	114.4	125	125	639	122.5	125	133	646
													90.0	2	108.3	136.1	150	150	639	144.2	150	158	646
													108.0	2	129.9	157.7	175	175	639	165.8	175	182	646
	575-3-60	26.3	175	26.3	175	2.7	16.4	11	71.8	6.1	16.4	5.2	None	-	-	87.1	110	93	520	92.3	110	99	525
													54.0	2	52.0	87.1	110	93	520	92.3	110	99	525
													72.0	2	69.3	90.7	110	99	520	97.2	110	105	525
													90.0	2	86.6	108.0	110	119	520	114.5	125	125	525
													108.0	2	103.9	125.3	150	139	520	131.8	150	145	525

VFD 2-stage medium static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 61: 27.5 ton to 50 ton VFD 2-stage medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	28	173.4	14.4	None	-	-	136.3	175	145	881	150.7	175	161	895
											27.0	2	74.9	136.3	175	145	881	150.7	175	161	895
											40.6	2	112.7	175.9	200	162	881	193.9	200	178	895
	230-3-60	41	304	41	304	4.2	24.8	28	173.4	13	None	-	-	137.1	175	146	881	150.1	175	161	894
											36.0	2	86.6	143.3	175	146	881	159.5	175	161	894
											54.0	2	129.9	164.9	175	182	881	181.2	200	197	894
	460-3-60	19.2	147	19.2	147	2.1	12.7	14	86.7	6.5	None	-	-	65.6	80	70	432	72.1	90	77	438
											36.0	2	43.3	71.6	80	70	432	79.8	90	77	438
											54.0	2	65.0	82.5	90	91	432	90.6	100	98	438
											72.0	2	86.6	104.1	110	116	432	112.2	125	123	438
											90.0	2	108.3	125.8	150	141	432	133.9	150	148	438
	575-3-60	16.7	122	16.7	122	1.6	8.8	11	71.8	5.2	None	-	-	55.0	70	58	351	60.2	75	64	356
											54.0	2	52.0	65.8	75	72	351	72.3	80	78	356
											72.0	2	69.3	83.1	90	92	351	89.6	90	98	356
											90.0	2	86.6	100.4	110	112	351	106.9	110	118	356
30	208-3-60	44.2	315	44.2	315	4	24.8	28	173.4	14.4	None	-	-	143.5	175	152	903	157.9	200	169	917
											27.0	2	74.9	143.5	175	152	903	157.9	200	169	917
											40.6	2	112.7	175.9	200	162	903	193.9	200	178	917
	230-3-60	44.2	315	44.2	315	4.2	24.8	28	173.4	13	None	-	-	144.3	175	153	903	157.3	200	168	916
											36.0	2	86.6	144.3	175	153	903	159.5	200	168	916
											54.0	2	129.9	164.9	175	182	903	181.2	200	197	916
	460-3-60	22.4	158	22.4	158	2.1	12.7	14	86.7	6.5	None	-	-	72.8	90	77	454	79.3	100	85	460
											36.0	2	43.3	72.8	90	77	454	79.8	100	85	460
											54.0	2	65.0	82.5	90	91	454	90.6	100	98	460
											72.0	2	86.6	104.1	110	116	454	112.2	125	123	460
											90.0	2	108.3	125.8	150	141	454	133.9	150	148	460
	575-3-60	18.6	136	18.6	136	1.6	8.8	11	71.8	5.2	None	-	-	59.3	75	63	379	64.5	80	69	384
											54.0	2	52.0	65.8	75	72	379	72.3	80	78	384
											72.0	2	69.3	83.1	90	92	379	89.6	90	98	384
											90.0	2	86.6	100.4	110	112	379	106.9	110	118	384
35	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	14.4	None	-	-	152.2	200	161	975	166.6	200	178	989
											27.0	2	74.9	152.2	200	161	975	166.6	200	178	989
											40.6	2	112.7	175.9	200	162	975	193.9	200	178	989
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	13	None	-	-	153.0	200	162	975	166.0	200	177	988
											36.0	2	86.6	153.0	200	162	975	166.0	200	177	988
											54.0	2	129.9	164.9	200	182	975	181.2	200	197	988
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	6.5	None	-	-	78.0	100	83	532	84.5	100	90	538
											36.0	2	43.3	78.0	100	83	532	84.5	100	90	538
											54.0	2	65.0	82.5	100	91	532	90.6	100	98	538
											72.0	2	86.6	104.1	110	116	532	112.2	125	123	538
											90.0	2	108.3	125.8	150	141	532	133.9	150	148	538
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	5.2	None	-	-	67.8	90	72	377	73.0	90	78	382
											54.0	2	52.0	67.8	90	72	377	73.0	90	78	382
											72.0	2	69.3	83.1	90	92	377	89.6	90	98	382
											90.0	2	86.6	100.4	110	112	377	106.9	110	118	382

Table 61: 27.5 ton to 50 ton VFD 2-stage medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	14.4	None	-	-	166.2	200	177	1035	180.6	225	194	1050
											40.6	2	112.7	193.4	200	178	1035	211.4	225	194	1050
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	13	None	-	-	167.0	200	178	1035	180.0	225	193	1048
											54.0	2	129.9	182.4	200	198	1035	198.7	225	213	1048
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	6.5	None	-	-	85.0	100	91	562	91.5	110	98	568
											54.0	2	65.0	91.3	110	99	562	99.4	110	106	568
											72.0	2	86.6	112.9	125	124	562	121.0	125	131	568
											90.0	2	108.3	134.6	150	149	562	142.7	150	156	568
											108.0	2	129.9	156.2	175	174	562	164.3	175	181	568
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	5.2	None	-	-	74.8	90	80	401	80.0	100	86	406
											54.0	2	52.0	74.8	90	81	401	81.0	100	86	406
											72.0	2	69.3	91.8	100	100	401	98.3	110	106	406
											90.0	2	86.6	109.1	125	120	401	115.6	125	126	406
											108.0	2	103.9	126.4	150	140	401	132.9	150	146	406
50	208-3-60	67.3	485	67.3	485	7.2	40.7	42	234.0	14.4	None	-	-	222.2	275	236	1367	236.6	300	253	1381
											40.6	2	112.7	222.2	275	236	1367	236.6	300	253	1381
	230-3-60	67.3	485	67.3	485	6.8	40.7	42	234.0	13	None	-	-	220.6	275	234	1367	233.6	300	249	1380
											54.0	2	129.9	220.6	275	234	1367	233.6	300	249	1380
	460-3-60	32.7	215	32.7	215	3.4	20.4	21	117.0	6.5	None	-	-	108.2	125	115	629	114.7	125	122	635
											54.0	2	65.0	108.2	125	115	629	114.7	125	122	635
											72.0	2	86.6	112.9	125	124	629	121.0	125	131	635
											90.0	2	108.3	134.6	150	149	629	142.7	150	156	635
											108.0	2	129.9	156.2	175	174	629	164.3	175	181	635
	575-3-60	26.3	175	26.3	175	2.7	16.4	18	95.9	5.2	None	-	-	88.0	110	94	512	93.2	110	100	517
											54.0	2	52.0	88.0	110	94	512	93.2	110	100	517
											72.0	2	69.3	91.8	110	100	512	98.3	110	106	517
											90.0	2	86.6	109.1	125	120	512	115.6	125	126	517
											108.0	2	103.9	126.4	150	140	512	132.9	150	146	517

Table 62: 27.5 ton to 50 ton VFD 2-stage medium static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	28	173.4	4	24.8	14.4	None	-	-	144.3	175	154	930	158.7	175	171	945
													27.0	2	74.9	144.3	175	154	930	158.7	175	171	945
													40.6	2	112.7	185.9	200	171	930	203.9	225	188	945
	230-3-60	41	304	41	304	4.2	24.8	28	173.4	4.2	24.8	13	None	-	-	145.5	175	155	930	158.5	175	170	943
													36.0	2	86.6	153.8	175	155	930	170.0	175	170	943
													54.0	2	129.9	175.4	200	191	930	191.7	200	206	943
	460-3-60	19.2	147	19.2	147	2.1	12.7	14	86.7	2.1	12.7	6.5	None	-	-	69.8	80	75	457	76.3	90	82	463
													36.0	2	43.3	76.9	80	75	457	85.0	90	82	463
													54.0	2	65.0	87.8	100	96	457	95.9	100	103	463
													72.0	2	86.6	109.4	110	121	457	117.5	125	128	463
													90.0	2	108.3	131.1	150	145	457	139.2	150	153	463
	575-3-60	16.7	122	16.7	122	1.6	8.8	11	71.8	1.6	8.8	5.2	None	-	-	58.2	70	62	369	63.4	80	68	374
													54.0	2	52.0	69.8	75	76	369	76.3	80	82	374
													72.0	2	69.3	87.1	90	96	369	93.6	100	102	374
													90.0	2	86.6	104.4	110	116	369	110.9	125	122	374

Table 62: 27.5 ton to 50 ton VFD 2-stage medium static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
30	208-3-60	44.2	315	44.2	315	4	24.8	28	173.4	4	24.8	14.4	None	-	-	151.5	175	161	952	165.9	200	178	967
													27.0	2	74.9	151.5	175	161	952	165.9	200	178	967
													40.6	2	112.7	185.9	200	171	952	203.9	225	188	967
	230-3-60	44.2	315	44.2	315	4.2	24.8	28	173.4	4.2	24.8	13	None	-	-	152.7	175	163	952	165.7	200	178	965
													36.0	2	86.6	153.8	175	163	952	170.0	200	178	965
													54.0	2	129.9	175.4	200	191	952	191.7	200	206	965
	460-3-60	22.4	158	22.4	158	2.1	12.7	14	86.7	2.1	12.7	6.5	None	-	-	77.0	90	82	479	83.5	100	90	485
													36.0	2	43.3	77.0	90	82	479	85.0	100	90	485
													54.0	2	65.0	87.8	100	96	479	95.9	100	103	485
													72.0	2	86.6	109.4	110	121	479	117.5	125	128	485
													90.0	2	108.3	131.1	150	145	479	139.2	150	153	485
	575-3-60	18.6	136	18.6	136	1.6	8.8	11	71.8	1.6	8.8	5.2	None	-	-	62.5	80	66	397	67.7	80	72	402
													54.0	2	52.0	69.8	80	76	397	76.3	80	82	402
													72.0	2	69.3	87.1	90	96	397	93.6	100	102	402
													90.0	2	86.6	104.4	110	116	397	110.9	125	122	402
35	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	4	24.8	14.4	None	-	-	160.2	200	170	1024	174.6	200	187	1039
													27.0	2	74.9	160.2	200	170	1024	174.6	200	187	1039
													40.6	2	112.7	185.9	200	171	1024	203.9	225	188	1039
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	4.2	24.8	13	None	-	-	161.4	200	172	1024	174.4	200	187	1037
													36.0	2	86.6	161.4	200	172	1024	174.4	200	187	1037
													54.0	2	129.9	175.4	200	191	1024	191.7	200	206	1037
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	2.1	12.7	6.5	None	-	-	82.2	100	87	557	88.7	110	95	563
													36.0	2	43.3	82.2	100	87	557	88.7	110	95	563
													54.0	2	65.0	87.8	100	96	557	95.9	110	103	563
													72.0	2	86.6	109.4	110	121	557	117.5	125	128	563
													90.0	2	108.3	131.1	150	145	557	139.2	150	153	563
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	1.6	8.8	5.2	None	-	-	71.0	90	75	395	76.2	90	81	400
													54.0	2	52.0	71.0	90	76	395	76.3	90	82	400
													72.0	2	69.3	87.1	90	96	395	93.6	100	102	400
													90.0	2	86.6	104.4	110	116	395	110.9	125	122	400
40	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	7.2	40.7	14.4	None	-	-	180.6	225	194	1117	195.0	225	210	1131
													40.6	2	112.7	211.4	225	194	1117	229.4	250	211	1131
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	6.8	40.7	13	None	-	-	180.6	225	194	1117	193.6	225	209	1130
													54.0	2	129.9	199.4	225	213	1117	215.7	250	228	1130
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	3.4	20.4	6.5	None	-	-	91.8	110	98	603	98.3	110	106	609
													54.0	2	65.0	99.8	110	107	603	107.9	125	114	609
													72.0	2	86.6	121.4	125	132	603	129.5	150	139	609
													90.0	2	108.3	143.1	150	157	603	151.2	175	164	609
													108.0	2	129.9	164.7	175	181	603	172.8	175	189	609
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	2.7	16.4	5.2	None	-	-	80.2	100	86	434	85.4	100	92	439
													54.0	2	52.0	81.3	100	87	434	87.8	100	93	439
													72.0	2	69.3	98.6	110	107	434	105.1	110	113	439
													90.0	2	86.6	115.9	125	127	434	122.4	125	132	439
													108.0	2	103.9	133.2	150	146	434	139.7	150	152	439
50	208-3-60	67.3	485	67.3	485	7.2	40.7	42	234.0	7.2	40.7	14.4	None	-	-	236.6	300	253	1448	251.0	300	269	1463
													40.6	2	112.7	236.6	300	253	1448	251.0	300	269	1463
	230-3-60	67.3	485	67.3	485	6.8	40.7	42	234.0	6.8	40.7	13	None	-	-	234.2	300	250	1448	247.2	300	265	1461
													54.0	2	129.9	234.2	300	250	1448	247.2	300	265	1461
	460-3-60	32.7	215	32.7	215	3.4	20.4	21	117.0	3.4	20.4	6.5	None	-	-	115.0	125	123	669	121.5	150	130	676
													54.0	2	65.0	115.0	125	123	669	121.5	150	130	676
													72.0	2	86.6	121.4	125	132	669	129.5	150	139	676
													90.0	2	108.3	143.1	150	157	669	151.2	175	164	676
													108.0	2	129.9	164.7	175	181	669	172.8	175	189	676
	575-3-60	26.3	175	26.3	175	2.7	16.4	18	95.9	2.7	16.4	5.2	None	-	-	93.4	110	100	544	98.6	110	106	550
													54.0	2	52.0	93.4	110	100	544	98.6	110	106	550
													72.0	2	69.3	98.6	110	107	544	105.1	110	113	550
													90.0	2	86.6	115.9	125	127	544	122.4	125	132	550
													108.0	2	103.9	133.2	150	146	544	139.7	150	152	550

Table 63: 27.5 ton to 50 ton VFD 2-stage medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	28	173.4	9.6	24.8	14.4	None	-	-	145.9	175	156	930	160.3	200	173	945
													27.0	2	74.9	145.9	175	156	930	160.3	200	173	945
													40.6	2	112.7	187.9	200	173	930	205.9	225	189	945
	230-3-60	41	304	41	304	4.2	24.8	28	173.4	9.6	24.8	13	None	-	-	146.7	175	157	930	159.7	200	172	943
													36.0	2	86.6	155.3	175	157	930	171.5	200	172	943
													54.0	2	129.9	176.9	200	193	930	193.2	200	208	943
	460-3-60	19.2	147	19.2	147	2.1	12.7	14	86.7	4.8	12.7	6.5	None	-	-	70.4	80	75	457	76.9	90	83	463
													36.0	2	43.3	77.6	80	75	457	85.8	90	83	463
													54.0	2	65.0	88.5	100	96	457	96.6	100	104	463
													72.0	2	86.6	110.1	125	121	457	118.2	125	129	463
													90.0	2	108.3	131.8	150	146	457	139.9	150	154	463
	575-3-60	16.7	122	16.7	122	1.6	8.8	11	71.8	4.9	8.8	5.2	None	-	-	59.9	75	64	369	65.1	80	70	374
													54.0	2	52.0	71.9	80	78	369	78.4	80	84	374
													72.0	2	69.3	89.2	90	98	369	95.7	100	104	374
													90.0	2	86.6	106.5	110	118	369	113.0	125	124	374
30	208-3-60	44.2	315	44.2	315	4	24.8	28	173.4	9.6	24.8	14.4	None	-	-	153.1	175	163	952	167.5	200	180	967
													27.0	2	74.9	153.1	175	163	952	167.5	200	180	967
													40.6	2	112.7	187.9	200	173	952	205.9	225	189	967
	230-3-60	44.2	315	44.2	315	4.2	24.8	28	173.4	9.6	24.8	13	None	-	-	153.9	175	164	952	166.9	200	179	965
													36.0	2	86.6	155.3	175	164	952	171.5	200	179	965
													54.0	2	129.9	176.9	200	193	952	193.2	200	208	965
	460-3-60	22.4	158	22.4	158	2.1	12.7	14	86.7	4.8	12.7	6.5	None	-	-	77.6	100	83	479	84.1	100	90	485
													36.0	2	43.3	77.6	100	83	479	85.8	100	90	485
													54.0	2	65.0	88.5	100	96	479	96.6	100	104	485
													72.0	2	86.6	110.1	125	121	479	118.2	125	129	485
													90.0	2	108.3	131.8	150	146	479	139.9	150	154	485
	575-3-60	18.6	136	18.6	136	1.6	8.8	11	71.8	4.9	8.8	5.2	None	-	-	64.2	80	68	397	69.4	80	74	402
													54.0	2	52.0	71.9	80	78	397	78.4	80	84	402
													72.0	2	69.3	89.2	90	98	397	95.7	100	104	402
													90.0	2	86.6	106.5	110	118	397	113.0	125	124	402
35	208-3-60	48.1	351	48.1	351	4	24.8	28	173.4	9.6	24.8	14.4	None	-	-	161.8	200	172	1024	176.2	200	189	1039
													27.0	2	74.9	161.8	200	172	1024	176.2	200	189	1039
													40.6	2	112.7	187.9	200	173	1024	205.9	225	189	1039
	230-3-60	48.1	351	48.1	351	4.2	24.8	28	173.4	9.6	24.8	13	None	-	-	162.6	200	173	1024	175.6	200	188	1037
													36.0	2	86.6	162.6	200	173	1024	175.6	200	188	1037
													54.0	2	129.9	176.9	200	193	1024	193.2	200	208	1037
	460-3-60	24.7	197	24.7	197	2.1	12.7	14	86.7	4.8	12.7	6.5	None	-	-	82.8	100	88	557	89.3	110	96	563
													36.0	2	43.3	82.8	100	88	557	89.3	110	96	563
													54.0	2	65.0	88.5	100	96	557	96.6	110	104	563
													72.0	2	86.6	110.1	125	121	557	118.2	125	129	563
													90.0	2	108.3	131.8	150	146	557	139.9	150	154	563
	575-3-60	22.4	135	22.4	135	1.6	8.8	11	71.8	4.9	8.8	5.2	None	-	-	72.7	90	77	395	77.9	100	83	400
													54.0	2	52.0	72.7	90	78	395	78.4	100	84	400
													72.0	2	69.3	89.2	90	98	395	95.7	100	104	400
													90.0	2	86.6	106.5	110	118	395	113.0	125	124	400
40	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	15.2	40.7	14.4	None	-	-	181.4	225	195	1117	195.8	225	211	1131
													40.6	2	112.7	212.4	225	195	1117	230.4	250	212	1131
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	15.2	40.7	13	None	-	-	182.2	225	196	1117	195.2	225	211	1130
													54.0	2	129.9	201.4	225	215	1117	217.7	250	230	1130
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	8.2	20.4	6.5	None	-	-	93.2	110	100	603	99.7	110	108	609
													54.0	2	65.0	101.5	110	108	603	109.6	125	116	609
													72.0	2	86.6	123.1	125	133	603	131.2	150	141	609
													90.0	2	108.3	144.8	150	158	603	152.9	175	166	609
													108.0	2	129.9	166.4	175	183	603	174.5	175	190	609
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	6.1	16.4	5.2	None	-	-	80.9	100	87	434	86.1	100	93	439
													54.0	2	52.0	82.1	100	88	434	88.6	100	93	439
													72.0	2	69.3	99.4	110	107	434	105.9	110	113	439
													90.0	2	86.6	116.7	125	127	434	123.2	125	133	439
													108.0	2	103.9	134.0	150	147	434	140.5	150	153	439

Table 63: 27.5 ton to 50 ton VFD 2-stage medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	67.3	485	7.2	40.7	42	234.0	15.2	40.7	14.4	None	-	-	237.4	300	254	1448	251.8	300	270	1463
													40.6	2	112.7	237.4	300	254	1448	251.8	300	270	1463
	230-3-60	67.3	485	67.3	485	6.8	40.7	42	234.0	15.2	40.7	13	None	-	-	235.8	300	252	1448	248.8	300	267	1461
													54.0	2	129.9	235.8	300	252	1448	248.8	300	267	1461
	460-3-60	32.7	215	32.7	215	3.4	20.4	21	117.0	8.2	20.4	6.5	None	-	-	116.4	125	124	669	122.9	150	132	676
													54.0	2	65.0	116.4	125	124	669	122.9	150	132	676
													72.0	2	86.6	123.1	125	133	669	131.2	150	141	676
													90.0	2	108.3	144.8	150	158	669	152.9	175	166	676
													108.0	2	129.9	166.4	175	183	669	174.5	175	190	676
	575-3-60	26.3	175	26.3	175	2.7	16.4	18	95.9	6.1	16.4	5.2	None	-	-	94.1	110	101	544	99.3	125	107	550
													54.0	2	52.0	94.1	110	101	544	99.3	125	107	550
													72.0	2	69.3	99.4	110	107	544	105.9	125	113	550
													90.0	2	86.6	116.7	125	127	544	123.2	125	133	550
													108.0	2	103.9	134.0	150	147	544	140.5	150	153	550

VFD 2-stage high static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 64: 27.5 ton to 50 ton VFD 2-stage high static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	42	234.0	14.4	None	-	-	150.5	175	161	941	164.9	200	178	956
											27.0	2	74.9	150.5	175	161	941	164.9	200	178	956
											40.6	2	112.7	193.4	200	178	941	211.4	225	194	956
	230-3-60	41	304	41	304	4.2	24.8	42	234.0	13	None	-	-	151.3	175	162	941	164.3	200	177	954
											36.0	2	86.6	160.8	175	162	941	177.0	200	177	954
											54.0	2	129.9	182.4	200	198	941	198.7	225	213	954
	460-3-60	19.2	147	19.2	147	2.1	12.7	21	117.0	6.5	None	-	-	73.1	90	78	462	79.6	100	85	468
											36.0	2	43.3	80.4	90	78	462	88.5	100	85	468
											54.0	2	65.0	91.3	110	99	462	99.4	110	106	468
											72.0	2	86.6	112.9	125	124	462	121.0	125	131	468
											90.0	2	108.3	134.6	150	149	462	142.7	150	156	468
	575-3-60	16.7	122	16.7	122	1.6	8.8	18	95.9	5.2	None	-	-	62.3	80	66	375	67.5	80	72	380
											54.0	2	52.0	74.5	90	81	375	81.0	90	86	380
											72.0	2	69.3	91.8	100	100	375	98.3	110	106	380
											90.0	2	86.6	109.1	125	120	375	115.6	125	126	380
30	208-3-60	44.2	315	44.2	315	4	24.8	42	234.0	14.4	None	-	-	157.5	200	168	963	171.9	200	185	978
											27.0	2	74.9	157.5	200	168	963	171.9	200	185	978
											40.6	2	112.7	193.4	200	178	963	211.4	225	194	978
	230-3-60	44.2	315	44.2	315	4.2	24.8	42	234.0	13	None	-	-	158.3	200	169	963	171.3	200	184	976
											36.0	2	86.6	160.8	200	169	963	177.0	200	184	976
											54.0	2	129.9	182.4	200	198	963	198.7	225	213	976
	460-3-60	22.4	158	22.4	158	2.1	12.7	21	117.0	6.5	None	-	-	79.8	100	85	484	86.3	100	93	490
											36.0	2	43.3	80.4	100	85	484	88.5	100	93	490
											54.0	2	65.0	91.3	110	99	484	99.4	110	106	490
											72.0	2	86.6	112.9	125	124	484	121.0	125	131	490
											90.0	2	108.3	134.6	150	149	484	142.7	150	156	490
	575-3-60	18.6	136	18.6	136	1.6	8.8	18	95.9	5.2	None	-	-	66.3	80	71	403	71.5	90	77	408
											54.0	2	52.0	74.5	90	81	403	81.0	90	86	408
											72.0	2	69.3	91.8	100	100	403	98.3	110	106	408
											90.0	2	86.6	109.1	125	120	403	115.6	125	126	408
35	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	14.4	None	-	-	166.2	200	177	1035	180.6	225	194	1050
											27.0	2	74.9	166.2	200	177	1035	180.6	225	194	1050
											40.6	2	112.7	193.4	200	178	1035	211.4	225	194	1050
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	13	None	-	-	167.0	200	178	1035	180.0	225	193	1048
											36.0	2	86.6	167.0	200	178	1035	180.0	225	193	1048
											54.0	2	129.9	182.4	200	198	1035	198.7	225	213	1048
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	6.5	None	-	-	85.0	100	91	562	91.5	110	98	568
											36.0	2	43.3	85.0	100	91	562	91.5	110	98	568
											54.0	2	65.0	91.3	110	99	562	99.4	110	106	568
											72.0	2	86.6	112.9	125	124	562	121.0	125	131	568
											90.0	2	108.3	134.6	150	149	562	142.7	150	156	568
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	5.2	None	-	-	74.8	90	80	401	80.0	100	86	406
											54.0	2	52.0	74.8	90	81	401	81.0	100	86	406
											72.0	2	69.3	91.8	100	100	401	98.3	110	106	406
											90.0	2	86.6	109.1	125	120	401	115.6	125	126	406

Table 64: 27.5 ton to 50 ton VFD 2-stage high static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	48.1	351	4	24.8	59.4	312.0	14.4	None	-	-	186.5	225	197	1113	200.9	250	214	1128
											40.6	2	112.7	215.1	225	198	1113	233.1	250	214	1128
	230-3-60	48.1	351	48.1	351	4.2	24.8	59.4	312.0	13	None	-	-	187.3	225	198	1113	200.3	250	213	1126
											54.0	2	129.9	204.2	250	218	1113	220.4	275	233	1126
	460-3-60	24.7	197	24.7	197	2.1	12.7	27	156.0	6.5	None	-	-	91.6	110	98	601	98.1	125	105	607
											54.0	2	65.0	98.8	125	106	601	106.9	125	113	607
											72.0	2	86.6	120.4	125	131	601	128.5	150	138	607
											90.0	2	108.3	142.1	150	156	601	150.2	175	163	607
											108.0	2	129.9	163.7	175	180	601	171.8	175	188	607
	575-3-60	22.4	135	22.4	135	1.6	8.8	22	126.0	5.2	None	-	-	78.8	100	84	431	84.0	100	90	436
											54.0	2	52.0	79.5	100	85	431	86.0	100	91	436
											72.0	2	69.3	96.8	110	105	431	103.3	110	111	436
											90.0	2	86.6	114.1	125	125	431	120.6	125	131	436
											108.0	2	103.9	131.4	150	145	431	137.9	150	151	436
50	208-3-60	67.3	485	67.3	485	7.2	40.7	74.8	312.0	14.4	None	-	-	256.9	325	274	1445	271.3	325	290	1459
											40.6	2	112.7	256.9	325	274	1445	271.3	325	290	1459
	230-3-60	67.3	485	67.3	485	6.8	40.7	74.8	312.0	13	None	-	-	255.3	325	272	1445	268.3	325	287	1458
											54.0	2	129.9	255.3	325	272	1445	268.3	325	287	1458
	460-3-60	32.7	215	32.7	215	3.4	20.4	27	156.0	6.5	None	-	-	114.2	125	122	668	120.7	150	129	674
											54.0	2	65.0	114.2	125	122	668	120.7	150	129	674
											72.0	2	86.6	120.4	125	131	668	128.5	150	138	674
											90.0	2	108.3	142.1	150	156	668	150.2	175	163	674
											108.0	2	129.9	163.7	175	180	668	171.8	175	188	674
	575-3-60	26.3	175	26.3	175	2.7	16.4	22	126.0	5.2	None	-	-	92.0	110	98	542	97.2	110	104	547
											54.0	2	52.0	92.0	110	98	542	97.2	110	104	547
											72.0	2	69.3	96.8	110	105	542	103.3	110	111	547
											90.0	2	86.6	114.1	125	125	542	120.6	125	131	547
											108.0	2	103.9	131.4	150	145	542	137.9	150	151	547

Table 65: 27.5 ton to 50 ton VFD 2-stage high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	42	234.0	4	24.8	14.4	None	-	-	158.5	200	170	991	172.9	200	187	1005
													27.0	2	74.9	158.5	200	170	991	174.1	200	187	1005
													40.6	2	112.7	203.4	225	187	991	221.4	225	204	1005
	230-3-60	41	304	41	304	4.2	24.8	42	234.0	4.2	24.8	13	None	-	-	159.7	200	172	991	172.7	200	187	1004
													36.0	2	86.6	171.3	200	172	991	187.5	200	187	1004
													54.0	2	129.9	192.9	225	207	991	209.2	225	222	1004
	460-3-60	19.2	147	19.2	147	2.1	12.7	21	117.0	2.1	12.7	6.5	None	-	-	77.3	90	83	487	83.8	100	90	494
													36.0	2	43.3	85.6	90	83	487	93.8	100	90	494
													54.0	2	65.0	96.5	110	104	487	104.6	110	111	494
													72.0	2	86.6	118.1	125	129	487	126.2	150	136	494
													90.0	2	108.3	139.8	150	154	487	147.9	150	161	494
	575-3-60	16.7	122	16.7	122	1.6	8.8	18	95.9	1.6	8.8	5.2	None	-	-	65.5	80	70	393	70.7	80	76	398
													54.0	2	52.0	78.5	90	84	393	85.0	100	90	398
													72.0	2	69.3	95.8	110	104	393	102.3	110	110	398
													90.0	2	86.6	113.1	125	124	393	119.6	125	130	398

Table 65: 27.5 ton to 50 ton VFD 2-stage high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
30	208-3-60	44.2	315	44.2	315	4	24.8	42	234.0	4	24.8	14.4	None	-	-	165.5	200	178	1013	179.9	200	194	1027
													27.0	2	74.9	165.5	200	178	1013	179.9	200	194	1027
													40.6	2	112.7	203.4	225	187	1013	221.4	225	204	1027
	230-3-60	44.2	315	44.2	315	4.2	24.8	42	234.0	4.2	24.8	13	None	-	-	166.7	200	179	1013	179.7	200	194	1026
													36.0	2	86.6	171.3	200	179	1013	187.5	200	194	1026
													54.0	2	129.9	192.9	225	207	1013	209.2	225	222	1026
	460-3-60	22.4	158	22.4	158	2.1	12.7	21	117.0	2.1	12.7	6.5	None	-	-	84.0	100	90	509	90.5	110	98	516
													36.0	2	43.3	85.6	100	90	509	93.8	110	98	516
													54.0	2	65.0	96.5	110	104	509	104.6	110	111	516
													72.0	2	86.6	118.1	125	129	509	126.2	150	136	516
													90.0	2	108.3	139.8	150	154	509	147.9	150	161	516
	575-3-60	18.6	136	18.6	136	1.6	8.8	18	95.9	1.6	8.8	5.2	None	-	-	69.5	80	75	421	74.7	90	81	426
													54.0	2	52.0	78.5	90	84	421	85.0	100	90	426
													72.0	2	69.3	95.8	110	104	421	102.3	110	110	426
													90.0	2	86.6	113.1	125	124	421	119.6	125	130	426
35	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	4	24.8	14.4	None	-	-	174.2	200	187	1085	188.6	225	203	1099
													27.0	2	74.9	174.2	200	187	1085	188.6	225	203	1099
													40.6	2	112.7	203.4	225	187	1085	221.4	225	204	1099
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	4.2	24.8	13	None	-	-	175.4	200	188	1085	188.4	225	203	1098
													36.0	2	86.6	175.4	200	188	1085	188.4	225	203	1098
													54.0	2	129.9	192.9	225	207	1085	209.2	225	222	1098
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	2.1	12.7	6.5	None	-	-	89.2	110	95	587	95.7	110	103	594
													36.0	2	43.3	89.2	110	95	587	95.7	110	103	594
													54.0	2	65.0	96.5	110	104	587	104.6	110	111	594
													72.0	2	86.6	118.1	125	129	587	126.2	150	136	594
													90.0	2	108.3	139.8	150	154	587	147.9	150	161	594
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	1.6	8.8	5.2	None	-	-	78.0	100	83	419	83.2	100	89	424
													54.0	2	52.0	78.5	100	84	419	85.0	100	90	424
													72.0	2	69.3	95.8	110	104	419	102.3	110	110	424
													90.0	2	86.6	113.1	125	124	419	119.6	125	130	424
40	208-3-60	48.1	351	48.1	351	4	24.8	59.4	312.0	7.2	40.7	14.4	None	-	-	200.9	250	214	1195	215.3	250	230	1209
													40.6	2	112.7	233.1	250	214	1195	251.1	275	231	1209
	230-3-60	48.1	351	48.1	351	4.2	24.8	59.4	312.0	6.8	40.7	13	None	-	-	200.9	250	214	1195	213.9	250	229	1208
													54.0	2	129.9	221.2	275	233	1195	237.4	275	248	1208
	460-3-60	24.7	197	24.7	197	2.1	12.7	27	156.0	3.4	20.4	6.5	None	-	-	98.4	125	105	642	104.9	125	113	648
													54.0	2	65.0	107.3	125	114	642	115.4	125	121	648
													72.0	2	86.6	128.9	150	138	642	137.0	150	146	648
													90.0	2	108.3	150.6	175	163	642	158.7	175	171	648
													108.0	2	129.9	172.2	175	188	642	180.3	200	196	648
	575-3-60	22.4	135	22.4	135	1.6	8.8	22	126.0	2.7	16.4	5.2	None	-	-	84.2	100	90	464	89.4	110	96	469
													54.0	2	52.0	86.3	100	91	464	92.8	110	97	469
													72.0	2	69.3	103.6	110	111	464	110.1	125	117	469
													90.0	2	86.6	120.9	125	131	464	127.4	150	137	469
													108.0	2	103.9	138.2	150	151	464	144.7	150	157	469
50	208-3-60	67.3	485	67.3	485	7.2	40.7	74.8	312.0	7.2	40.7	14.4	None	-	-	271.3	325	290	1526	285.7	350	307	1541
													40.6	2	112.7	271.3	325	290	1526	285.7	350	307	1541
	230-3-60	67.3	485	67.3	485	6.8	40.7	74.8	312.0	6.8	40.7	13	None	-	-	268.9	325	288	1526	281.9	350	303	1539
													54.0	2	129.9	268.9	325	288	1526	281.9	350	303	1539
	460-3-60	32.7	215	32.7	215	3.4	20.4	27	156.0	3.4	20.4	6.5	None	-	-	121.0	150	130	708	127.5	150	137	715
													54.0	2	65.0	121.0	150	130	708	127.5	150	137	715
													72.0	2	86.6	128.9	150	138	708	137.0	150	146	715
													90.0	2	108.3	150.6	175	163	708	158.7	175	171	715
													108.0	2	129.9	172.2	175	188	708	180.3	200	196	715
	575-3-60	26.3	175	26.3	175	2.7	16.4	22	126.0	2.7	16.4	5.2	None	-	-	97.4	110	104	574	102.6	125	110	580
													54.0	2	52.0	97.4	110	104	574	102.6	125	110	580
													72.0	2	69.3	103.6	110	111	574	110.1	125	117	580
													90.0	2	86.6	120.9	125	131	574	127.4	150	137	580
													108.0	2	103.9	138.2	150	151	574	144.7	150	157	580

Table 66: 27.5 ton to 50 ton VFD 2-stage high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating/120V trans	
		RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	41	304	4	24.8	42	234.0	9.6	24.8	14.4	None	-	-	160.1	200	172	991	174.5	200	189	1005
													27.0	2	74.9	160.1	200	172	991	176.1	200	189	1005
													40.6	2	112.7	205.4	225	189	991	223.4	225	206	1005
	230-3-60	41	304	41	304	4.2	24.8	42	234.0	9.6	24.8	13	None	-	-	160.9	200	173	991	173.9	200	188	1004
													36.0	2	86.6	172.8	200	173	991	189.0	200	188	1004
													54.0	2	129.9	194.4	225	209	991	210.7	225	224	1004
	460-3-60	19.2	147	19.2	147	2.1	12.7	21	117.0	4.8	12.7	6.5	None	-	-	77.9	90	83	487	84.4	100	91	494
													36.0	2	43.3	86.4	90	83	487	94.5	100	91	494
													54.0	2	65.0	97.3	110	104	487	105.4	110	112	494
													72.0	2	86.6	118.9	125	129	487	127.0	150	137	494
													90.0	2	108.3	140.6	150	154	487	148.7	150	162	494
	575-3-60	16.7	122	16.7	122	1.6	8.8	18	95.9	4.9	8.8	5.2	None	-	-	67.2	80	72	393	72.4	90	78	398
													54.0	2	52.0	80.6	90	86	393	87.1	100	92	398
													72.0	2	69.3	97.9	110	106	393	104.4	110	112	398
													90.0	2	86.6	115.2	125	126	393	121.7	125	132	398
30	208-3-60	44.2	315	44.2	315	4	24.8	42	234.0	9.6	24.8	14.4	None	-	-	167.1	200	179	1013	181.5	225	196	1027
													27.0	2	74.9	167.1	200	179	1013	181.5	225	196	1027
													40.6	2	112.7	205.4	225	189	1013	223.4	225	206	1027
	230-3-60	44.2	315	44.2	315	4.2	24.8	42	234.0	9.6	24.8	13	None	-	-	167.9	200	180	1013	180.9	225	195	1026
													36.0	2	86.6	172.8	200	180	1013	189.0	225	195	1026
													54.0	2	129.9	194.4	225	209	1013	210.7	225	224	1026
	460-3-60	22.4	158	22.4	158	2.1	12.7	21	117.0	4.8	12.7	6.5	None	-	-	84.6	100	91	509	91.1	110	98	516
													36.0	2	43.3	86.4	100	91	509	94.5	110	98	516
													54.0	2	65.0	97.3	110	104	509	105.4	110	112	516
													72.0	2	86.6	118.9	125	129	509	127.0	150	137	516
													90.0	2	108.3	140.6	150	154	509	148.7	150	162	516
	575-3-60	18.6	136	18.6	136	1.6	8.8	18	95.9	4.9	8.8	5.2	None	-	-	71.2	80	76	421	76.4	90	82	426
													54.0	2	52.0	80.6	90	86	421	87.1	100	92	426
													72.0	2	69.3	97.9	110	106	421	104.4	110	112	426
													90.0	2	86.6	115.2	125	126	421	121.7	125	132	426
35	208-3-60	48.1	351	48.1	351	4	24.8	42	234.0	9.6	24.8	14.4	None	-	-	175.8	200	188	1085	190.2	225	205	1099
													27.0	2	74.9	175.8	200	188	1085	190.2	225	205	1099
													40.6	2	112.7	205.4	225	189	1085	223.4	225	206	1099
	230-3-60	48.1	351	48.1	351	4.2	24.8	42	234.0	9.6	24.8	13	None	-	-	176.6	200	189	1085	189.6	225	204	1098
													36.0	2	86.6	176.6	200	189	1085	189.6	225	204	1098
													54.0	2	129.9	194.4	225	209	1085	210.7	225	224	1098
	460-3-60	24.7	197	24.7	197	2.1	12.7	21	117.0	4.8	12.7	6.5	None	-	-	89.8	110	96	587	96.3	110	104	594
													36.0	2	43.3	89.8	110	96	587	96.3	110	104	594
													54.0	2	65.0	97.3	110	104	587	105.4	110	112	594
													72.0	2	86.6	118.9	125	129	587	127.0	150	137	594
													90.0	2	108.3	140.6	150	154	587	148.7	150	162	594
	575-3-60	22.4	135	22.4	135	1.6	8.8	18	95.9	4.9	8.8	5.2	None	-	-	79.7	100	85	419	84.9	100	91	424
													54.0	2	52.0	80.6	100	86	419	87.1	100	92	424
													72.0	2	69.3	97.9	110	106	419	104.4	110	112	424
													90.0	2	86.6	115.2	125	126	419	121.7	125	132	424

Table 66: 27.5 ton to 50 ton VFD 2-stage high static with modulating power exhaust

40	208-3-60	48.1	351	48.1	351	4	24.8	59.4	312.0	15.2	40.7	14.4	None	-	-	201.7	250	215	1195	216.1	275	231	1209
													40.6	2	112.7	234.1	250	215	1195	252.1	275	232	1209
	230-3-60	48.1	351	48.1	351	4.2	24.8	59.4	312.0	15.2	40.7	13	None	-	-	202.5	250	216	1195	215.5	250	231	1208
													54.0	2	129.9	223.2	275	235	1195	239.4	275	250	1208
	460-3-60	24.7	197	24.7	197	2.1	12.7	27	156.0	8.2	20.4	6.5	None	-	-	99.8	125	107	642	106.3	125	114	648
													54.0	2	65.0	109.0	125	115	642	117.1	125	123	648
													72.0	2	86.6	130.6	150	140	642	138.7	150	148	648
													90.0	2	108.3	152.3	175	165	642	160.4	175	173	648
													108.0	2	129.9	173.9	175	190	642	182.0	200	197	648
	575-3-60	22.4	135	22.4	135	1.6	8.8	22	126.0	6.1	16.4	5.2	None	-	-	84.9	100	91	464	90.1	110	97	469
													54.0	2	52.0	87.1	100	92	464	93.6	110	98	469
													72.0	2	69.3	104.4	110	112	464	110.9	125	118	469
													90.0	2	86.6	121.7	125	132	464	128.2	150	138	469
													108.0	2	103.9	139.0	150	152	464	145.5	150	158	469
50	208-3-60	67.3	485	67.3	485	7.2	40.7	74.8	312.0	15.2	40.7	14.4	None	-	-	272.1	325	291	1526	286.5	350	308	1541
													40.6	2	112.7	272.1	325	291	1526	286.5	350	308	1541
	230-3-60	67.3	485	67.3	485	6.8	40.7	74.8	312.0	15.2	40.7	13	None	-	-	270.5	325	290	1526	283.5	350	305	1539
													54.0	2	129.9	270.5	325	290	1526	283.5	350	305	1539
	460-3-60	32.7	215	32.7	215	3.4	20.4	27	156.0	8.2	20.4	6.5	None	-	-	122.4	150	131	708	128.9	150	139	715
													54.0	2	65.0	122.4	150	131	708	128.9	150	139	715
													72.0	2	86.6	130.6	150	140	708	138.7	150	148	715
													90.0	2	108.3	152.3	175	165	708	160.4	175	173	715
													108.0	2	129.9	173.9	175	190	708	182.0	200	197	715
	575-3-60	26.3	175	26.3	175	2.7	16.4	22	126.0	6.1	16.4	5.2	None	-	-	98.1	110	105	574	103.3	125	111	580
													54.0	2	52.0	98.1	110	105	574	103.3	125	111	580
													72.0	2	69.3	104.4	110	112	574	110.9	125	118	580
													90.0	2	86.6	121.7	125	132	574	128.2	150	138	580
													108.0	2	103.9	139.0	150	152	574	145.5	150	158	580

VFD 4-stage standard static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC
- disconn. = disconnect

Table 67: 27.5 ton to 50 ton VFD 4-stage standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	22	144.4	14.4	None	-	-	134.1	175	142	846	148.5	175	159	860
													27.0	2	74.9	134.1	175	142	846	148.5	175	159	860
													40.6	2	112.7	168.4	175	155	846	186.4	200	171	860
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	22	144.4	13	None	-	-	134.9	175	143	846	147.9	175	158	859
													36.0	2	86.6	135.8	175	143	846	152.0	175	158	859
													54.0	2	129.9	157.4	175	175	846	173.7	175	190	859
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	11	72.2	6.5	None	-	-	64.6	80	69	420	71.1	90	76	427
													36.0	2	43.3	67.9	80	69	420	76.0	90	76	427
													54.0	2	65.0	78.8	90	87	420	86.9	90	95	427
													72.0	2	86.6	100.4	110	112	420	108.5	110	120	427
													90.0	2	108.3	122.1	150	137	420	130.2	150	145	427
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	9	59.1	5.2	None	-	-	51.7	60	55	324	56.9	70	61	330
													54.0	2	52.0	63.3	70	70	324	69.8	75	76	330
													72.0	2	69.3	80.6	90	90	324	87.1	90	96	330
													90.0	2	86.6	97.9	110	110	324	104.4	110	116	330
30	208-3-60	44.2	315	25	164	25	164	4	24.8	22	144.4	14.4	None	-	-	143.3	175	152	887	157.7	200	169	901
													27.0	2	74.9	143.3	175	152	887	157.7	200	169	901
													40.6	2	112.7	168.4	175	155	887	186.4	200	171	901
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	22	144.4	13	None	-	-	144.1	175	153	887	157.1	200	168	900
													36.0	2	86.6	144.1	175	153	887	157.1	200	168	900
													54.0	2	129.9	157.4	175	175	887	173.7	200	190	900
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	11	72.2	6.5	None	-	-	73.0	90	78	481	79.5	100	85	488
													36.0	2	43.3	73.0	90	78	481	79.5	100	85	488
													54.0	2	65.0	78.8	90	87	481	86.9	100	95	488
													72.0	2	86.6	100.4	110	112	481	108.5	110	120	488
													90.0	2	108.3	122.1	150	137	481	130.2	150	145	488
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	9	59.1	5.2	None	-	-	57.9	75	61	386	63.1	80	67	392
													54.0	2	52.0	63.3	75	70	386	69.8	80	76	392
													72.0	2	69.3	80.6	90	90	386	87.1	90	96	392
													90.0	2	86.6	97.9	110	110	386	104.4	110	116	392

Table 67: 27.5 ton to 50 ton VFD 4-stage standard static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconnect rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconnect rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	22	144.4	14.4	None	-	-	153.3	200	162	977	167.7	200	179	991
													27.0	2	74.9	153.3	200	162	977	167.7	200	179	991
													40.6	2	112.7	168.4	200	162	977	186.4	200	179	991
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	22	144.4	13	None	-	-	154.1	200	163	977	167.1	200	178	990
													36.0	2	86.6	154.1	200	163	977	167.1	200	178	990
													54.0	2	129.9	157.4	200	175	977	173.7	200	190	990
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	11	72.2	6.5	None	-	-	75.9	100	80	520	82.4	100	88	527
													36.0	2	43.3	75.9	100	80	520	82.4	100	88	527
													54.0	2	65.0	78.8	100	87	520	86.9	100	95	527
													72.0	2	86.6	100.4	110	112	520	108.5	110	120	527
													90.0	2	108.3	122.1	150	137	520	130.2	150	145	527
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	9	59.1	5.2	None	-	-	62.6	80	66	385	67.8	90	72	391
													54.0	2	52.0	63.3	80	70	385	69.8	90	76	391
													72.0	2	69.3	80.6	90	90	385	87.1	90	96	391
													90.0	2	86.6	97.9	110	110	385	104.4	110	116	391
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.4	14.4	None	-	-	159.3	200	169	1006	173.7	200	186	1020
													40.6	2	112.7	175.9	200	169	1006	193.9	200	186	1020
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.4	13	None	-	-	160.1	200	170	1006	173.1	200	185	1019
													54.0	2	129.9	164.9	200	182	1006	181.2	200	197	1019
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.7	6.5	None	-	-	78.9	100	84	535	85.4	110	91	541
													54.0	2	65.0	82.5	100	91	535	90.6	110	98	541
													72.0	2	86.6	104.1	110	116	535	112.2	125	123	541
													90.0	2	108.3	125.8	150	141	535	133.9	150	148	541
													108.0	2	129.9	147.4	175	165	535	155.5	175	173	541
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.8	5.2	None	-	-	64.6	80	68	398	69.8	90	74	403
													54.0	2	52.0	65.8	80	72	398	72.3	90	78	403
													72.0	2	69.3	83.1	90	92	398	89.6	90	98	403
													90.0	2	86.6	100.4	110	112	398	106.9	110	118	403
													108.0	2	103.9	117.7	150	132	398	124.2	150	138	403
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	28	173.4	14.4	None	-	-	219.1	275	233	1355	233.5	300	249	1370
													40.6	2	112.7	219.1	275	233	1355	233.5	300	249	1370
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	28	173.4	13	None	-	-	217.5	275	231	1355	230.5	275	246	1368
													54.0	2	129.9	217.5	275	231	1355	230.5	275	246	1368
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	14	86.7	6.5	None	-	-	105.7	125	112	667	112.2	125	120	674
													54.0	2	65.0	105.7	125	112	667	112.2	125	120	674
													72.0	2	86.6	105.7	125	116	667	112.2	125	123	674
													90.0	2	108.3	125.8	150	141	667	133.9	150	148	674
													108.0	2	129.9	147.4	175	165	667	155.5	175	173	674
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	11	71.8	5.2	None	-	-	85.5	110	91	518	90.7	110	97	524
													54.0	2	52.0	85.5	110	91	518	90.7	110	97	524
													72.0	2	69.3	85.5	110	92	518	90.7	110	98	524
													90.0	2	86.6	100.4	110	112	518	106.9	110	118	524
													108.0	2	103.9	117.7	150	132	518	124.2	150	138	524

Table 68: 27.5 ton to 50 ton 4-stage standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	22	144.4	4	24.8	14.4	None	-	-	142.1	175	152	895	156.5	175	168	910
															27.0	2	74.9	142.1	175	152	895	156.5	175	168	910
															40.6	2	112.7	178.4	200	164	895	196.4	200	181	910
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	143.3	175	153	895	156.3	175	168	908
															36.0	2	86.6	146.3	175	153	895	162.5	175	168	908
															54.0	2	129.9	167.9	175	184	895	184.2	200	199	908
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	68.8	80	74	445	75.3	90	81	452
															36.0	2	43.3	73.1	80	74	445	81.3	90	81	452
															54.0	2	65.0	84.0	90	92	445	92.1	100	100	452
															72.0	2	86.6	105.6	110	117	445	113.7	125	125	452
															90.0	2	108.3	127.3	150	142	445	135.4	150	150	452
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	54.9	70	58	342	60.1	75	64	347
															54.0	2	52.0	67.3	75	74	342	73.8	80	80	347
															72.0	2	69.3	84.6	90	94	342	91.1	100	100	347
															90.0	2	86.6	101.9	110	114	342	108.4	110	120	347
30	208-3-60	44.2	315	25	164	25	164	4	24.8	22	144.4	4	24.8	14.4	None	-	-	151.3	175	161	936	165.7	200	178	951
															27.0	2	74.9	151.3	175	161	936	165.7	200	178	951
															40.6	2	112.7	178.4	200	164	936	196.4	200	181	951
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	152.5	175	163	936	165.5	200	178	949
															36.0	2	86.6	152.5	175	163	936	165.5	200	178	949
															54.0	2	129.9	167.9	175	184	936	184.2	200	199	949
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	77.2	90	82	506	83.7	100	90	513
															36.0	2	43.3	77.2	90	82	506	83.7	100	90	513
															54.0	2	65.0	84.0	90	92	506	92.1	100	100	513
															72.0	2	86.6	105.6	110	117	506	113.7	125	125	513
															90.0	2	108.3	127.3	150	142	506	135.4	150	150	513
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	61.1	75	65	404	66.3	80	71	409
															54.0	2	52.0	67.3	75	74	404	73.8	80	80	409
															72.0	2	69.3	84.6	90	94	404	91.1	100	100	409
															90.0	2	86.6	101.9	110	114	404	108.4	110	120	409
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	22	144.4	4	24.8	14.4	None	-	-	161.3	200	172	1026	175.7	200	188	1041
															27.0	2	74.9	161.3	200	172	1026	175.7	200	188	1041
															40.6	2	112.7	178.4	200	172	1026	196.4	200	188	1041
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	22	144.4	4.2	24.8	13	None	-	-	162.5	200	173	1026	175.5	200	188	1039
															36.0	2	86.6	162.5	200	173	1026	175.5	200	188	1039
															54.0	2	129.9	167.9	200	184	1026	184.2	200	199	1039
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	11	72.2	2.1	12.7	6.5	None	-	-	80.1	100	85	545	86.6	110	92	552
															36.0	2	43.3	80.1	100	85	545	86.6	110	92	552
															54.0	2	65.0	84.0	100	92	545	92.1	110	100	552
															72.0	2	86.6	105.6	110	117	545	113.7	125	125	552
															90.0	2	108.3	127.3	150	142	545	135.4	150	150	552
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	9	59.1	1.6	8.8	5.2	None	-	-	65.8	80	69	403	71.0	90	75	408
															54.0	2	52.0	67.3	80	74	403	73.8	90	80	408
															72.0	2	69.3	84.6	90	94	403	91.1	100	100	408
															90.0	2	86.6	101.9	110	114	403	108.4	110	120	408
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.4	7.2	40.7	14.4	None	-	-	173.7	200	186	1087	188.1	225	203	1101
															40.6	2	112.7	193.9	200	186	1087	211.9	225	203	1101
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.4	6.8	40.7	13	None	-	-	173.7	200	186	1087	186.7	225	201	1100
															54.0	2	129.9	181.9	200	197	1087	198.2	225	212	1100
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.7	3.4	20.4	6.5	None	-	-	85.7	110	91	575	92.2	110	99	582
															54.0	2	65.0	91.0	110	99	575	99.1	110	106	582
															72.0	2	86.6	112.6	125	124	575	120.7	125	131	582
															90.0	2	108.3	134.3	150	148	575	142.4	150	156	582
															108.0	2	129.9	155.9	175	173	575	164.0	175	181	582
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.8	2.7	16.4	5.2	None	-	-	70.0	90	74	431	75.2	90	80	436
															54.0	2	52.0	72.5	90	79	431	79.0	90	85	436
															72.0	2	69.3	89.8	90	99	431	96.3	100	105	436
															90.0	2	86.6	107.1	110	118	431	113.6	125	124	436
															108.0	2	103.9	124.4	150	138	431	130.9	150	144	436

Table 68: 27.5 ton to 50 ton 4-stage standard static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	28	173.4	7.2	40.7	14.4	None	-	-	233.5	300	249	1437	247.9	300	266	1451
															40.6	2	112.7	233.5	300	249	1437	247.9	300	266	1451
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	28	173.4	6.8	40.7	13	None	-	-	231.1	275	246	1437	244.1	300	261	1450
															54.0	2	129.9	231.1	275	246	1437	244.1	300	261	1450
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	14	86.7	3.4	20.4	6.5	None	-	-	112.5	125	120	708	119.0	150	127	715
															54.0	2	65.0	112.5	125	120	708	119.0	150	127	715
															72.0	2	86.6	112.6	125	124	708	120.7	150	131	715
															90.0	2	108.3	134.3	150	148	708	142.4	150	156	715
															108.0	2	129.9	155.9	175	173	708	164.0	175	181	715
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	11	71.8	2.7	16.4	5.2	None	-	-	90.9	110	97	551	96.1	110	103	556
															54.0	2	52.0	90.9	110	97	551	96.1	110	103	556
															72.0	2	69.3	90.9	110	99	551	96.3	110	105	556
															90.0	2	86.6	107.1	110	118	551	113.6	125	124	556
															108.0	2	103.9	124.4	150	138	551	130.9	150	144	556

Table 69: 27.5 ton to 50 ton VFD 4-stage standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	143.7	175	153	895	158.1	175	170	910
															27.0	2	74.9	143.7	175	153	895	158.1	175	170	910
															40.6	2	112.7	180.4	200	166	895	198.4	200	183	910
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	144.5	175	154	895	157.5	175	169	908
															36.0	2	86.6	147.8	175	154	895	164.0	175	169	908
															54.0	2	129.9	169.4	175	186	895	185.7	200	201	908
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	69.4	80	74	445	75.9	90	82	452
															36.0	2	43.3	73.9	80	74	445	82.0	90	82	452
															54.0	2	65.0	84.8	90	93	445	92.9	100	100	452
															72.0	2	86.6	106.4	110	118	445	114.5	125	125	452
															90.0	2	108.3	128.1	150	143	445	136.2	150	150	452
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	56.6	70	60	342	61.8	75	66	347
															54.0	2	52.0	69.4	75	76	342	75.9	80	82	347
															72.0	2	69.3	86.7	90	96	342	93.2	100	102	347
															90.0	2	86.6	104.0	110	116	342	110.5	125	122	347
30	208-3-60	44.2	315	25	164	25	164	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	152.9	175	163	936	167.3	200	180	951
															27.0	2	74.9	152.9	175	163	936	167.3	200	180	951
															40.6	2	112.7	180.4	200	166	936	198.4	200	183	951
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	153.7	175	164	936	166.7	200	179	949
															36.0	2	86.6	153.7	175	164	936	166.7	200	179	949
															54.0	2	129.9	169.4	175	186	936	185.7	200	201	949
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	77.8	100	83	506	84.3	100	91	513
															36.0	2	43.3	77.8	100	83	506	84.3	100	91	513
															54.0	2	65.0	84.8	100	93	506	92.9	100	100	513
															72.0	2	86.6	106.4	110	118	506	114.5	125	125	513
															90.0	2	108.3	128.1	150	143	506	136.2	150	150	513
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	62.8	80	67	404	68.0	80	73	409
															54.0	2	52.0	69.4	80	76	404	75.9	80	82	409
															72.0	2	69.3	86.7	90	96	404	93.2	100	102	409
															90.0	2	86.6	104.0	110	116	404	110.5	125	122	409

Table 69: 27.5 ton to 50 ton VFD 4-stage standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	22	144.4	9.6	24.8	14.4	None	-	-	162.9	200	174	1026	177.3	225	190	1041
															27.0	2	74.9	162.9	200	174	1026	177.3	225	190	1041
															40.6	2	112.7	180.4	200	174	1026	198.4	225	190	1041
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	22	144.4	9.6	24.8	13	None	-	-	163.7	200	174	1026	176.7	200	189	1039
															36.0	2	86.6	163.7	200	174	1026	176.7	200	189	1039
															54.0	2	129.9	169.4	200	186	1026	185.7	200	201	1039
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	11	72.2	4.8	12.7	6.5	None	-	-	80.7	100	86	545	87.2	110	93	552
															36.0	2	43.3	80.7	100	86	545	87.2	110	93	552
															54.0	2	65.0	84.8	100	93	545	92.9	110	100	552
															72.0	2	86.6	106.4	110	118	545	114.5	125	125	552
															90.0	2	108.3	128.1	150	143	545	136.2	150	150	552
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	9	59.1	4.9	8.8	5.2	None	-	-	67.5	80	71	403	72.7	90	77	408
															54.0	2	52.0	69.4	80	76	403	75.9	90	82	408
															72.0	2	69.3	86.7	90	96	403	93.2	100	102	408
															90.0	2	86.6	104.0	110	116	403	110.5	125	122	408
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.4	15.2	40.7	14.4	None	-	-	174.5	200	187	1087	188.9	225	203	1101
															40.6	2	112.7	194.9	200	187	1087	212.9	225	203	1101
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.4	15.2	40.7	13	None	-	-	175.3	200	188	1087	188.3	225	203	1100
															54.0	2	129.9	183.9	200	199	1087	200.2	225	214	1100
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.7	8.2	20.4	6.5	None	-	-	87.1	110	93	575	93.6	110	101	582
															54.0	2	65.0	92.8	110	100	575	100.9	110	108	582
															72.0	2	86.6	114.4	125	125	575	122.5	125	133	582
															90.0	2	108.3	136.1	150	150	575	144.2	150	158	582
															108.0	2	129.9	157.7	175	175	575	165.8	175	182	582
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.8	6.1	16.4	5.2	None	-	-	70.7	90	75	431	75.9	90	81	436
															54.0	2	52.0	73.4	90	79	431	79.9	90	85	436
															72.0	2	69.3	90.7	100	99	431	97.2	100	105	436
															90.0	2	86.6	108.0	110	119	431	114.5	125	125	436
															108.0	2	103.9	125.3	150	139	431	131.8	150	145	436
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	28	173.4	15.2	40.7	14.4	None	-	-	234.3	300	250	1437	248.7	300	267	1451
															40.6	2	112.7	234.3	300	250	1437	248.7	300	267	1451
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	28	173.4	15.2	40.7	13	None	-	-	232.7	300	248	1437	245.7	300	263	1450
															54.0	2	129.9	232.7	300	248	1437	245.7	300	263	1450
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	14	86.7	8.2	20.4	6.5	None	-	-	113.9	125	122	708	120.4	150	129	715
															54.0	2	65.0	113.9	125	122	708	120.4	150	129	715
															72.0	2	86.6	114.4	125	125	708	122.5	150	133	715
															90.0	2	108.3	136.1	150	150	708	144.2	150	158	715
															108.0	2	129.9	157.7	175	175	708	165.8	175	182	715
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	11	71.8	6.1	16.4	5.2	None	-	-	91.6	110	98	551	96.8	110	104	556
															54.0	2	52.0	91.6	110	98	551	96.8	110	104	556
															72.0	2	69.3	91.6	110	99	551	97.2	110	105	556
															90.0	2	86.6	108.0	110	119	551	114.5	125	125	556
															108.0	2	103.9	125.3	150	139	551	131.8	150	145	556

VFD 4-stage medium static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC
- disconn. = disconnect

Table 70: 27.5 ton to 50 ton 4-stage medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	28	173.4	14.4	None	-	-	140.1	175	149	875	154.5	175	166	889
													27.0	2	74.9	140.1	175	149	875	154.5	175	166	889
													40.6	2	112.7	175.9	200	162	875	193.9	200	178	889
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	28	173.4	13	None	-	-	140.9	175	150	875	153.9	175	165	888
													36.0	2	86.6	143.3	175	150	875	159.5	175	165	888
													54.0	2	129.9	164.9	175	182	875	181.2	200	197	888
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	14	86.7	6.5	None	-	-	67.6	80	72	435	74.1	90	80	441
													36.0	2	43.3	71.6	80	72	435	79.8	90	80	441
													54.0	2	65.0	82.5	90	91	435	90.6	100	98	441
													72.0	2	86.6	104.1	110	116	435	112.2	125	123	441
													90.0	2	108.3	125.8	150	141	435	133.9	150	148	441
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	11	71.8	5.2	None	-	-	53.7	70	57	337	58.9	75	63	342
													54.0	2	52.0	65.8	75	72	337	72.3	80	78	342
													72.0	2	69.3	83.1	90	92	337	89.6	90	98	342
													90.0	2	86.6	100.4	110	112	337	106.9	110	118	342
30	208-3-60	44.2	315	25	164	25	164	4	24.8	28	173.4	14.4	None	-	-	149.3	175	159	916	163.7	200	175	930
													27.0	2	74.9	149.3	175	159	916	163.7	200	175	930
													40.6	2	112.7	175.9	200	162	916	193.9	200	178	930
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	28	173.4	13	None	-	-	150.1	175	160	916	163.1	200	175	929
													36.0	2	86.6	150.1	175	160	916	163.1	200	175	929
													54.0	2	129.9	164.9	175	182	916	181.2	200	197	929
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	14	86.7	6.5	None	-	-	76.0	90	81	496	82.5	100	88	502
													36.0	2	43.3	76.0	90	81	496	82.5	100	88	502
													54.0	2	65.0	82.5	90	91	496	90.6	100	98	502
													72.0	2	86.6	104.1	110	116	496	112.2	125	123	502
													90.0	2	108.3	125.8	150	141	496	133.9	150	148	502
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	11	71.8	5.2	None	-	-	59.9	75	63	399	65.1	80	69	404
													54.0	2	52.0	65.8	75	72	399	72.3	80	78	404
													72.0	2	69.3	83.1	90	92	399	89.6	90	98	404
													90.0	2	86.6	100.4	110	112	399	106.9	110	118	404

Table 70: 27.5 ton to 50 ton 4-stage medium static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.4	14.4	None	-	-	159.3	200	169	1006	173.7	200	186	1020
													27.0	2	74.9	159.3	200	169	1006	173.7	200	186	1020
													40.6	2	112.7	175.9	200	169	1006	193.9	200	186	1020
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.4	13	None	-	-	160.1	200	170	1006	173.1	200	185	1019
													36.0	2	86.6	160.1	200	170	1006	173.1	200	185	1019
													54.0	2	129.9	164.9	200	182	1006	181.2	200	197	1019
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.7	6.5	None	-	-	78.9	100	84	535	85.4	110	91	541
													36.0	2	43.3	78.9	100	84	535	85.4	110	91	541
													54.0	2	65.0	82.5	100	91	535	90.6	110	98	541
													72.0	2	86.6	104.1	110	116	535	112.2	125	123	541
													90.0	2	108.3	125.8	150	141	535	133.9	150	148	541
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.8	5.2	None	-	-	64.6	80	68	398	69.8	90	74	403
													54.0	2	52.0	65.8	80	72	398	72.3	90	78	403
													72.0	2	69.3	83.1	90	92	398	89.6	90	98	403
													90.0	2	86.6	100.4	110	112	398	106.9	110	118	403
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234.0	14.4	None	-	-	173.3	200	185	1066	187.7	225	202	1081
													40.6	2	112.7	193.4	200	185	1066	211.4	225	202	1081
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234.0	13	None	-	-	174.1	200	186	1066	187.1	225	201	1079
													54.0	2	129.9	182.4	200	198	1066	198.7	225	213	1079
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117.0	6.5	None	-	-	85.9	110	92	565	92.4	110	99	571
													54.0	2	65.0	91.3	110	99	565	99.4	110	106	571
													72.0	2	86.6	112.9	125	124	565	121.0	125	131	571
													90.0	2	108.3	134.6	150	149	565	142.7	150	156	571
													108.0	2	129.9	156.2	175	174	565	164.3	175	181	571
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.9	5.2	None	-	-	71.6	90	76	422	76.8	90	82	427
													54.0	2	52.0	74.5	90	81	422	81.0	90	86	427
													72.0	2	69.3	91.8	100	100	422	98.3	110	106	427
													90.0	2	86.6	109.1	125	120	422	115.6	125	126	427
													108.0	2	103.9	126.4	150	140	422	132.9	150	146	427
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	42	234.0	14.4	None	-	-	233.1	300	249	1416	247.5	300	265	1430
													40.6	2	112.7	233.1	300	249	1416	247.5	300	265	1430
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	42	234.0	13	None	-	-	231.5	275	247	1416	244.5	300	262	1429
													54.0	2	129.9	231.5	275	247	1416	244.5	300	262	1429
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	21	117.0	6.5	None	-	-	112.7	125	120	698	119.2	150	128	704
													54.0	2	65.0	112.7	125	120	698	119.2	150	128	704
													72.0	2	86.6	112.9	125	124	698	121.0	150	131	704
													90.0	2	108.3	134.6	150	149	698	142.7	150	156	704
													108.0	2	129.9	156.2	175	174	698	164.3	175	181	704
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	18	95.9	5.2	None	-	-	92.5	110	99	543	97.7	110	105	548
													54.0	2	52.0	92.5	110	99	543	97.7	110	105	548
													72.0	2	69.3	92.5	110	100	543	98.3	110	106	548
													90.0	2	86.6	109.1	125	120	543	115.6	125	126	548
													108.0	2	103.9	126.4	150	140	543	132.9	150	146	548

Table 71: 27.5 ton to 50 ton 4-stage medium static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	28	173.44	4	24.8	14.4	None	-	-	148.1	175	158	924	162.5	200	175	939
															27.0	2	74.9	148.1	175	158	924	162.5	200	175	939
															40.6	2	112.7	185.9	200	171	924	203.9	225	188	939
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	28	173.44	4.2	24.8	13	None	-	-	149.3	175	160	924	162.3	200	175	937
															36.0	2	86.6	153.8	175	160	924	170.0	200	175	937
															54.0	2	129.9	175.4	200	191	924	191.7	200	206	937
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	14	86.72	2.1	12.7	6.5	None	-	-	71.8	90	77	460	78.3	90	85	466
															36.0	2	43.3	76.9	90	77	460	85.0	90	85	466
															54.0	2	65.0	87.8	100	96	460	95.9	100	103	466
															72.0	2	86.6	109.4	110	121	460	117.5	125	128	466
															90.0	2	108.3	131.1	150	145	460	139.2	150	153	466
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	11	71.77	1.6	8.8	5.2	None	-	-	56.9	70	61	355	62.1	75	67	360
															54.0	2	52.0	69.8	75	76	355	76.3	80	82	360
															72.0	2	69.3	87.1	90	96	355	93.6	100	102	360
															90.0	2	86.6	104.4	110	116	355	110.9	125	122	360
30	208-3-60	44.2	315	25	164	25	164	4	24.8	28	173.44	4	24.8	14.4	None	-	-	157.3	200	168	965	171.7	200	185	980
															27.0	2	74.9	157.3	200	168	965	171.7	200	185	980
															40.6	2	112.7	185.9	200	171	965	203.9	225	188	980
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	28	173.44	4.2	24.8	13	None	-	-	158.5	200	170	965	171.5	200	184	978
															36.0	2	86.6	158.5	200	170	965	171.5	200	184	978
															54.0	2	129.9	175.4	200	191	965	191.7	200	206	978
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	14	86.72	2.1	12.7	6.5	None	-	-	80.2	100	86	521	86.7	100	93	527
															36.0	2	43.3	80.2	100	86	521	86.7	100	93	527
															54.0	2	65.0	87.8	100	96	521	95.9	100	103	527
															72.0	2	86.6	109.4	110	121	521	117.5	125	128	527
															90.0	2	108.3	131.1	150	145	521	139.2	150	153	527
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	11	71.77	1.6	8.8	5.2	None	-	-	63.1	80	67	417	68.3	80	73	422
															54.0	2	52.0	69.8	80	76	417	76.3	80	82	422
															72.0	2	69.3	87.1	90	96	417	93.6	100	102	422
															90.0	2	86.6	104.4	110	116	417	110.9	125	122	422
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.44	4	24.8	14.4	None	-	-	167.3	200	179	1055	181.7	225	195	1070
															27.0	2	74.9	167.3	200	179	1055	181.7	225	195	1070
															40.6	2	112.7	185.9	200	179	1055	203.9	225	195	1070
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.44	4.2	24.8	13	None	-	-	168.5	200	180	1055	181.5	225	195	1068
															36.0	2	86.6	168.5	200	180	1055	181.5	225	195	1068
															54.0	2	129.9	175.4	200	191	1055	191.7	225	206	1068
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.72	2.1	12.7	6.5	None	-	-	83.1	100	88	560	89.6	110	96	566
															36.0	2	43.3	83.1	100	88	560	89.6	110	96	566
															54.0	2	65.0	87.8	100	96	560	95.9	110	103	566
															72.0	2	86.6	109.4	110	121	560	117.5	125	128	566
															90.0	2	108.3	131.1	150	145	560	139.2	150	153	566
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.77	1.6	8.8	5.2	None	-	-	67.8	90	72	416	73.0	90	78	421
															54.0	2	52.0	69.8	90	76	416	76.3	90	82	421
															72.0	2	69.3	87.1	90	96	416	93.6	100	102	421
															90.0	2	86.6	104.4	110	116	416	110.9	125	122	421
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234.0	7.2	40.7	14.4	None	-	-	187.7	225	202	1148	202.1	250	219	1162
															40.6	2	112.7	211.4	225	202	1148	229.4	250	219	1162
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234.0	6.8	40.7	13	None	-	-	187.7	225	202	1148	200.7	225	217	1161
															54.0	2	129.9	199.4	225	213	1148	215.7	250	228	1161
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117.0	3.4	20.4	6.5	None	-	-	92.7	110	99	606	99.2	110	107	612
															54.0	2	65.0	99.8	110	107	606	107.9	125	114	612
															72.0	2	86.6	121.4	125	132	606	129.5	150	139	612
															90.0	2	108.3	143.1	150	157	606	151.2	175	164	612
															108.0	2	129.9	164.7	175	181	606	172.8	175	189	612
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.9	2.7	16.4	5.2	None	-	-	77.0	90	82	455	82.2	100	88	460
															54.0	2	52.0	81.3	90	87	455	87.8	100	93	460
															72.0	2	69.3	98.6	110	107	455	105.1	110	113	460
															90.0	2	86.6	115.9	125	127	455	122.4	125	132	460
															108.0	2	103.9	133.2	150	146	455	139.7	150	152	460

Table 71: 27.5 ton to 50 ton 4-stage medium static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	42	234.0	7.2	40.7	14.4	None	-	-	247.5	300	265	1497	261.9	325	282	1512
															40.6	2	112.7	247.5	300	265	1497	261.9	325	282	1512
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	42	234.0	6.8	40.7	13	None	-	-	245.1	300	263	1497	258.1	325	277	1510
															54.0	2	129.9	245.1	300	263	1497	258.1	325	277	1510
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	21	117.0	3.4	20.4	6.5	None	-	-	119.5	150	128	738	126.0	150	135	745
															54.0	2	65.0	119.5	150	128	738	126.0	150	135	745
															72.0	2	86.6	121.4	150	132	738	129.5	150	139	745
															90.0	2	108.3	143.1	150	157	738	151.2	175	164	745
															108.0	2	129.9	164.7	175	181	738	172.8	175	189	745
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	18	95.9	2.7	16.4	5.2	None	-	-	97.9	110	105	575	103.1	125	111	581
															54.0	2	52.0	97.9	110	105	575	103.1	125	111	581
															72.0	2	69.3	98.6	110	107	575	105.1	125	113	581
															90.0	2	86.6	115.9	125	127	575	122.4	125	132	581
															108.0	2	103.9	133.2	150	146	575	139.7	150	152	581

Table 72: 27.5 ton to 50 ton 4-stage medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	28	173.44	9.6	24.8	14.4	None	-	-	149.7	175	160	924	164.1	200	177	939
															27.0	2	74.9	149.7	175	160	924	164.1	200	177	939
															40.6	2	112.7	187.9	200	173	924	205.9	225	189	939
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	28	173.44	9.6	24.8	13	None	-	-	150.5	175	161	924	163.5	200	176	937
															36.0	2	86.6	155.3	175	161	924	171.5	200	176	937
															54.0	2	129.9	176.9	200	193	924	193.2	200	208	937
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	14	86.72	4.8	12.7	6.5	None	-	-	72.4	90	78	460	78.9	90	85	466
															36.0	2	43.3	77.6	90	78	460	85.8	90	85	466
															54.0	2	65.0	88.5	100	96	460	96.6	100	104	466
															72.0	2	86.6	110.1	125	121	460	118.2	125	129	466
															90.0	2	108.3	131.8	150	146	460	139.9	150	154	466
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	11	71.77	4.9	8.8	5.2	None	-	-	58.6	75	63	355	63.8	80	69	360
															54.0	2	52.0	71.9	80	78	355	78.4	80	84	360
															72.0	2	69.3	89.2	90	98	355	95.7	100	104	360
															90.0	2	86.6	106.5	110	118	355	113.0	125	124	360
30	208-3-60	44.2	315	25	164	25	164	4	24.8	28	173.44	9.6	24.8	14.4	None	-	-	158.9	200	170	965	173.3	200	187	980
															27.0	2	74.9	158.9	200	170	965	173.3	200	187	980
															40.6	2	112.7	187.9	200	173	965	205.9	225	189	980
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	28	173.44	9.6	24.8	13	None	-	-	159.7	200	171	965	172.7	200	186	978
															36.0	2	86.6	159.7	200	171	965	172.7	200	186	978
															54.0	2	129.9	176.9	200	193	965	193.2	200	208	978
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	14	86.72	4.8	12.7	6.5	None	-	-	80.8	100	86	521	87.3	100	94	527
															36.0	2	43.3	80.8	100	86	521	87.3	100	94	527
															54.0	2	65.0	88.5	100	96	521	96.6	100	104	527
															72.0	2	86.6	110.1	125	121	521	118.2	125	129	527
															90.0	2	108.3	131.8	150	146	521	139.9	150	154	527
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	11	71.77	4.9	8.8	5.2	None	-	-	64.8	80	69	417	70.0	80	75	422
															54.0	2	52.0	71.9	80	78	417	78.4	80	84	422
															72.0	2	69.3	89.2	90	98	417	95.7	100	104	422
															90.0	2	86.6	106.5	110	118	417	113.0	125	124	422

Table 72: 27.5 ton to 50 ton 4-stage medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	28	173.44	9.6	24.8	14.4	None	-	-	168.9	200	180	1055	183.3	225	197	1070
															27.0	2	74.9	168.9	200	180	1055	183.3	225	197	1070
															40.6	2	112.7	187.9	200	180	1055	205.9	225	197	1070
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	28	173.44	9.6	24.8	13	None	-	-	169.7	200	181	1055	182.7	225	196	1068
															36.0	2	86.6	169.7	200	181	1055	182.7	225	196	1068
															54.0	2	129.9	176.9	200	193	1055	193.2	225	208	1068
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	14	86.72	4.8	12.7	6.5	None	-	-	83.7	100	89	560	90.2	110	97	566
															36.0	2	43.3	83.7	100	89	560	90.2	110	97	566
															54.0	2	65.0	88.5	100	96	560	96.6	110	104	566
															72.0	2	86.6	110.1	125	121	560	118.2	125	129	566
															90.0	2	108.3	131.8	150	146	560	139.9	150	154	566
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	11	71.77	4.9	8.8	5.2	None	-	-	69.5	90	73	416	74.7	90	79	421
															54.0	2	52.0	71.9	90	78	416	78.4	90	84	421
															72.0	2	69.3	89.2	90	98	416	95.7	100	104	421
															90.0	2	86.6	106.5	110	118	416	113.0	125	124	421
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234.0	15.2	40.7	14.4	None	-	-	188.5	225	203	1148	202.9	250	220	1162
															40.6	2	112.7	212.4	225	203	1148	230.4	250	220	1162
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234.0	15.2	40.7	13	None	-	-	189.3	225	204	1148	202.3	250	219	1161
															54.0	2	129.9	201.4	225	215	1148	217.7	250	230	1161
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117.0	8.2	20.4	6.5	None	-	-	94.1	110	101	606	100.6	125	109	612
															54.0	2	65.0	101.5	110	108	606	109.6	125	116	612
															72.0	2	86.6	123.1	125	133	606	131.2	150	141	612
															90.0	2	108.3	144.8	150	158	606	152.9	175	166	612
															108.0	2	129.9	166.4	175	183	606	174.5	175	190	612
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.9	6.1	16.4	5.2	None	-	-	77.7	100	83	455	82.9	100	89	460
															54.0	2	52.0	82.1	100	88	455	88.6	100	93	460
															72.0	2	69.3	99.4	110	107	455	105.9	110	113	460
															90.0	2	86.6	116.7	125	127	455	123.2	125	133	460
															108.0	2	103.9	134.0	150	147	455	140.5	150	153	460
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	42	234.0	15.2	40.7	14.4	None	-	-	248.3	300	266	1497	262.7	325	283	1512
															40.6	2	112.7	248.3	300	266	1497	262.7	325	283	1512
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	42	234.0	15.2	40.7	13	None	-	-	246.7	300	264	1497	259.7	325	279	1510
															54.0	2	129.9	246.7	300	264	1497	259.7	325	279	1510
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	21	117.0	8.2	20.4	6.5	None	-	-	120.9	150	130	738	127.4	150	137	745
															54.0	2	65.0	120.9	150	130	738	127.4	150	137	745
															72.0	2	86.6	123.1	150	133	738	131.2	150	141	745
															90.0	2	108.3	144.8	150	158	738	152.9	175	166	745
															108.0	2	129.9	166.4	175	183	738	174.5	175	190	745
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	18	95.9	6.1	16.4	5.2	None	-	-	98.6	110	106	575	103.8	125	112	581
															54.0	2	52.0	98.6	110	106	575	103.8	125	112	581
															72.0	2	69.3	99.4	110	107	575	105.9	125	113	581
															90.0	2	86.6	116.7	125	127	575	123.2	125	133	581
															108.0	2	103.9	134.0	150	147	575	140.5	150	153	581

VFD 4-stage high static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC
- disconn. = disconnect

Table 73: 27.5 ton to 50 ton VFD 4-stage high static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	42	234.0	14.4	None	-	-	154.3	175	165	935	168.7	200	182	950
													27.0	2	74.9	154.3	175	165	935	168.7	200	182	950
													40.6	2	112.7	193.4	200	178	935	211.4	225	194	950
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	42	234.0	13	None	-	-	155.1	175	166	935	168.1	200	181	948
													36.0	2	86.6	160.8	175	166	935	177.0	200	181	948
													54.0	2	129.9	182.4	200	198	935	198.7	225	213	948
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	21	117.0	6.5	None	-	-	75.1	90	80	465	81.6	100	88	471
													36.0	2	43.3	80.4	90	80	465	88.5	100	88	471
													54.0	2	65.0	91.3	110	99	465	99.4	110	106	471
													72.0	2	86.6	112.9	125	124	465	121.0	125	131	471
													90.0	2	108.3	134.6	150	149	465	142.7	150	156	471
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	18	95.9	5.2	None	-	-	61.0	75	65	361	66.2	80	71	366
													54.0	2	52.0	74.5	90	81	361	81.0	90	86	366
													72.0	2	69.3	91.8	100	100	361	98.3	110	106	366
													90.0	2	86.6	109.1	125	120	361	115.6	125	126	366
30	208-3-60	44.2	315	25	164	25	164	4	24.8	42	234.0	14.4	None	-	-	163.3	200	175	976	177.7	200	192	991
													27.0	2	74.9	163.3	200	175	976	177.7	200	192	991
													40.6	2	112.7	193.4	200	178	976	211.4	225	194	991
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	42	234.0	13	None	-	-	164.1	200	176	976	177.1	200	191	989
													36.0	2	86.6	164.1	200	176	976	177.1	200	191	989
													54.0	2	129.9	182.4	200	198	976	198.7	225	213	989
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	21	117.0	6.5	None	-	-	83.0	100	89	526	89.5	110	96	532
													36.0	2	43.3	83.0	100	89	526	89.5	110	96	532
													54.0	2	65.0	91.3	110	99	526	99.4	110	106	532
													72.0	2	86.6	112.9	125	124	526	121.0	125	131	532
													90.0	2	108.3	134.6	150	149	526	142.7	150	156	532
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	18	95.9	5.2	None	-	-	66.9	80	72	423	72.1	90	78	428
													54.0	2	52.0	74.5	90	81	423	81.0	90	86	428
													72.0	2	69.3	91.8	100	100	423	98.3	110	106	428
													90.0	2	86.6	109.1	125	120	423	115.6	125	126	428

Table 73: 27.5 ton to 50 ton VFD 4-stage high static without power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234.0	14.4	None	-	-	173.3	200	185	1066	187.7	225	202	1081
													27.0	2	74.9	173.3	200	185	1066	187.7	225	202	1081
													40.6	2	112.7	193.4	200	185	1066	211.4	225	202	1081
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234.0	13	None	-	-	174.1	200	186	1066	187.1	225	201	1079
													36.0	2	86.6	174.1	200	186	1066	187.1	225	201	1079
													54.0	2	129.9	182.4	200	198	1066	198.7	225	213	1079
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117.0	6.5	None	-	-	85.9	110	92	565	92.4	110	99	571
													36.0	2	43.3	85.9	110	92	565	92.4	110	99	571
													54.0	2	65.0	91.3	110	99	565	99.4	110	106	571
													72.0	2	86.6	112.9	125	124	565	121.0	125	131	571
													90.0	2	108.3	134.6	150	149	565	142.7	150	156	571
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.9	5.2	None	-	-	71.6	90	76	422	76.8	90	82	427
													54.0	2	52.0	74.5	90	81	422	81.0	90	86	427
													72.0	2	69.3	91.8	100	100	422	98.3	110	106	427
													90.0	2	86.6	109.1	125	120	422	115.6	125	126	427
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	59.4	312.0	14.4	None	-	-	193.6	250	206	1144	208.0	250	222	1159
													40.6	2	112.7	215.1	250	206	1144	233.1	250	222	1159
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	59.4	312.0	13	None	-	-	194.4	250	206	1144	207.4	250	221	1157
													54.0	2	129.9	204.2	250	218	1144	220.4	275	233	1157
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	27	156.0	6.5	None	-	-	92.5	110	99	604	99.0	125	106	610
													54.0	2	65.0	98.8	125	106	604	106.9	125	113	610
													72.0	2	86.6	120.4	125	131	604	128.5	150	138	610
													90.0	2	108.3	142.1	150	156	604	150.2	175	163	610
													108.0	2	129.9	163.7	175	180	604	171.8	175	188	610
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	22	126.0	5.2	None	-	-	75.6	90	81	452	80.8	100	86	457
													54.0	2	52.0	79.5	100	85	452	86.0	100	91	457
													72.0	2	69.3	96.8	110	105	452	103.3	110	111	457
													90.0	2	86.6	114.1	125	125	452	120.6	125	131	457
													108.0	2	103.9	131.4	150	145	452	137.9	150	151	457
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	74.8	312.0	14.4	None	-	-	267.8	325	286	1494	282.2	350	303	1508
													40.6	2	112.7	267.8	325	286	1494	282.2	350	303	1508
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	74.8	312.0	13	None	-	-	266.2	325	285	1494	279.2	350	300	1507
													54.0	2	129.9	266.2	325	285	1494	279.2	350	300	1507
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	27	156.0	6.5	None	-	-	118.7	150	127	737	125.2	150	135	743
													54.0	2	65.0	118.7	150	127	737	125.2	150	135	743
													72.0	2	86.6	120.4	150	131	737	128.5	150	138	743
													90.0	2	108.3	142.1	150	156	737	150.2	175	163	743
													108.0	2	129.9	163.7	175	180	737	171.8	175	188	743
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	22	126.0	5.2	None	-	-	96.5	110	103	573	101.7	125	109	578
													54.0	2	52.0	96.5	110	103	573	101.7	125	109	578
													72.0	2	69.3	96.8	110	105	573	103.3	125	111	578
													90.0	2	86.6	114.1	125	125	573	120.6	125	131	578
													108.0	2	103.9	131.4	150	145	573	137.9	150	151	578

Table 74: 27.5 ton to 50 ton VFD 4-stage high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	42	234	4	24.8	14.4	None	-	-	162.3	200	175	985	176.7	200	191	999
															27.0	2	74.9	162.3	200	175	985	176.7	200	191	999
															40.6	2	112.7	203.4	225	187	985	221.4	225	204	999
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	42	234	4.2	24.8	13	None	-	-	163.5	200	176	985	176.5	200	191	998
															36.0	2	86.6	171.3	200	176	985	187.5	200	191	998
															54.0	2	129.9	192.9	225	207	985	209.2	225	222	998
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	21	117	2.1	12.7	6.5	None	-	-	79.3	100	85	490	85.8	100	93	497
															36.0	2	43.3	85.6	100	85	490	93.8	100	93	497
															54.0	2	65.0	96.5	110	104	490	104.6	110	111	497
															72.0	2	86.6	118.1	125	129	490	126.2	150	136	497
															90.0	2	108.3	139.8	150	154	490	147.9	150	161	497
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	18	95.94	1.6	8.8	5.2	None	-	-	64.2	80	69	379	69.4	80	75	384
															54.0	2	52.0	78.5	90	84	379	85.0	100	90	384
															72.0	2	69.3	95.8	110	104	379	102.3	110	110	384
															90.0	2	86.6	113.1	125	124	379	119.6	125	130	384
30	208-3-60	44.2	315	25	164	25	164	4	24.8	42	234	4	24.8	14.4	None	-	-	171.3	200	184	1026	185.7	225	201	1040
															27.0	2	74.9	171.3	200	184	1026	185.7	225	201	1040
															40.6	2	112.7	203.4	225	187	1026	221.4	225	204	1040
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	42	234	4.2	24.8	13	None	-	-	172.5	200	186	1026	185.5	225	201	1039
															36.0	2	86.6	172.5	200	186	1026	187.5	225	201	1039
															54.0	2	129.9	192.9	225	207	1026	209.2	225	222	1039
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	21	117	2.1	12.7	6.5	None	-	-	87.2	100	94	551	93.7	110	101	558
															36.0	2	43.3	87.2	100	94	551	93.8	110	101	558
															54.0	2	65.0	96.5	110	104	551	104.6	110	111	558
															72.0	2	86.6	118.1	125	129	551	126.2	150	136	558
															90.0	2	108.3	139.8	150	154	551	147.9	150	161	558
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	18	95.94	1.6	8.8	5.2	None	-	-	70.1	80	75	441	75.3	90	81	446
															54.0	2	52.0	78.5	90	84	441	85.0	100	90	446
															72.0	2	69.3	95.8	110	104	441	102.3	110	110	446
															90.0	2	86.6	113.1	125	124	441	119.6	125	130	446
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234	4	24.8	14.4	None	-	-	181.3	225	195	1116	195.7	225	211	1130
															27.0	2	74.9	181.3	225	195	1116	195.7	225	211	1130
															40.6	2	112.7	203.4	225	195	1116	221.4	225	211	1130
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234	4.2	24.8	13	None	-	-	182.5	225	196	1116	195.5	225	211	1129
															36.0	2	86.6	182.5	225	196	1116	195.5	225	211	1129
															54.0	2	129.9	192.9	225	207	1116	209.2	225	222	1129
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117	2.1	12.7	6.5	None	-	-	90.1	110	96	590	96.6	110	104	597
															36.0	2	43.3	90.1	110	96	590	96.6	110	104	597
															54.0	2	65.0	96.5	110	104	590	104.6	110	111	597
															72.0	2	86.6	118.1	125	129	590	126.2	150	136	597
															90.0	2	108.3	139.8	150	154	590	147.9	150	161	597
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.94	1.6	8.8	5.2	None	-	-	74.8	90	80	440	80.0	100	86	445
															54.0	2	52.0	78.5	90	84	440	85.0	100	90	445
															72.0	2	69.3	95.8	110	104	440	102.3	110	110	445
															90.0	2	86.6	113.1	125	124	440	119.6	125	130	445
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	59.4	312.0	7.2	40.7	14.4	None	-	-	208.0	250	222	1226	222.4	275	239	1240
															40.6	2	112.7	233.1	250	222	1226	251.1	275	239	1240
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	59.4	312.0	6.8	40.7	13	None	-	-	208.0	250	222	1226	221.0	275	237	1239
															54.0	2	129.9	221.2	275	233	1226	237.4	275	248	1239
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	27	156.0	3.4	20.4	6.5	None	-	-	99.3	125	106	645	105.8	125	114	651
															54.0	2	65.0	107.3	125	114	645	115.4	125	121	651
															72.0	2	86.6	128.9	150	138	645	137.0	150	146	651
															90.0	2	108.3	150.6	175	163	645	158.7	175	171	651
															108.0	2	129.9	172.2	175	188	645	180.3	200	196	651
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	22	126.0	2.7	16.4	5.2	None	-	-	81.0	100	87	485	86.2	100	93	490
															54.0	2	52.0	86.3	100	91	485	92.8	110	97	490
															72.0	2	69.3	103.6	110	111	485	110.1	125	117	490
															90.0	2	86.6	120.9	125	131	485	127.4	150	137	490
															108.0	2	103.9	138.2	150	151	485	144.7	150	157	490

Table 74: 27.5 ton to 50 ton VFD 4-stage high static with on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	74.8	312.0	7.2	40.7	14.4	None	-	-	282.2	350	303	1575	296.6	350	320	1590
															40.6	2	112.7	282.2	350	303	1575	296.6	350	320	1590
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	74.8	312.0	6.8	40.7	13	None	-	-	279.8	350	300	1575	292.8	350	315	1588
															54.0	2	129.9	279.8	350	300	1575	292.8	350	315	1588
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	27	156.0	3.4	20.4	6.5	None	-	-	125.5	150	135	777	132.0	150	142	784
															54.0	2	65.0	125.5	150	135	777	132.0	150	142	784
															72.0	2	86.6	128.9	150	138	777	137.0	150	146	784
															90.0	2	108.3	150.6	175	163	777	158.7	175	171	784
															108.0	2	129.9	172.2	175	188	777	180.3	200	196	784
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	22	126.0	2.7	16.4	5.2	None	-	-	101.9	125	110	605	107.1	125	116	611
															54.0	2	52.0	101.9	125	110	605	107.1	125	116	611
															72.0	2	69.3	103.6	125	111	605	110.1	125	117	611
															90.0	2	86.6	120.9	125	131	605	127.4	150	137	611
															108.0	2	103.9	138.2	150	151	605	144.7	150	157	611

Table 75: 27.5 ton to 50 ton VFD 4-stage high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	42	234	9.6	24.8	14.4	None	-	-	163.9	200	176	985	178.3	200	193	999
															27.0	2	74.9	163.9	200	176	985	178.3	200	193	999
															40.6	2	112.7	205.4	225	189	985	223.4	225	206	999
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	42	234	9.6	24.8	13	None	-	-	164.7	200	177	985	177.7	200	192	998
															36.0	2	86.6	172.8	200	177	985	189.0	200	192	998
															54.0	2	129.9	194.4	225	209	985	210.7	225	224	998
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	21	117	4.8	12.7	6.5	None	-	-	79.9	100	86	490	86.4	100	93	497
															36.0	2	43.3	86.4	100	86	490	94.5	100	93	497
															54.0	2	65.0	97.3	110	104	490	105.4	110	112	497
															72.0	2	86.6	118.9	125	129	490	127.0	150	137	497
															90.0	2	108.3	140.6	150	154	490	148.7	150	162	497
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	18	95.94	4.9	8.8	5.2	None	-	-	65.9	80	71	379	71.1	80	77	384
															54.0	2	52.0	80.6	90	86	379	87.1	100	92	384
															72.0	2	69.3	97.9	110	106	379	104.4	110	112	384
															90.0	2	86.6	115.2	125	126	379	121.7	125	132	384
30	208-3-60	44.2	315	25	164	25	164	4	24.8	42	234	9.6	24.8	14.4	None	-	-	172.9	200	186	1026	187.3	225	203	1040
															27.0	2	74.9	172.9	200	186	1026	187.3	225	203	1040
															40.6	2	112.7	205.4	225	189	1026	223.4	225	206	1040
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	42	234	9.6	24.8	13	None	-	-	173.7	200	187	1026	186.7	225	202	1039
															36.0	2	86.6	173.7	200	187	1026	189.0	225	202	1039
															54.0	2	129.9	194.4	225	209	1026	210.7	225	224	1039
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	21	117	4.8	12.7	6.5	None	-	-	87.8	110	95	551	94.3	110	102	558
															36.0	2	43.3	87.8	110	95	551	94.5	110	102	558
															54.0	2	65.0	97.3	110	104	551	105.4	110	112	558
															72.0	2	86.6	118.9	125	129	551	127.0	150	137	558
															90.0	2	108.3	140.6	150	154	551	148.7	150	162	558
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	18	95.94	4.9	8.8	5.2	None	-	-	71.8	90	77	441	77.0	90	83	446
															54.0	2	52.0	80.6	90	86	441	87.1	100	92	446
															72.0	2	69.3	97.9	110	106	441	104.4	110	112	446
															90.0	2	86.6	115.2	125	126	441	121.7	125	132	446

Table 75: 27.5 ton to 50 ton VFD 4-stage high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan motors each FLA	OD Fan motors each LRA	Supply blower motor FLA	Supply blower motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating / 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	42	234	9.6	24.8	14.4	None	-	-	182.9	225	197	1116	197.3	225	213	1130
															27.0	2	74.9	182.9	225	197	1116	197.3	225	213	1130
															40.6	2	112.7	205.4	225	197	1116	223.4	225	213	1130
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	42	234	9.6	24.8	13	None	-	-	183.7	225	197	1116	196.7	225	212	1129
															36.0	2	86.6	183.7	225	197	1116	196.7	225	212	1129
															54.0	2	129.9	194.4	225	209	1116	210.7	225	224	1129
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	21	117	4.8	12.7	6.5	None	-	-	90.7	110	97	590	97.2	110	105	597
															36.0	2	43.3	90.7	110	97	590	97.2	110	105	597
															54.0	2	65.0	97.3	110	104	590	105.4	110	112	597
															72.0	2	86.6	118.9	125	129	590	127.0	150	137	597
															90.0	2	108.3	140.6	150	154	590	148.7	150	162	597
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	18	95.94	4.9	8.8	5.2	None	-	-	76.5	90	82	440	81.7	100	88	445
															54.0	2	52.0	80.6	90	86	440	87.1	100	92	445
															72.0	2	69.3	97.9	110	106	440	104.4	110	112	445
															90.0	2	86.6	115.2	125	126	440	121.7	125	132	445
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	59.4	312.0	15.2	40.7	14.4	None	-	-	208.8	250	223	1226	223.2	275	240	1240
															40.6	2	112.7	234.1	250	223	1226	252.1	275	240	1240
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	59.4	312.0	15.2	40.7	13	None	-	-	209.6	250	224	1226	222.6	275	239	1239
															54.0	2	129.9	223.2	275	235	1226	239.4	275	250	1239
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	27	156.0	8.2	20.4	6.5	None	-	-	100.7	125	108	645	107.2	125	115	651
															54.0	2	65.0	109.0	125	115	645	117.1	125	123	651
															72.0	2	86.6	130.6	150	140	645	138.7	150	148	651
															90.0	2	108.3	152.3	175	165	645	160.4	175	173	651
															108.0	2	129.9	173.9	175	190	645	182.0	200	197	651
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	22	126.0	6.1	16.4	5.2	None	-	-	81.7	100	88	485	86.9	100	93	490
															54.0	2	52.0	87.1	100	92	485	93.6	110	98	490
															72.0	2	69.3	104.4	110	112	485	110.9	125	118	490
															90.0	2	86.6	121.7	125	132	485	128.2	150	138	490
															108.0	2	103.9	139.0	150	152	485	145.5	150	158	490
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	74.8	312.0	15.2	40.7	14.4	None	-	-	283.0	350	304	1575	297.4	350	321	1590
															40.6	2	112.7	283.0	350	304	1575	297.4	350	321	1590
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	74.8	312.0	15.2	40.7	13	None	-	-	281.4	350	302	1575	294.4	350	317	1588
															54.0	2	129.9	281.4	350	302	1575	294.4	350	317	1588
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	27	156.0	8.2	20.4	6.5	None	-	-	126.9	150	137	777	133.4	150	144	784
															54.0	2	65.0	126.9	150	137	777	133.4	150	144	784
															72.0	2	86.6	130.6	150	140	777	138.7	150	148	784
															90.0	2	108.3	152.3	175	165	777	160.4	175	173	784
															108.0	2	129.9	173.9	175	190	777	182.0	200	197	784
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	22	126.0	6.1	16.4	5.2	None	-	-	102.6	125	110	605	107.8	125	116	611
															54.0	2	52.0	102.6	125	110	605	107.8	125	116	611
															72.0	2	69.3	104.4	125	112	605	110.9	125	118	611
															90.0	2	86.6	121.7	125	132	605	128.2	150	138	611
															108.0	2	103.9	139.0	150	152	605	145.5	150	158	611

VFD Customer Supplied standard static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- disconn. = disconnect
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 76: 27.5 ton to 50 ton VFD customer supplied standard static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	19.4	144.4	14.4	None	-	-	131.5	150	139	846	145.9	175	156	860
													27.0	2	74.9	131.5	150	139	846	145.9	175	156	860
													40.6	2	112.7	165.1	175	152	846	183.1	200	168	860
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	19.4	144.4	13	None	-	-	132.3	150	140	846	145.3	175	155	859
													36.0	2	86.6	132.5	150	140	846	148.8	175	155	859
													54.0	2	129.9	154.2	175	172	846	170.4	175	187	859
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	9.7	72.2	6.5	None	-	-	63.3	80	67	420	69.8	80	75	427
													36.0	2	43.3	66.3	80	67	420	74.4	80	75	427
													54.0	2	65.0	77.1	90	86	420	85.3	90	93	427
													72.0	2	86.6	98.7	110	111	420	106.9	110	118	427
													90.0	2	108.3	120.4	150	136	420	128.6	150	143	427
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	8.01	59.1	5.2	None	-	-	50.7	60	53	324	55.9	70	59	330
													54.0	2	52.0	62.0	70	69	324	68.5	75	75	330
													72.0	2	69.3	79.3	90	89	324	85.8	90	95	330
													90.0	2	86.6	96.6	110	109	324	103.1	110	115	330
30	208-3-60	44.2	315	25	164	25	164	4	24.8	19.4	144.4	14.4	None	-	-	140.7	175	149	887	155.1	175	166	901
													27.0	2	74.9	140.7	175	149	887	155.1	175	166	901
													40.6	2	112.7	165.1	175	152	887	183.1	200	168	901
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	19.4	144.4	13	None	-	-	141.5	175	150	887	154.5	175	165	900
													36.0	2	86.6	141.5	175	150	887	154.5	175	165	900
													54.0	2	129.9	154.2	175	172	887	170.4	175	187	900
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	9.7	72.2	6.5	None	-	-	71.7	90	76	481	78.2	100	83	488
													36.0	2	43.3	71.7	90	76	481	78.2	100	83	488
													54.0	2	65.0	77.1	90	86	481	85.3	100	93	488
													72.0	2	86.6	98.7	110	111	481	106.9	110	118	488
													90.0	2	108.3	120.4	150	136	481	128.6	150	143	488
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	8.01	59.1	5.2	None	-	-	56.9	75	60	386	62.1	80	66	392
													54.0	2	52.0	62.0	75	69	386	68.5	80	75	392
													72.0	2	69.3	79.3	90	89	386	85.8	90	95	392
													90.0	2	86.6	96.6	110	109	386	103.1	110	115	392
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	19.4	144.4	14.4	None	-	-	150.7	175	160	977	165.1	200	176	991
													27.0	2	74.9	150.7	175	160	977	165.1	200	176	991
													40.6	2	112.7	165.1	175	160	977	183.1	200	176	991
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	19.4	144.4	13	None	-	-	151.5	175	160	977	164.5	200	175	990
													36.0	2	86.6	151.5	175	160	977	164.5	200	175	990
													54.0	2	129.9	154.2	175	172	977	170.4	200	187	990
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	9.7	72.2	6.5	None	-	-	74.6	90	79	520	81.1	100	86	527
													36.0	2	43.3	74.6	90	79	520	81.1	100	86	527
													54.0	2	65.0	77.1	90	86	520	85.3	100	93	527
													72.0	2	86.6	98.7	110	111	520	106.9	110	118	527
													90.0	2	108.3	120.4	150	136	520	128.6	150	143	527
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	8.01	59.1	5.2	None	-	-	61.6	80	64	385	66.8	80	70	391
													54.0	2	52.0	62.0	80	69	385	68.5	80	75	391
													72.0	2	69.3	79.3	90	89	385	85.8	90	95	391
													90.0	2	86.6	96.6	110	109	385	103.1	110	115	391

Table 76: 27.5 ton to 50 ton VFD customer supplied standard static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.4	14.4	None	-	-	156.3	200	166	1006	170.7	200	183	1020
													40.6	2	112.7	172.1	200	166	1006	190.1	200	183	1020
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.4	13	None	-	-	157.1	200	167	1006	170.1	200	182	1019
													54.0	2	129.9	161.2	200	178	1006	177.4	200	193	1019
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.7	6.5	None	-	-	77.4	100	82	535	83.9	100	89	541
													54.0	2	65.0	80.6	100	89	535	88.8	100	97	541
													72.0	2	86.6	102.2	110	114	535	110.4	125	121	541
													90.0	2	108.3	123.9	150	139	535	132.1	150	146	541
													108.0	2	129.9	145.5	175	164	535	153.7	175	171	541
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.8	5.2	None	-	-	63.6	80	67	398	68.8	90	73	403
													54.0	2	52.0	64.5	80	71	398	71.0	90	77	403
													72.0	2	69.3	81.8	90	91	398	88.3	90	97	403
													90.0	2	86.6	99.1	110	111	398	105.6	110	117	403
													108.0	2	103.9	116.4	150	131	398	122.9	150	137	403
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	25	173.4	14.4	None	-	-	216.1	275	229	1355	230.5	275	246	1370
													40.6	2	112.7	216.1	275	229	1355	230.5	275	246	1370
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	25	173.4	13	None	-	-	214.5	275	227	1355	227.5	275	242	1368
													54.0	2	129.9	214.5	275	227	1355	227.5	275	242	1368
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	12.5	86.7	6.5	None	-	-	104.2	125	110	667	110.7	125	118	674
													54.0	2	65.0	104.2	125	110	667	110.7	125	118	674
													72.0	2	86.6	104.2	125	114	667	110.7	125	121	674
													90.0	2	108.3	123.9	150	139	667	132.1	150	146	674
													108.0	2	129.9	145.5	175	164	667	153.7	175	171	674
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	10	71.8	5.2	None	-	-	84.5	110	90	518	89.7	110	96	524
													54.0	2	52.0	84.5	110	90	518	89.7	110	96	524
													72.0	2	69.3	84.5	110	91	518	89.7	110	97	524
													90.0	2	86.6	99.1	110	111	518	105.6	110	117	524
													108.0	2	103.9	116.4	150	131	518	122.9	150	137	524

Table 77: 27.5 ton to 50 ton VFD customer supplied standard static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	139.5	175	149	895	153.9	175	165	910
															27.0	2	74.9	139.5	175	149	895	153.9	175	165	910
															40.6	2	112.7	175.1	200	161	895	193.1	200	178	910
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	19.4	144.4	4.2	24.8	13	None	-	-	140.7	175	150	895	153.7	175	165	908
															36.0	2	86.6	143.0	175	150	895	159.3	175	165	908
															54.0	2	129.9	164.7	175	181	895	180.9	200	196	908
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	67.5	80	72	445	74.0	90	80	452
															36.0	2	43.3	71.5	80	72	445	79.6	90	80	452
															54.0	2	65.0	82.4	90	91	445	90.5	100	98	452
															72.0	2	86.6	104.0	110	116	445	112.1	125	123	452
															90.0	2	108.3	125.7	150	141	445	133.8	150	148	452
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	8	59.1	1.6	8.8	5.2	None	-	-	53.9	70	57	342	59.1	75	63	347
															54.0	2	52.0	66.0	70	73	342	72.5	75	79	347
															72.0	2	69.3	83.3	90	93	342	89.8	90	99	347
															90.0	2	86.6	100.6	110	112	342	107.1	110	118	347
30	208-3-60	44.2	315	25	164	25	164	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	148.7	175	158	936	163.1	200	175	951
															27.0	2	74.9	148.7	175	158	936	163.1	200	175	951
															40.6	2	112.7	175.1	200	161	936	193.1	200	178	951
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	19	144.4	4.2	24.8	13	None	-	-	149.9	175	160	936	162.9	200	175	949
															36.0	2	86.6	149.9	175	160	936	162.9	200	175	949
															54.0	2	129.9	164.7	175	181	936	180.9	200	196	949
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	75.9	90	81	506	82.4	100	88	513
															36.0	2	43.3	75.9	90	81	506	82.4	100	88	513
															54.0	2	65.0	82.4	90	91	506	90.5	100	98	513
															72.0	2	86.6	104.0	110	116	506	112.1	125	123	513
															90.0	2	108.3	125.7	150	141	506	133.8	150	148	513
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	8.01	59.1	1.6	8.8	5.2	None	-	-	60.1	75	64	404	65.3	80	70	409
															54.0	2	52.0	66.0	75	73	404	72.5	80	79	409
															72.0	2	69.3	83.3	90	93	404	89.8	90	99	409
															90.0	2	86.6	100.6	110	112	404	107.1	110	118	409
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	19.4	144.4	4	24.8	14.4	None	-	-	158.7	200	169	1026	173.1	200	185	1041
															27.0	2	74.9	158.7	200	169	1026	173.1	200	185	1041
															40.6	2	112.7	175.1	200	169	1026	193.1	200	185	1041
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	19.4	144.4	4.2	24.8	13	None	-	-	159.9	200	170	1026	172.9	200	185	1039
															36.0	2	86.6	159.9	200	170	1026	172.9	200	185	1039
															54.0	2	129.9	164.7	200	181	1026	180.9	200	196	1039
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	9.7	72.2	2.1	12.7	6.5	None	-	-	78.8	100	83	545	85.3	100	91	552
															36.0	2	43.3	78.8	100	83	545	85.3	100	91	552
															54.0	2	65.0	82.4	100	91	545	90.5	100	98	552
															72.0	2	86.6	104.0	110	116	545	112.1	125	123	552
															90.0	2	108.3	125.7	150	141	545	133.8	150	148	552
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	8.01	59.1	1.6	8.8	5.2	None	-	-	64.8	80	68	403	70.0	90	74	408
															54.0	2	52.0	66.0	80	73	403	72.5	90	79	408
															72.0	2	69.3	83.3	90	93	403	89.8	90	99	408
															90.0	2	86.6	100.6	110	112	403	107.1	110	118	408
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.4	7.2	40.7	14.4	None	-	-	170.7	200	183	1087	185.1	225	199	1101
															40.6	2	112.7	190.1	200	183	1087	208.1	225	199	1101
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.4	6.8	40.7	13	None	-	-	170.7	200	183	1087	183.7	225	197	1100
															54.0	2	129.9	178.2	200	194	1087	194.4	225	209	1100
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.7	3.4	20.4	6.5	None	-	-	84.2	100	90	575	90.7	110	97	582
															54.0	2	65.0	89.1	100	97	575	97.3	110	104	582
															72.0	2	86.6	110.7	125	122	575	118.9	125	129	582
															90.0	2	108.3	132.4	150	147	575	140.6	150	154	582
															108.0	2	129.9	154.0	175	172	575	162.2	175	179	582
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.8	2.7	16.4	5.2	None	-	-	69.0	90	73	431	74.2	90	79	436
															54.0	2	52.0	71.3	90	78	431	77.8	90	83	436
															72.0	2	69.3	88.6	90	97	431	95.1	100	103	436
															90.0	2	86.6	105.9	110	117	431	112.4	125	123	436
															108.0	2	103.9	123.2	150	137	431	129.7	150	143	436

Table 77: 27.5 ton to 50 ton VFD customer supplied standard static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	25	173.4	7.2	40.7	14.4	None	-	-	230.5	275	246	1437	244.9	300	262	1451
															40.6	2	112.7	230.5	275	246	1437	244.9	300	262	1451
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	25	173.4	6.8	40.7	13	None	-	-	228.1	275	243	1437	241.1	300	258	1450
															54.0	2	129.9	228.1	275	243	1437	241.1	300	258	1450
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	12.5	86.7	3.4	20.4	6.5	None	-	-	111.0	125	118	708	117.5	150	126	715
															54.0	2	65.0	111.0	125	118	708	117.5	150	126	715
															72.0	2	86.6	111.0	125	122	708	118.9	150	129	715
															90.0	2	108.3	132.4	150	147	708	140.6	150	154	715
															108.0	2	129.9	154.0	175	172	708	162.2	175	179	715
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	10	71.8	2.7	16.4	5.2	None	-	-	89.9	110	96	551	95.1	110	102	556
															54.0	2	52.0	89.9	110	96	551	95.1	110	102	556
															72.0	2	69.3	89.9	110	97	551	95.1	110	103	556
															90.0	2	86.6	105.9	110	117	551	112.4	125	123	556
															108.0	2	103.9	123.2	150	137	551	129.7	150	143	556

Table 78: 27.5 ton to 50 ton VFD customer supplied standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	141.1	175	150	895	155.5	175	167	910
															27.0	2	74.9	141.1	175	150	895	155.5	175	167	910
															40.6	2	112.7	177.1	200	163	895	195.1	200	180	910
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	19.4	144.4	9.6	24.8	13	None	-	-	141.9	175	151	895	154.9	175	166	908
															36.0	2	86.6	144.5	175	151	895	160.8	175	166	908
															54.0	2	129.9	166.2	175	183	895	182.4	200	198	908
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	68.1	80	73	445	74.6	90	80	452
															36.0	2	43.3	72.3	80	73	445	80.4	90	80	452
															54.0	2	65.0	83.1	90	91	445	91.3	100	99	452
															72.0	2	86.6	104.7	110	116	445	112.9	125	124	452
															90.0	2	108.3	126.4	150	141	445	134.6	150	149	452
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	8	59.1	4.9	8.8	5.2	None	-	-	55.6	70	59	342	60.8	75	65	347
															54.0	2	52.0	68.1	70	75	342	74.6	80	81	347
															72.0	2	69.3	85.4	90	95	342	91.9	100	101	347
															90.0	2	86.6	102.7	110	114	342	109.2	110	120	347
30	208-3-60	44.2	315	25	164	25	164	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	150.3	175	160	936	164.7	200	177	951
															27.0	2	74.9	150.3	175	160	936	164.7	200	177	951
															40.6	2	112.7	177.1	200	163	936	195.1	200	180	951
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	19	144.4	9.6	24.8	13	None	-	-	151.1	175	161	936	164.1	200	176	949
															36.0	2	86.6	151.1	175	161	936	164.1	200	176	949
															54.0	2	129.9	166.2	175	183	936	182.4	200	198	949
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	76.5	90	82	506	83.0	100	89	513
															36.0	2	43.3	76.5	90	82	506	83.0	100	89	513
															54.0	2	65.0	83.1	90	91	506	91.3	100	99	513
															72.0	2	86.6	104.7	110	116	506	112.9	125	124	513
															90.0	2	108.3	126.4	150	141	506	134.6	150	149	513
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	8.01	59.1	4.9	8.8	5.2	None	-	-	61.8	80	66	404	67.0	80	72	409
															54.0	2	52.0	68.1	80	75	404	74.6	80	81	409
															72.0	2	69.3	85.4	90	95	404	91.9	100	101	409
															90.0	2	86.6	102.7	110	114	404	109.2	110	120	409
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	19.4	144.4	9.6	24.8	14.4	None	-	-	160.3	200	171	1026	174.7	200	187	1041
															27.0	2	74.9	160.3	200	171	1026	174.7	200	187	1041
															40.6	2	112.7	177.1	200	171	1026	195.1	200	187	1041
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	19.4	144.4	9.6	24.8	13	None	-	-	161.1	200	171	1026	174.1	200	186	1039
															36.0	2	86.6	161.1	200	171	1026	174.1	200	186	1039
															54.0	2	129.9	166.2	200	183	1026	182.4	200	198	1039
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	9.7	72.2	4.8	12.7	6.5	None	-	-	79.4	100	84	545	85.9	110	92	552
															36.0	2	43.3	79.4	100	84	545	85.9	110	92	552
															54.0	2	65.0	83.1	100	91	545	91.3	110	99	552
															72.0	2	86.6	104.7	110	116	545	112.9	125	124	552
															90.0	2	108.3	126.4	150	141	545	134.6	150	149	552
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	8.01	59.1	4.9	8.8	5.2	None	-	-	66.5	80	70	403	71.7	90	76	408
															54.0	2	52.0	68.1	80	75	403	74.6	90	81	408
															72.0	2	69.3	85.4	90	95	403	91.9	100	101	408
															90.0	2	86.6	102.7	110	114	403	109.2	110	120	408
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.4	15.2	40.7	14.4	None	-	-	171.5	200	183	1087	185.9	225	200	1101
															40.6	2	112.7	191.1	200	183	1087	209.1	225	200	1101
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.4	15.2	40.7	13	None	-	-	172.3	200	184	1087	185.3	225	199	1100
															54.0	2	129.9	180.2	200	196	1087	196.4	225	211	1100
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.7	8.2	20.4	6.5	None	-	-	85.6	110	91	575	92.1	110	99	582
															54.0	2	65.0	90.9	110	99	575	99.0	110	106	582
															72.0	2	86.6	112.5	125	123	575	120.6	125	131	582
															90.0	2	108.3	134.2	150	148	575	142.3	150	156	582
															108.0	2	129.9	155.8	175	173	575	163.9	175	181	582
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.8	6.1	16.4	5.2	None	-	-	69.7	90	74	431	74.9	90	80	436
															54.0	2	52.0	72.1	90	78	431	78.6	90	84	436
															72.0	2	69.3	89.4	90	98	431	95.9	100	104	436
															90.0	2	86.6	106.7	110	118	431	113.2	125	124	436
															108.0	2	103.9	124.0	150	138	431	130.5	150	144	436

Table 78: 27.5 ton to 50 ton VFD customer supplied standard static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	25	173.4	15.2	40.7	14.4	None	-	-	231.3	275	247	1437	245.7	300	263	1451
															40.6	2	112.7	231.3	275	247	1437	245.7	300	263	1451
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	25	173.4	15.2	40.7	13	None	-	-	229.7	275	245	1437	242.7	300	260	1450
															54.0	2	129.9	229.7	275	245	1437	242.7	300	260	1450
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	12.5	86.7	8.2	20.4	6.5	None	-	-	112.4	125	120	708	118.9	150	127	715
															54.0	2	65.0	112.4	125	120	708	118.9	150	127	715
															72.0	2	86.6	112.5	125	123	708	120.6	150	131	715
															90.0	2	108.3	134.2	150	148	708	142.3	150	156	715
															108.0	2	129.9	155.8	175	173	708	163.9	175	181	715
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	10	71.8	6.1	16.4	5.2	None	-	-	90.6	110	97	551	95.8	110	103	556
															54.0	2	52.0	90.6	110	97	551	95.8	110	103	556
															72.0	2	69.3	90.6	110	98	551	95.9	110	104	556
															90.0	2	86.6	106.7	110	118	551	113.2	125	124	556
															108.0	2	103.9	124.0	150	138	551	130.5	150	144	556

VFD Customer Supplied medium static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- disconn. = disconnect
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 79: 27.5 ton to 50 ton VFD customer supplied medium static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	25	173.4	14.4	None	-	-	137.1	175	146	875	151.5	175	162	889
													27.0	2	74.9	137.1	175	146	875	151.5	175	162	889
													40.6	2	112.7	172.1	175	158	875	190.1	200	175	889
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	25	173.4	13	None	-	-	137.9	175	147	875	150.9	175	162	888
													36.0	2	86.6	139.5	175	147	875	155.8	175	162	888
													54.0	2	129.9	161.2	175	178	875	177.4	200	193	888
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	12.5	86.7	6.5	None	-	-	66.1	80	70	435	72.6	90	78	441
													36.0	2	43.3	69.8	80	70	435	77.9	90	78	441
													54.0	2	65.0	80.6	90	89	435	88.8	90	97	441
													72.0	2	86.6	102.2	110	114	435	110.4	125	121	441
													90.0	2	108.3	123.9	150	139	435	132.1	150	146	441
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	10	71.8	5.2	None	-	-	52.7	60	56	337	57.9	70	62	342
													54.0	2	52.0	64.5	70	71	337	71.0	75	77	342
													72.0	2	69.3	81.8	90	91	337	88.3	90	97	342
													90.0	2	86.6	99.1	110	111	337	105.6	110	117	342
30	208-3-60	44.2	315	25	164	25	164	4	24.8	25	173.4	14.4	None	-	-	146.3	175	155	916	160.7	200	172	930
													27.0	2	74.9	146.3	175	155	916	160.7	200	172	930
													40.6	2	112.7	172.1	175	158	916	190.1	200	175	930
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	25	173.4	13	None	-	-	147.1	175	156	916	160.1	200	171	929
													36.0	2	86.6	147.1	175	156	916	160.1	200	171	929
													54.0	2	129.9	161.2	175	178	916	177.4	200	193	929
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	12.5	86.7	6.5	None	-	-	74.5	90	79	496	81.0	100	87	502
													36.0	2	43.3	74.5	90	79	496	81.0	100	87	502
													54.0	2	65.0	80.6	90	89	496	88.8	100	97	502
													72.0	2	86.6	102.2	110	114	496	110.4	125	121	502
													90.0	2	108.3	123.9	150	139	496	132.1	150	146	502
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	10	71.8	5.2	None	-	-	58.9	75	62	399	64.1	80	68	404
													54.0	2	52.0	64.5	75	71	399	71.0	80	77	404
													72.0	2	69.3	81.8	90	91	399	88.3	90	97	404
													90.0	2	86.6	99.1	110	111	399	105.6	110	117	404
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.4	14.4	None	-	-	156.3	200	166	1006	170.7	200	183	1020
													27.0	2	74.9	156.3	200	166	1006	170.7	200	183	1020
													40.6	2	112.7	172.1	200	166	1006	190.1	200	183	1020
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.4	13	None	-	-	157.1	200	167	1006	170.1	200	182	1019
													36.0	2	86.6	157.1	200	167	1006	170.1	200	182	1019
													54.0	2	129.9	161.2	200	178	1006	177.4	200	193	1019
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.7	6.5	None	-	-	77.4	100	82	535	83.9	100	89	541
													36.0	2	43.3	77.4	100	82	535	83.9	100	89	541
													54.0	2	65.0	80.6	100	89	535	88.8	100	97	541
													72.0	2	86.6	102.2	110	114	535	110.4	125	121	541
													90.0	2	108.3	123.9	150	139	535	132.1	150	146	541
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.8	5.2	None	-	-	63.6	80	67	398	68.8	90	73	403
													54.0	2	52.0	64.5	80	71	398	71.0	90	77	403
													72.0	2	69.3	81.8	90	91	398	88.3	90	97	403
													90.0	2	86.6	99.1	110	111	398	105.6	110	117	403

Table 79: 27.5 ton to 50 ton VFD customer supplied medium static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234.0	14.4	None	-	-	167.3	200	179	1066	181.7	225	195	1081
													40.6	2	112.7	185.9	200	179	1066	203.9	225	195	1081
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234.0	13	None	-	-	168.1	200	180	1066	181.1	225	194	1079
													54.0	2	129.9	174.9	200	191	1066	191.2	225	206	1079
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117.0	6.5	None	-	-	82.9	100	88	565	89.4	110	96	571
													54.0	2	65.0	87.5	100	95	565	95.6	110	103	571
													72.0	2	86.6	109.1	125	120	565	117.2	125	128	571
													90.0	2	108.3	130.8	150	145	565	138.9	150	153	571
													108.0	2	129.9	152.4	175	170	565	160.5	175	178	571
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.9	5.2	None	-	-	67.8	90	72	422	73.0	90	78	427
													54.0	2	52.0	69.8	90	76	422	76.3	90	82	427
													72.0	2	69.3	87.1	100	96	422	93.6	100	102	427
													90.0	2	86.6	104.4	110	116	422	110.9	125	122	427
													108.0	2	103.9	121.7	150	136	422	128.2	150	142	427
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	36	234.0	14.4	None	-	-	227.1	275	242	1416	241.5	300	258	1430
													40.6	2	112.7	227.1	275	242	1416	241.5	300	258	1430
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	36	234.0	13	None	-	-	225.5	275	240	1416	238.5	300	255	1429
													54.0	2	129.9	225.5	275	240	1416	238.5	300	255	1429
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	18	117.0	6.5	None	-	-	109.7	125	117	698	116.2	125	124	704
													54.0	2	65.0	109.7	125	117	698	116.2	125	124	704
													72.0	2	86.6	109.7	125	120	698	117.2	125	128	704
													90.0	2	108.3	130.8	150	145	698	138.9	150	153	704
													108.0	2	129.9	152.4	175	170	698	160.5	175	178	704
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	14.2	95.9	5.2	None	-	-	88.7	110	94	543	93.9	110	100	548
													54.0	2	52.0	88.7	110	94	543	93.9	110	100	548
													72.0	2	69.3	88.7	110	96	543	93.9	110	102	548
													90.0	2	86.6	104.4	110	116	543	110.9	125	122	548
													108.0	2	103.9	121.7	150	136	543	128.2	150	142	548

Table 80: 27.5 ton to 50 ton VFD customer supplied medium static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	25	173.44	4	24.8	14.4	None	-	-	145.1	175	155	924	159.5	200	172	939
															27.0	2	74.9	145.1	175	155	924	159.5	200	172	939
															40.6	2	112.7	182.1	200	168	924	200.1	225	184	939
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	146.3	175	156	924	159.3	200	171	937
															36.0	2	86.6	150.0	175	156	924	166.3	200	171	937
															54.0	2	129.9	171.7	175	188	924	187.9	200	203	937
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	70.3	80	75	460	76.8	90	83	466
															36.0	2	43.3	75.0	80	75	460	83.1	90	83	466
															54.0	2	65.0	85.9	90	94	460	94.0	100	101	466
															72.0	2	86.6	107.5	110	119	460	115.6	125	126	466
															90.0	2	108.3	129.2	150	144	460	137.3	150	151	466
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	55.9	70	59	355	61.1	75	65	360
															54.0	2	52.0	68.5	75	75	355	75.0	80	81	360
															72.0	2	69.3	85.8	90	95	355	92.3	100	101	360
															90.0	2	86.6	103.1	110	115	355	109.6	110	121	360
30	208-3-60	44.2	315	25	164	25	164	4	24.8	25	173.44	4	24.8	14.4	None	-	-	154.3	175	165	965	168.7	200	181	980
															27.0	2	74.9	154.3	175	165	965	168.7	200	181	980
															40.6	2	112.7	182.1	200	168	965	200.1	225	184	980
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	155.5	175	166	965	168.5	200	181	978
															36.0	2	86.6	155.5	175	166	965	168.5	200	181	978
															54.0	2	129.9	171.7	175	188	965	187.9	200	203	978
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	78.7	100	84	521	85.2	100	92	527
															36.0	2	43.3	78.7	100	84	521	85.2	100	92	527
															54.0	2	65.0	85.9	100	94	521	94.0	100	101	527
															72.0	2	86.6	107.5	110	119	521	115.6	125	126	527
															90.0	2	108.3	129.2	150	144	521	137.3	150	151	527
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	62.1	80	66	417	67.3	80	72	422
															54.0	2	52.0	68.5	80	75	417	75.0	80	81	422
															72.0	2	69.3	85.8	90	95	417	92.3	100	101	422
															90.0	2	86.6	103.1	110	115	417	109.6	110	121	422
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.44	4	24.8	14.4	None	-	-	164.3	200	175	1055	178.7	225	192	1070
															27.0	2	74.9	164.3	200	175	1055	178.7	225	192	1070
															40.6	2	112.7	182.1	200	175	1055	200.1	225	192	1070
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.44	4.2	24.8	13	None	-	-	165.5	200	177	1055	178.5	225	191	1068
															36.0	2	86.6	165.5	200	177	1055	178.5	225	191	1068
															54.0	2	129.9	171.7	200	188	1055	187.9	225	203	1068
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.72	2.1	12.7	6.5	None	-	-	81.6	100	87	560	88.1	110	94	566
															36.0	2	43.3	81.6	100	87	560	88.1	110	94	566
															54.0	2	65.0	85.9	100	94	560	94.0	110	101	566
															72.0	2	86.6	107.5	110	119	560	115.6	125	126	566
															90.0	2	108.3	129.2	150	144	560	137.3	150	151	566
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.77	1.6	8.8	5.2	None	-	-	66.8	80	70	416	72.0	90	76	421
															54.0	2	52.0	68.5	80	75	416	75.0	90	81	421
															72.0	2	69.3	85.8	90	95	416	92.3	100	101	421
															90.0	2	86.6	103.1	110	115	416	109.6	110	121	421
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234.0	7.2	40.7	14.4	None	-	-	181.7	225	195	1148	196.1	225	212	1162
															40.6	2	112.7	203.9	225	195	1148	221.9	225	212	1162
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234.0	6.8	40.7	13	None	-	-	181.7	225	195	1148	194.7	225	210	1161
															54.0	2	129.9	191.9	225	206	1148	208.2	225	221	1161
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117.0	3.4	20.4	6.5	None	-	-	89.7	110	96	606	96.2	110	104	612
															54.0	2	65.0	96.0	110	103	606	104.1	110	111	612
															72.0	2	86.6	117.6	125	128	606	125.7	150	136	612
															90.0	2	108.3	139.3	150	153	606	147.4	150	161	612
															108.0	2	129.9	160.9	175	178	606	169.0	175	185	612
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.9	2.7	16.4	5.2	None	-	-	73.2	90	78	455	78.4	100	84	460
															54.0	2	52.0	76.5	90	82	455	83.0	100	88	460
															72.0	2	69.3	93.8	100	102	455	100.3	110	108	460
															90.0	2	86.6	111.1	125	122	455	117.6	125	128	460
															108.0	2	103.9	128.4	150	142	455	134.9	150	148	460

Table 80: 27.5 ton to 50 ton VFD customer supplied medium static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	36	234.0	7.2	40.7	14.4	None	-	-	241.5	300	258	1497	255.9	300	275	1512
															40.6	2	112.7	241.5	300	258	1497	255.9	300	275	1512
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	36	234.0	6.8	40.7	13	None	-	-	239.1	300	256	1497	252.1	300	271	1510
															54.0	2	129.9	239.1	300	256	1497	252.1	300	271	1510
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	18	117.0	3.4	20.4	6.5	None	-	-	116.5	125	125	738	123.0	150	132	745
															54.0	2	65.0	116.5	125	125	738	123.0	150	132	745
															72.0	2	86.6	117.6	125	128	738	125.7	150	136	745
															90.0	2	108.3	139.3	150	153	738	147.4	150	161	745
															108.0	2	129.9	160.9	175	178	738	169.0	175	185	745
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	14.2	95.9	2.7	16.4	5.2	None	-	-	94.1	110	101	575	99.3	125	107	581
															54.0	2	52.0	94.1	110	101	575	99.3	125	107	581
															72.0	2	69.3	94.1	110	102	575	100.3	125	108	581
															90.0	2	86.6	111.1	125	122	575	117.6	125	128	581
															108.0	2	103.9	128.4	150	142	575	134.9	150	148	581

Table 81: 27.5 ton to 50 ton VFD customer supplied medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	146.7	175	157	924	161.1	200	173	939
															27.0	2	74.9	146.7	175	157	924	161.1	200	173	939
															40.6	2	112.7	184.1	200	169	924	202.1	225	186	939
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	147.5	175	158	924	160.5	200	173	937
															36.0	2	86.6	151.5	175	158	924	167.8	200	173	937
															54.0	2	129.9	173.2	175	189	924	189.4	200	204	937
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	70.9	90	76	460	77.4	90	83	466
															36.0	2	43.3	75.8	90	76	460	83.9	90	83	466
															54.0	2	65.0	86.6	90	95	460	94.8	100	102	466
															72.0	2	86.6	108.2	110	119	460	116.4	125	127	466
															90.0	2	108.3	129.9	150	144	460	138.1	150	152	466
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	57.6	70	61	355	62.8	75	67	360
															54.0	2	52.0	70.6	75	77	355	77.1	80	83	360
															72.0	2	69.3	87.9	90	97	355	94.4	100	103	360
															90.0	2	86.6	105.2	110	117	355	111.7	125	123	360
30	208-3-60	44.2	315	25	164	25	164	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	155.9	200	167	965	170.3	200	183	980
															27.0	2	74.9	155.9	200	167	965	170.3	200	183	980
															40.6	2	112.7	184.1	200	169	965	202.1	225	186	980
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	156.7	200	167	965	169.7	200	182	978
															36.0	2	86.6	156.7	200	167	965	169.7	200	182	978
															54.0	2	129.9	173.2	200	189	965	189.4	200	204	978
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	79.3	100	85	521	85.8	100	92	527
															36.0	2	43.3	79.3	100	85	521	85.8	100	92	527
															54.0	2	65.0	86.6	100	95	521	94.8	100	102	527
															72.0	2	86.6	108.2	110	119	521	116.4	125	127	527
															90.0	2	108.3	129.9	150	144	521	138.1	150	152	527
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	63.8	80	68	417	69.0	80	74	422
															54.0	2	52.0	70.6	80	77	417	77.1	80	83	422
															72.0	2	69.3	87.9	90	97	417	94.4	100	103	422
															90.0	2	86.6	105.2	110	117	417	111.7	125	123	422
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	25	173.44	9.6	24.8	14.4	None	-	-	165.9	200	177	1055	180.3	225	194	1070
															27.0	2	74.9	165.9	200	177	1055	180.3	225	194	1070
															40.6	2	112.7	184.1	200	177	1055	202.1	225	194	1070
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	25	173.44	9.6	24.8	13	None	-	-	166.7	200	178	1055	179.7	225	193	1068
															36.0	2	86.6	166.7	200	178	1055	179.7	225	193	1068
															54.0	2	129.9	173.2	200	189	1055	189.4	225	204	1068
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	12.5	86.72	4.8	12.7	6.5	None	-	-	82.2	100	87	560	88.7	110	95	566
															36.0	2	43.3	82.2	100	87	560	88.7	110	95	566
															54.0	2	65.0	86.6	100	95	560	94.8	110	102	566
															72.0	2	86.6	108.2	110	119	560	116.4	125	127	566
															90.0	2	108.3	129.9	150	144	560	138.1	150	152	566
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	10	71.77	4.9	8.8	5.2	None	-	-	68.5	90	72	416	73.7	90	78	421
															54.0	2	52.0	70.6	90	77	416	77.1	90	83	421
															72.0	2	69.3	87.9	90	97	416	94.4	100	103	421
															90.0	2	86.6	105.2	110	117	416	111.7	125	123	421
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234.0	15.2	40.7	14.4	None	-	-	182.5	225	196	1148	196.9	225	213	1162
															40.6	2	112.7	204.9	225	196	1148	222.9	225	213	1162
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234.0	15.2	40.7	13	None	-	-	183.3	225	197	1148	196.3	225	212	1161
															54.0	2	129.9	193.9	225	208	1148	210.2	225	223	1161
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117.0	8.2	20.4	6.5	None	-	-	91.1	110	98	606	97.6	110	105	612
															54.0	2	65.0	97.8	110	105	606	105.9	110	112	612
															72.0	2	86.6	119.4	125	130	606	127.5	150	137	612
															90.0	2	108.3	141.1	150	155	606	149.2	150	162	612
															108.0	2	129.9	162.7	175	180	606	170.8	175	187	612
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.9	6.1	16.4	5.2	None	-	-	73.9	90	79	455	79.1	100	85	460
															54.0	2	52.0	77.4	90	83	455	83.9	100	89	460
															72.0	2	69.3	94.7	100	103	455	101.2	110	109	460
															90.0	2	86.6	112.0	125	123	455	118.5	125	129	460
															108.0	2	103.9	129.3	150	143	455	135.8	150	149	460

Table 81: 27.5 ton to 50 ton VFD customer supplied medium static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	36	234.0	15.2	40.7	14.4	None	-	-	242.3	300	259	1497	256.7	300	276	1512
															40.6	2	112.7	242.3	300	259	1497	256.7	300	276	1512
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	36	234.0	15.2	40.7	13	None	-	-	240.7	300	257	1497	253.7	300	272	1510
															54.0	2	129.9	240.7	300	257	1497	253.7	300	272	1510
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	18	117.0	8.2	20.4	6.5	None	-	-	117.9	150	126	738	124.4	150	134	745
															54.0	2	65.0	117.9	150	126	738	124.4	150	134	745
															72.0	2	86.6	119.4	150	130	738	127.5	150	137	745
															90.0	2	108.3	141.1	150	155	738	149.2	150	162	745
															108.0	2	129.9	162.7	175	180	738	170.8	175	187	745
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	14.2	95.9	6.1	16.4	5.2	None	-	-	94.8	110	101	575	100.0	125	107	581
															54.0	2	52.0	94.8	110	101	575	100.0	125	107	581
															72.0	2	69.3	94.8	110	103	575	101.2	125	109	581
															90.0	2	86.6	112.0	125	123	575	118.5	125	129	581
															108.0	2	103.9	129.3	150	143	575	135.8	150	149	581

VFD Customer Supplied high static

Note:

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- disconn. = disconnect
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

Table 82: 27.5 ton to 50 ton VFD customer supplied high static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	36	234.0	14.4	None	-	-	148.1	175	158	935	162.5	200	175	950
													27.0	2	74.9	148.1	175	158	935	162.5	200	175	950
													40.6	2	112.7	185.9	200	171	935	203.9	225	188	950
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	36	234.0	13	None	-	-	148.9	175	159	935	161.9	200	174	948
													36.0	2	86.6	153.3	175	159	935	169.5	200	174	948
													54.0	2	129.9	174.9	200	191	935	191.2	200	206	948
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	18	117.0	6.5	None	-	-	71.6	90	77	465	78.1	90	84	471
													36.0	2	43.3	76.6	90	77	465	84.8	90	84	471
													54.0	2	65.0	87.5	100	95	465	95.6	110	103	471
													72.0	2	86.6	109.1	125	120	465	117.2	125	128	471
													90.0	2	108.3	130.8	150	145	465	138.9	150	153	471
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	14.2	95.9	5.2	None	-	-	56.9	70	61	361	62.1	75	67	366
													54.0	2	52.0	69.8	80	76	361	76.3	80	82	366
													72.0	2	69.3	87.1	100	96	361	93.6	100	102	366
													90.0	2	86.6	104.4	110	116	361	110.9	125	122	366
30	208-3-60	44.2	315	25	164	25	164	4	24.8	36	234.0	14.4	None	-	-	157.3	200	168	976	171.7	200	185	991
													27.0	2	74.9	157.3	200	168	976	171.7	200	185	991
													40.6	2	112.7	185.9	200	171	976	203.9	225	188	991
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	36	234.0	13	None	-	-	158.1	200	169	976	171.1	200	184	989
													36.0	2	86.6	158.1	200	169	976	171.1	200	184	989
													54.0	2	129.9	174.9	200	191	976	191.2	200	206	989
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	18	117.0	6.5	None	-	-	80.0	100	86	526	86.5	100	93	532
													36.0	2	43.3	80.0	100	86	526	86.5	100	93	532
													54.0	2	65.0	87.5	100	95	526	95.6	110	103	532
													72.0	2	86.6	109.1	125	120	526	117.2	125	128	532
													90.0	2	108.3	130.8	150	145	526	138.9	150	153	532
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	14.2	95.9	5.2	None	-	-	63.1	80	67	423	68.3	80	73	428
													54.0	2	52.0	69.8	80	76	423	76.3	80	82	428
													72.0	2	69.3	87.1	100	96	423	93.6	100	102	428
													90.0	2	86.6	104.4	110	116	423	110.9	125	122	428
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234.0	14.4	None	-	-	167.3	200	179	1066	181.7	225	195	1081
													27.0	2	74.9	167.3	200	179	1066	181.7	225	195	1081
													40.6	2	112.7	185.9	200	179	1066	203.9	225	195	1081
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234.0	13	None	-	-	168.1	200	180	1066	181.1	225	194	1079
													36.0	2	86.6	168.1	200	180	1066	181.1	225	194	1079
													54.0	2	129.9	174.9	200	191	1066	191.2	225	206	1079
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117.0	6.5	None	-	-	82.9	100	88	565	89.4	110	96	571
													36.0	2	43.3	82.9	100	88	565	89.4	110	96	571
													54.0	2	65.0	87.5	100	95	565	95.6	110	103	571
													72.0	2	86.6	109.1	125	120	565	117.2	125	128	571
													90.0	2	108.3	130.8	150	145	565	138.9	150	153	571
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.9	5.2	None	-	-	67.8	90	72	422	73.0	90	78	427
													54.0	2	52.0	69.8	90	76	422	76.3	90	82	427
													72.0	2	69.3	87.1	100	96	422	93.6	100	102	427
													90.0	2	86.6	104.4	110	116	422	110.9	125	122	427

Table 82: 27.5 ton to 50 ton VFD customer supplied high static without power exhaust

Size (tons)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each RLA	Supply blower motor FLA	Supply blower motor LRA	120 V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconn. rating/ 120 V trans	
		RLA	LRA	RLA	LRA	RLA	LRA						kW	Stages	A			FLA	LRA			FLA	LRA
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	48	312.0	14.4	None	-	-	179.3	225	192	1144	193.7	225	209	1159
													40.6	2	112.7	200.9	225	192	1144	218.9	225	209	1159
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	48	312.0	13	None	-	-	180.1	225	193	1144	193.1	225	208	1157
													54.0	2	129.9	189.9	225	205	1144	206.2	250	220	1157
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	24	156.0	6.5	None	-	-	88.9	110	95	604	95.4	110	103	610
													54.0	2	65.0	95.0	110	102	604	103.1	125	110	610
													72.0	2	86.6	116.6	125	127	604	124.7	125	135	610
													90.0	2	108.3	138.3	150	152	604	146.4	150	160	610
													108.0	2	129.9	159.9	175	177	604	168.0	175	184	610
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	19.1	126.0	5.2	None	-	-	72.7	90	77	452	77.9	100	83	457
													54.0	2	52.0	75.9	90	82	452	82.4	100	88	457
													72.0	2	69.3	93.2	110	102	452	99.7	110	108	457
													90.0	2	86.6	110.5	125	122	452	117.0	125	128	457
													108.0	2	103.9	127.8	150	141	452	134.3	150	147	457
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	48	312.0	14.4	None	-	-	239.1	300	256	1494	253.5	300	272	1508
													40.6	2	112.7	239.1	300	256	1494	253.5	300	272	1508
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	48	312.0	13	None	-	-	237.5	300	254	1494	250.5	300	269	1507
													54.0	2	129.9	237.5	300	254	1494	250.5	300	269	1507
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	24	156.0	6.5	None	-	-	115.7	125	124	737	122.2	150	131	743
													54.0	2	65.0	115.7	125	124	737	122.2	150	131	743
													72.0	2	86.6	116.6	125	127	737	124.7	150	135	743
													90.0	2	108.3	138.3	150	152	737	146.4	150	160	743
													108.0	2	129.9	159.9	175	177	737	168.0	175	184	743
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	19.1	126.0	5.2	None	-	-	93.6	110	100	573	98.8	125	106	578
													54.0	2	52.0	93.6	110	100	573	98.8	125	106	578
													72.0	2	69.3	93.6	110	102	573	99.7	125	108	578
													90.0	2	86.6	110.5	125	122	573	117.0	125	128	578
													108.0	2	103.9	127.8	150	141	573	134.3	150	147	578

Table 83: 27.5 ton to 50 ton VFD customer supplied high static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	36	234	4	24.8	14.4	None	-	-	156.1	175	168	985	170.5	200	184	999
															27.0	2	74.9	156.1	175	168	985	170.5	200	184	999
															40.6	2	112.7	195.9	200	180	985	213.9	225	197	999
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	36	234	4.2	24.8	13	None	-	-	157.3	175	169	985	170.3	200	184	998
															36.0	2	86.6	163.8	175	169	985	180.0	200	184	998
															54.0	2	129.9	185.4	200	200	985	201.7	225	215	998
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	75.8	90	82	490	82.3	100	89	497
															36.0	2	43.3	81.9	90	82	490	90.0	100	89	497
															54.0	2	65.0	92.8	100	100	490	100.9	110	108	497
															72.0	2	86.6	114.4	125	125	490	122.5	125	133	497
															90.0	2	108.3	136.1	150	150	490	144.2	150	158	497
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	14	95.94	1.6	8.8	5.2	None	-	-	60.1	75	64	379	65.3	80	70	384
															54.0	2	52.0	73.8	80	80	379	80.3	90	86	384
															72.0	2	69.3	91.1	100	100	379	97.6	100	106	384
															90.0	2	86.6	108.4	110	120	379	114.9	125	126	384
30	208-3-60	44.2	315	25	164	25	164	4	24.8	36	234	4	24.8	14.4	None	-	-	165.3	200	177	1026	179.7	200	194	1040
															27.0	2	74.9	165.3	200	177	1026	179.7	200	194	1040
															40.6	2	112.7	195.9	200	180	1026	213.9	225	197	1040
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	36	234	4.2	24.8	13	None	-	-	166.5	200	179	1026	179.5	200	194	1039
															36.0	2	86.6	166.5	200	179	1026	180.0	200	194	1039
															54.0	2	129.9	185.4	200	200	1026	201.7	225	215	1039
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	84.2	100	90	551	90.7	110	98	558
															36.0	2	43.3	84.2	100	90	551	90.7	110	98	558
															54.0	2	65.0	92.8	100	100	551	100.9	110	108	558
															72.0	2	86.6	114.4	125	125	551	122.5	125	133	558
															90.0	2	108.3	136.1	150	150	551	144.2	150	158	558
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	14.2	95.94	1.6	8.8	5.2	None	-	-	66.3	80	71	441	71.5	90	77	446
															54.0	2	52.0	73.8	80	80	441	80.3	90	86	446
															72.0	2	69.3	91.1	100	100	441	97.6	100	106	446
															90.0	2	86.6	108.4	110	120	441	114.9	125	126	446
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234	4	24.8	14.4	None	-	-	175.3	200	188	1116	189.7	225	204	1130
															27.0	2	74.9	175.3	200	188	1116	189.7	225	204	1130
															40.6	2	112.7	195.9	200	188	1116	213.9	225	204	1130
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234	4.2	24.8	13	None	-	-	176.5	200	189	1116	189.5	225	204	1129
															36.0	2	86.6	176.5	200	189	1116	189.5	225	204	1129
															54.0	2	129.9	185.4	200	200	1116	201.7	225	215	1129
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117	2.1	12.7	6.5	None	-	-	87.1	110	93	590	93.6	110	101	597
															36.0	2	43.3	87.1	110	93	590	93.6	110	101	597
															54.0	2	65.0	92.8	110	100	590	100.9	110	108	597
															72.0	2	86.6	114.4	125	125	590	122.5	125	133	597
															90.0	2	108.3	136.1	150	150	590	144.2	150	158	597
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.94	1.6	8.8	5.2	None	-	-	71.0	90	75	440	76.2	90	81	445
															54.0	2	52.0	73.8	90	80	440	80.3	90	86	445
															72.0	2	69.3	91.1	100	100	440	97.6	100	106	445
															90.0	2	86.6	108.4	110	120	440	114.9	125	126	445
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	48	312.0	7.2	40.7	14.4	None	-	-	193.7	225	209	1226	208.1	250	226	1240
															40.6	2	112.7	218.9	225	209	1226	236.9	250	226	1240
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	48	312.0	6.8	40.7	13	None	-	-	193.7	225	209	1226	206.7	250	224	1239
															54.0	2	129.9	206.9	250	220	1226	223.2	250	235	1239
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	24	156.0	3.4	20.4	6.5	None	-	-	95.7	110	103	645	102.2	125	110	651
															54.0	2	65.0	103.5	125	110	645	111.6	125	118	651
															72.0	2	86.6	125.1	150	135	645	133.2	150	142	651
															90.0	2	108.3	146.8	150	160	645	154.9	175	167	651
															108.0	2	129.9	168.4	175	185	645	176.5	200	192	651
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	19.1	126.0	2.7	16.4	5.2	None	-	-	78.1	100	83	485	83.3	100	89	490
															54.0	2	52.0	82.6	100	88	485	89.1	100	94	490
															72.0	2	69.3	99.9	110	108	485	106.4	110	114	490
															90.0	2	86.6	117.2	125	128	485	123.7	125	134	490
															108.0	2	103.9	134.5	150	148	485	141.0	150	154	490

Table 83: 27.5 ton to 50 ton VFD customer supplied high static on/off power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	OD fan motors each LLA	Supply blower motor FLA	Supply blower motor LRA	Power exh motor FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	48	312.0	7.2	40.7	14.4	None	-	-	253.5	300	272	1575	267.9	325	289	1590
															40.6	2	112.7	253.5	300	272	1575	267.9	325	289	1590
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	48	312.0	6.8	40.7	13	None	-	-	251.1	300	269	1575	264.1	325	284	1588
															54.0	2	129.9	251.1	300	269	1575	264.1	325	284	1588
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	24	156.0	3.4	20.4	6.5	None	-	-	122.5	150	131	777	129.0	150	139	784
															54.0	2	65.0	122.5	150	131	777	129.0	150	139	784
															72.0	2	86.6	125.1	150	135	777	133.2	150	142	784
															90.0	2	108.3	146.8	150	160	777	154.9	175	167	784
															108.0	2	129.9	168.4	175	185	777	176.5	200	192	784
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	19.1	126.0	2.7	16.4	5.2	None	-	-	99.0	125	106	605	104.2	125	112	611
															54.0	2	52.0	99.0	125	106	605	104.2	125	112	611
															72.0	2	69.3	99.9	125	108	605	106.4	125	114	611
															90.0	2	86.6	117.2	125	128	605	123.7	125	134	611
															108.0	2	103.9	134.5	150	148	605	141.0	150	154	611

Table 84: 27.5 ton to 50 ton VFD customer supplied high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
27.5	208-3-60	41	304	22.4	149	22.4	149	4	24.8	36	234	9.6	24.8	14.4	None	-	-	157.7	175	170	985	172.1	200	186	999
															27.0	2	74.9	157.7	175	170	985	172.1	200	186	999
															40.6	2	112.7	197.9	200	182	985	215.9	225	199	999
	230-3-60	41	304	22.4	149	22.4	149	4.2	24.8	36	234	9.6	24.8	13	None	-	-	158.5	175	170	985	171.5	200	185	998
															36.0	2	86.6	165.3	175	170	985	181.5	200	185	998
															54.0	2	129.9	186.9	200	202	985	203.2	225	217	998
	460-3-60	19.2	147	10.6	75	10.6	75	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	76.4	90	82	490	82.9	100	90	497
															36.0	2	43.3	82.6	90	82	490	90.8	100	90	497
															54.0	2	65.0	93.5	110	101	490	101.6	110	108	497
															72.0	2	86.6	115.1	125	126	490	123.2	125	133	497
															90.0	2	108.3	136.8	150	151	490	144.9	150	158	497
	575-3-60	16.7	122	7.7	54	7.7	54	1.6	8.8	14	95.94	4.9	8.8	5.2	None	-	-	61.8	75	66	379	67.0	80	72	384
															54.0	2	52.0	75.9	80	82	379	82.4	90	88	384
															72.0	2	69.3	93.2	100	102	379	99.7	110	108	384
															90.0	2	86.6	110.5	125	122	379	117.0	125	128	384
30	208-3-60	44.2	315	25	164	25	164	4	24.8	36	234	9.6	24.8	14.4	None	-	-	166.9	200	179	1026	181.3	225	196	1040
															27.0	2	74.9	166.9	200	179	1026	181.3	225	196	1040
															40.6	2	112.7	197.9	200	182	1026	215.9	225	199	1040
	230-3-60	44.2	315	25	164	25	164	4.2	24.8	36	234	9.6	24.8	13	None	-	-	167.7	200	180	1026	180.7	200	195	1039
															36.0	2	86.6	167.7	200	180	1026	181.5	200	195	1039
															54.0	2	129.9	186.9	200	202	1026	203.2	225	217	1039
	460-3-60	22.4	158	12.8	100	12.8	100	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	84.8	100	91	551	91.3	110	99	558
															36.0	2	43.3	84.8	100	91	551	91.3	110	99	558
															54.0	2	65.0	93.5	110	101	551	101.6	110	108	558
															72.0	2	86.6	115.1	125	126	551	123.2	125	133	558
															90.0	2	108.3	136.8	150	151	551	144.9	150	158	558
	575-3-60	18.6	136	9.6	78	9.6	78	1.6	8.8	14.2	95.94	4.9	8.8	5.2	None	-	-	68.0	80	73	441	73.2	90	79	446
															54.0	2	52.0	75.9	80	82	441	82.4	90	88	446
															72.0	2	69.3	93.2	100	102	441	99.7	110	108	446
															90.0	2	86.6	110.5	125	122	441	117.0	125	128	446
35	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	36	234	9.6	24.8	14.4	None	-	-	176.9	225	190	1116	191.3	225	206	1130
															27.0	2	74.9	176.9	225	190	1116	191.3	225	206	1130
															40.6	2	112.7	197.9	225	190	1116	215.9	225	206	1130
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	36	234	9.6	24.8	13	None	-	-	177.7	225	191	1116	190.7	225	206	1129
															36.0	2	86.6	177.7	225	191	1116	190.7	225	206	1129
															54.0	2	129.9	186.9	225	202	1116	203.2	225	217	1129
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	18	117	4.8	12.7	6.5	None	-	-	87.7	110	94	590	94.2	110	101	597
															36.0	2	43.3	87.7	110	94	590	94.2	110	101	597
															54.0	2	65.0	93.5	110	101	590	101.6	110	108	597
															72.0	2	86.6	115.1	125	126	590	123.2	125	133	597
															90.0	2	108.3	136.8	150	151	590	144.9	150	158	597
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	14.2	95.94	4.9	8.8	5.2	None	-	-	72.7	90	77	440	77.9	100	83	445
															54.0	2	52.0	75.9	90	82	440	82.4	100	88	445
															72.0	2	69.3	93.2	100	102	440	99.7	110	108	445
															90.0	2	86.6	110.5	125	122	440	117.0	125	128	445
40	208-3-60	48.1	351	27.6	191	27.6	191	4	24.8	48	312.0	15.2	40.7	14.4	None	-	-	194.5	225	210	1226	208.9	250	226	1240
															40.6	2	112.7	219.9	225	210	1226	237.9	250	226	1240
	230-3-60	48.1	351	27.6	191	27.6	191	4.2	24.8	48	312.0	15.2	40.7	13	None	-	-	195.3	225	211	1226	208.3	250	226	1239
															54.0	2	129.9	208.9	250	222	1226	225.2	250	237	1239
	460-3-60	24.7	197	12.8	100	12.8	100	2.1	12.7	24	156.0	8.2	20.4	6.5	None	-	-	97.1	110	105	645	103.6	125	112	651
															54.0	2	65.0	105.3	125	112	645	113.4	125	119	651
															72.0	2	86.6	126.9	150	137	645	135.0	150	144	651
															90.0	2	108.3	148.6	150	162	645	156.7	175	169	651
															108.0	2	129.9	170.2	175	186	645	178.3	200	194	651
	575-3-60	22.4	135	9.6	78	9.6	78	1.6	8.8	19.1	126.0	6.1	16.4	5.2	None	-	-	78.8	100	84	485	84.0	100	90	490
															54.0	2	52.0	83.5	100	89	485	90.0	100	95	490
															72.0	2	69.3	100.8	110	109	485	107.3	110	115	490
															90.0	2	86.6	118.1	125	129	485	124.6	125	135	490
															108.0	2	103.9	135.4	150	148	485	141.9	150	154	490

Table 84: 27.5 ton to 50 ton VFD customer supplied high static with modulating power exhaust

Size (tons)	Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors each FLA	OD Fan Motors each LRA	Supply Blower Motor FLA	Supply Blower Motor LRA	Power exh VFD FLA	Power exh motor LRA	120V trans FLA	Electric heat option			MCA A	Max f/b size A	Min disconn. rating		MCA with 120V trans A	Max f/b size with 120V trans A	Min disconn. rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA								kW	Stages	A			FLA	LRA			FLA	LRA
50	208-3-60	67.3	485	39.1	267	39.1	267	7.2	40.7	48	312.0	15.2	40.7	14.4	None	-	-	254.3	300	273	1575	268.7	325	290	1590
															40.6	2	112.7	254.3	300	273	1575	268.7	325	290	1590
	230-3-60	67.3	485	39.1	267	39.1	267	6.8	40.7	48	312.0	15.2	40.7	13	None	-	-	252.7	300	271	1575	265.7	325	286	1588
															54.0	2	129.9	252.7	300	271	1575	265.7	325	286	1588
	460-3-60	32.7	215	18.6	142	18.6	142	3.4	20.4	24	156.0	8.2	20.4	6.5	None	-	-	123.9	150	133	777	130.4	150	141	784
															54.0	2	65.0	123.9	150	133	777	130.4	150	141	784
															72.0	2	86.6	126.9	150	137	777	135.0	150	144	784
															90.0	2	108.3	148.6	150	162	777	156.7	175	169	784
															108.0	2	129.9	170.2	175	186	777	178.3	200	194	784
	575-3-60	26.3	175	15.4	103	15.4	103	2.7	16.4	19.1	126.0	6.1	16.4	5.2	None	-	-	99.7	125	107	605	104.9	125	113	611
															54.0	2	52.0	99.7	125	107	605	104.9	125	113	611
															72.0	2	69.3	100.8	125	109	605	107.3	125	115	611
															90.0	2	86.6	118.1	125	129	605	124.6	125	135	611
															108.0	2	103.9	135.4	150	148	605	141.9	150	154	611

Typical wiring diagrams

Figure 8: Cooling unit VAV - elementary diagram power circuit

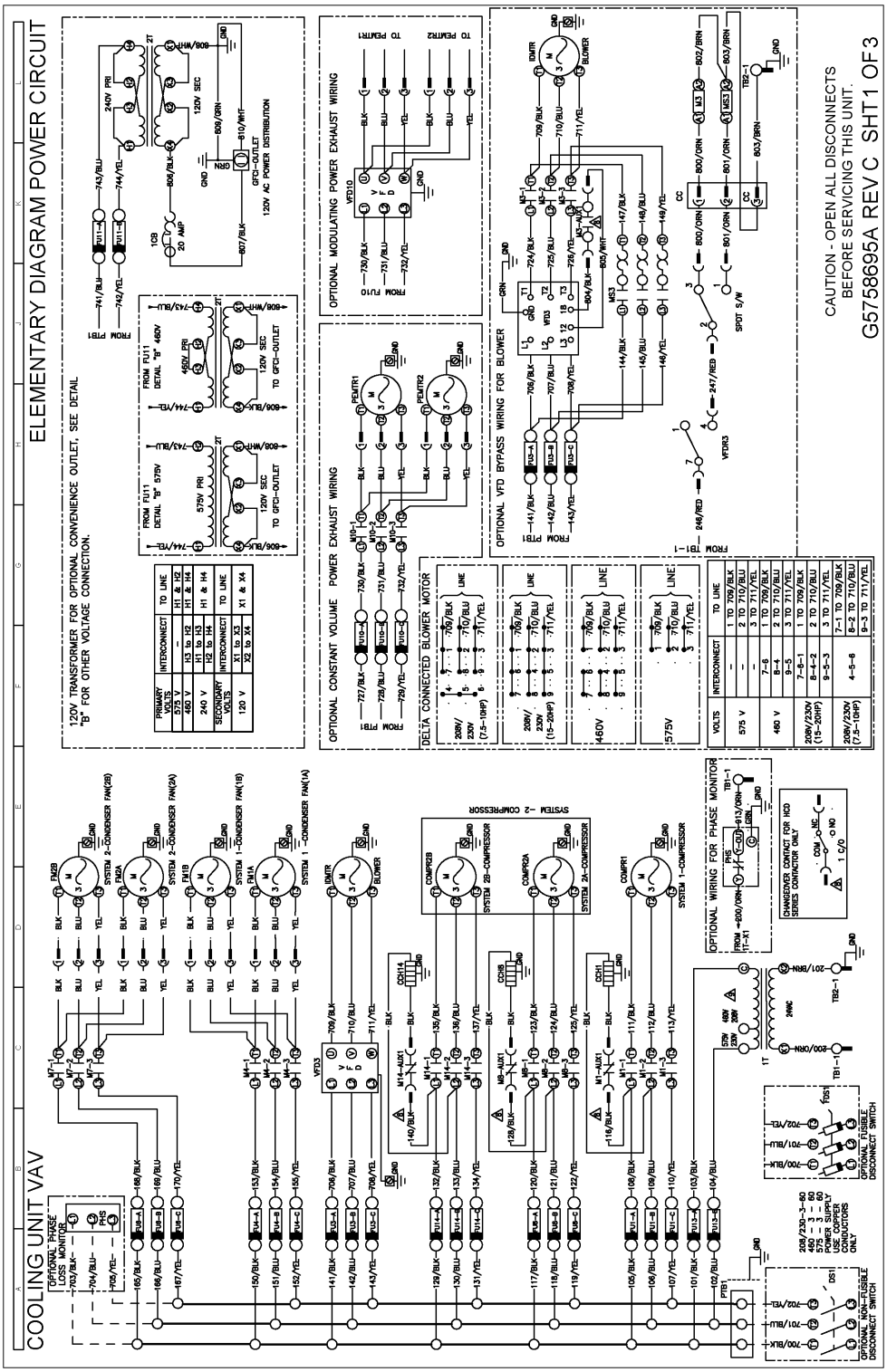


Figure 9: Cooling unit VAV - elementary diagram control circuit

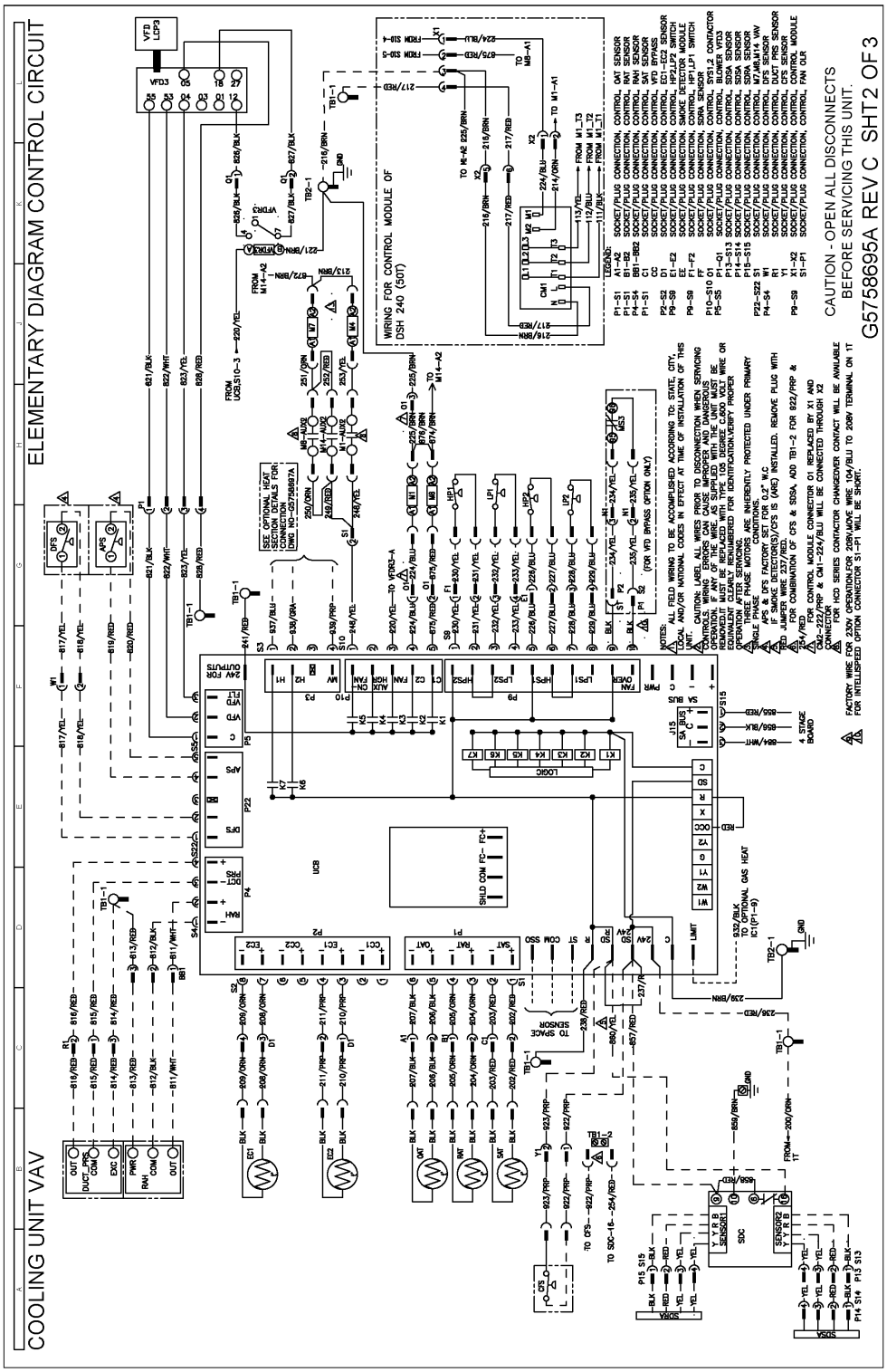


Figure 10: Cooling unit VAV - elementary diagram control circuit continued

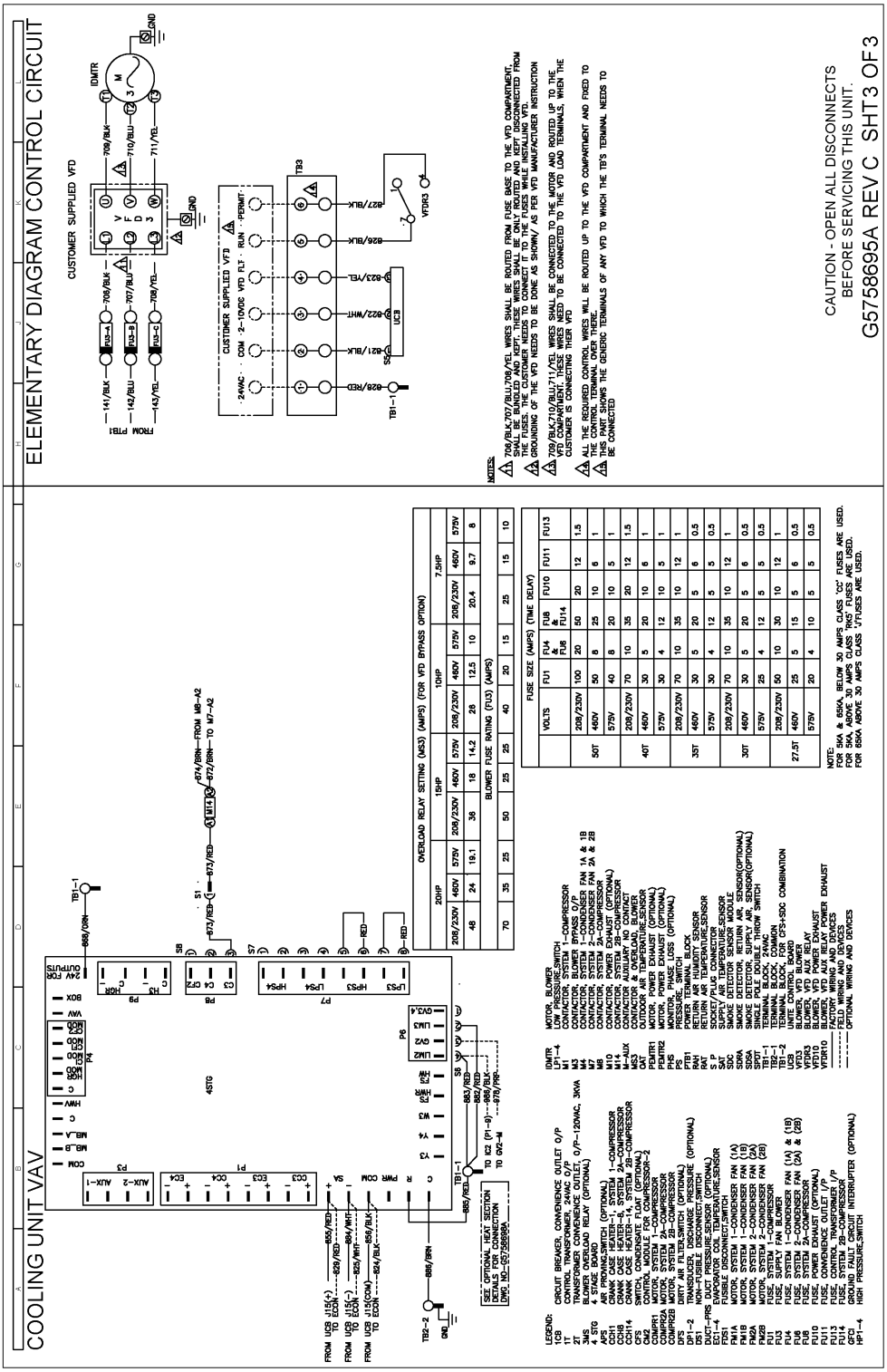


Figure 11: Cooling unit CV and Intellispeed - elementary diagram power circuit

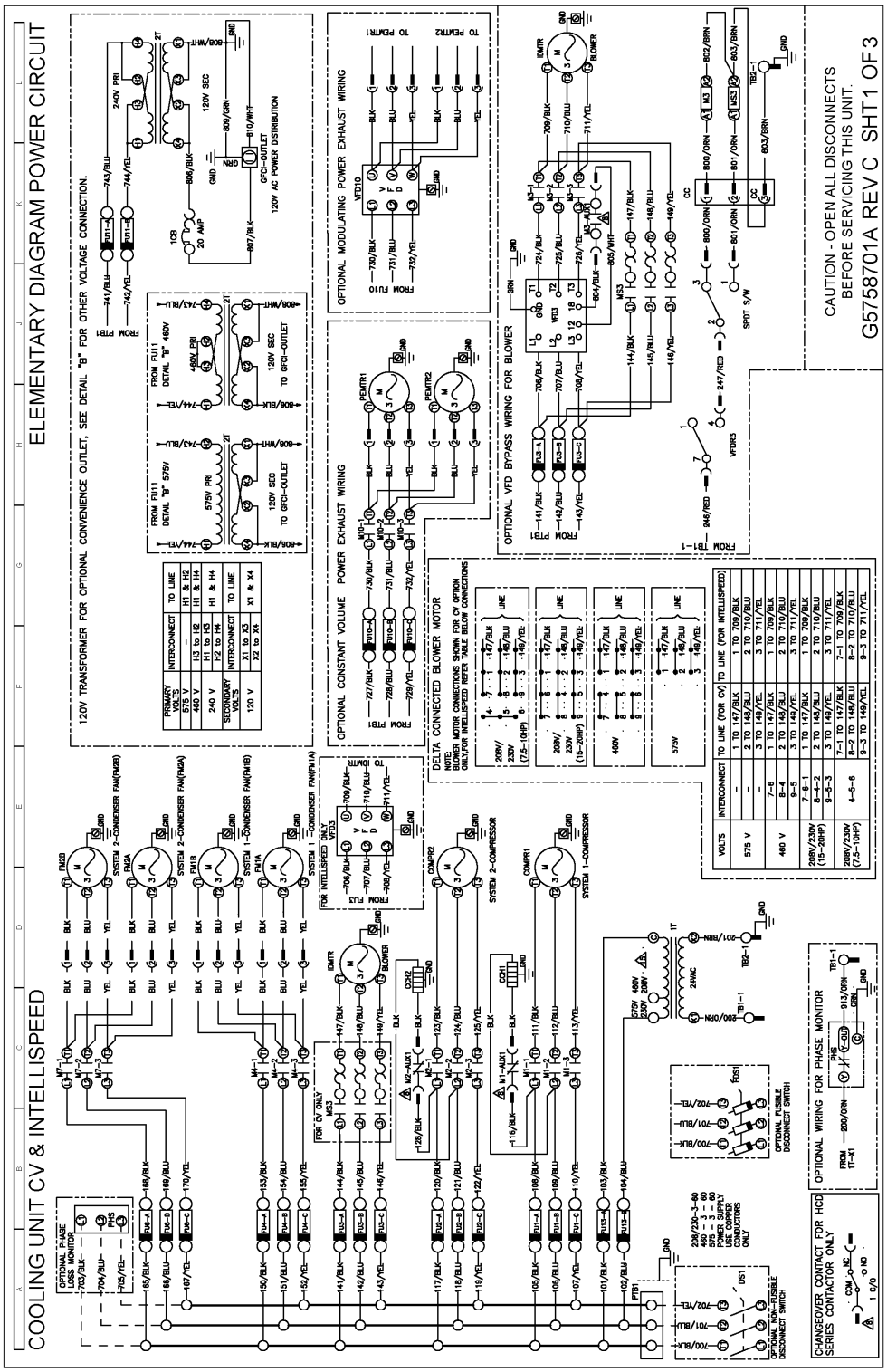


Figure 12: Cooling unit CV and Intellispeed - elementary diagram control circuit

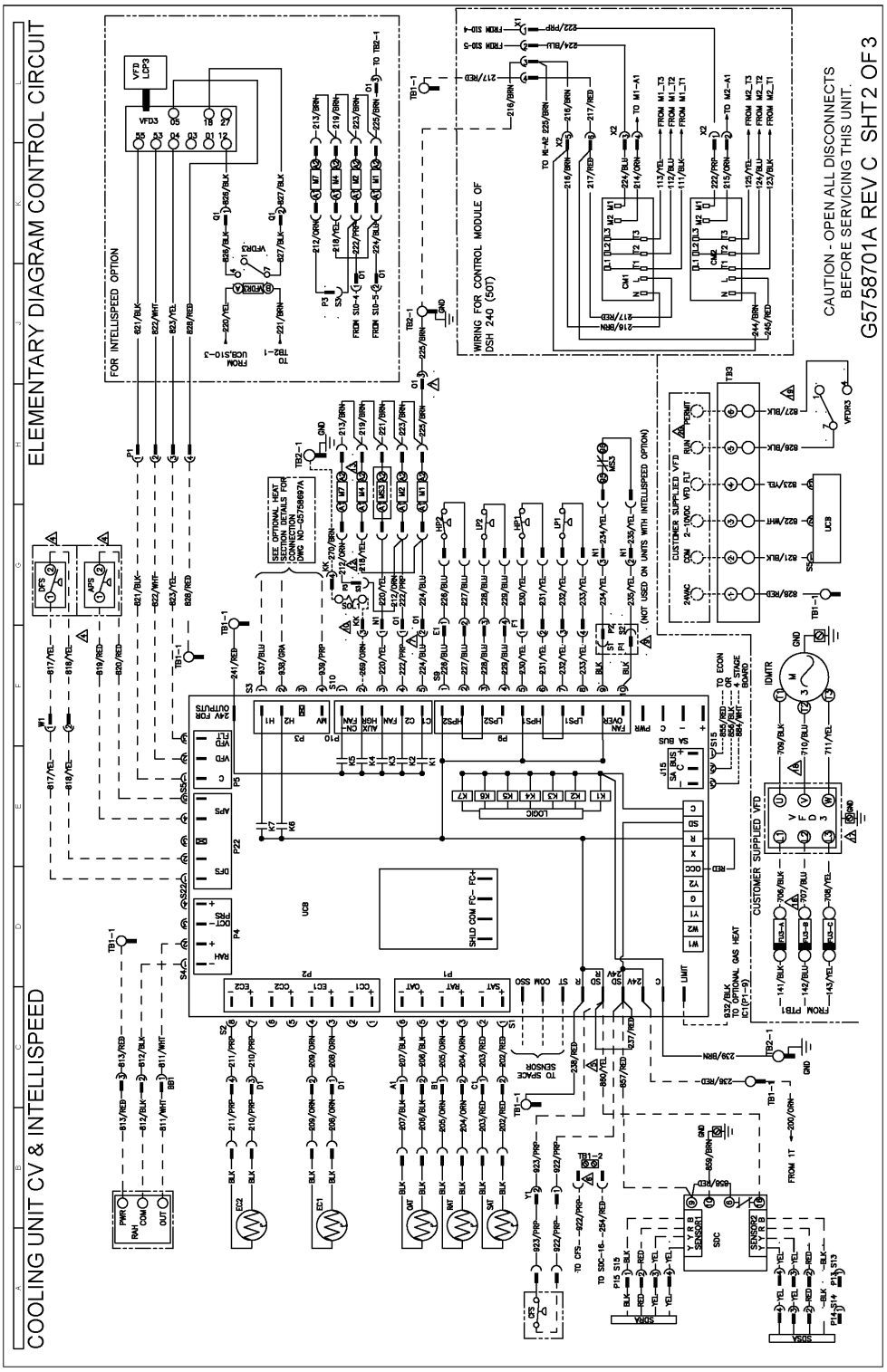


Figure 13: Cooling unit CV and Intellispeed - elementary diagram

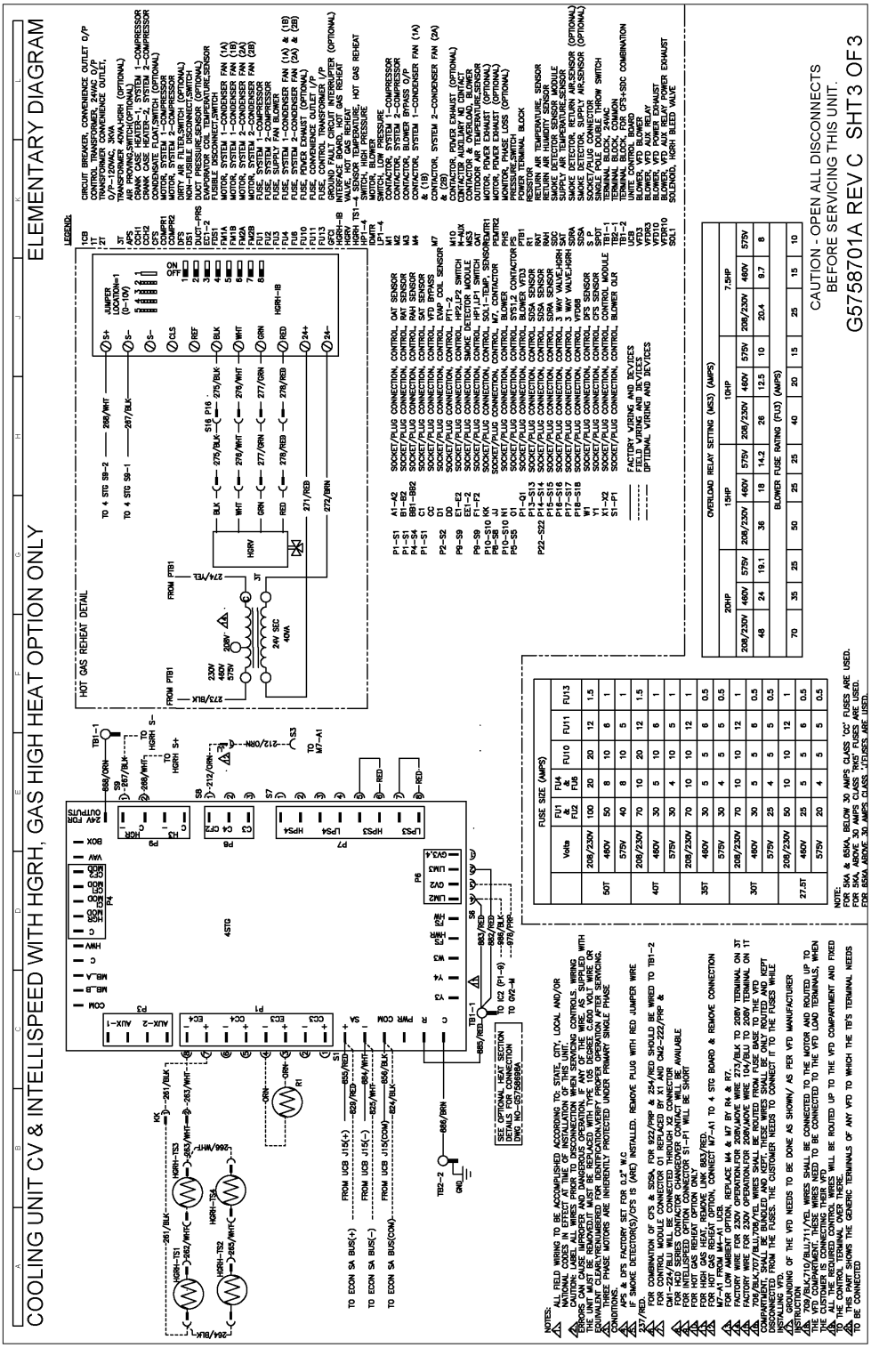


Figure 14: Economizer - elementary diagram control circuit

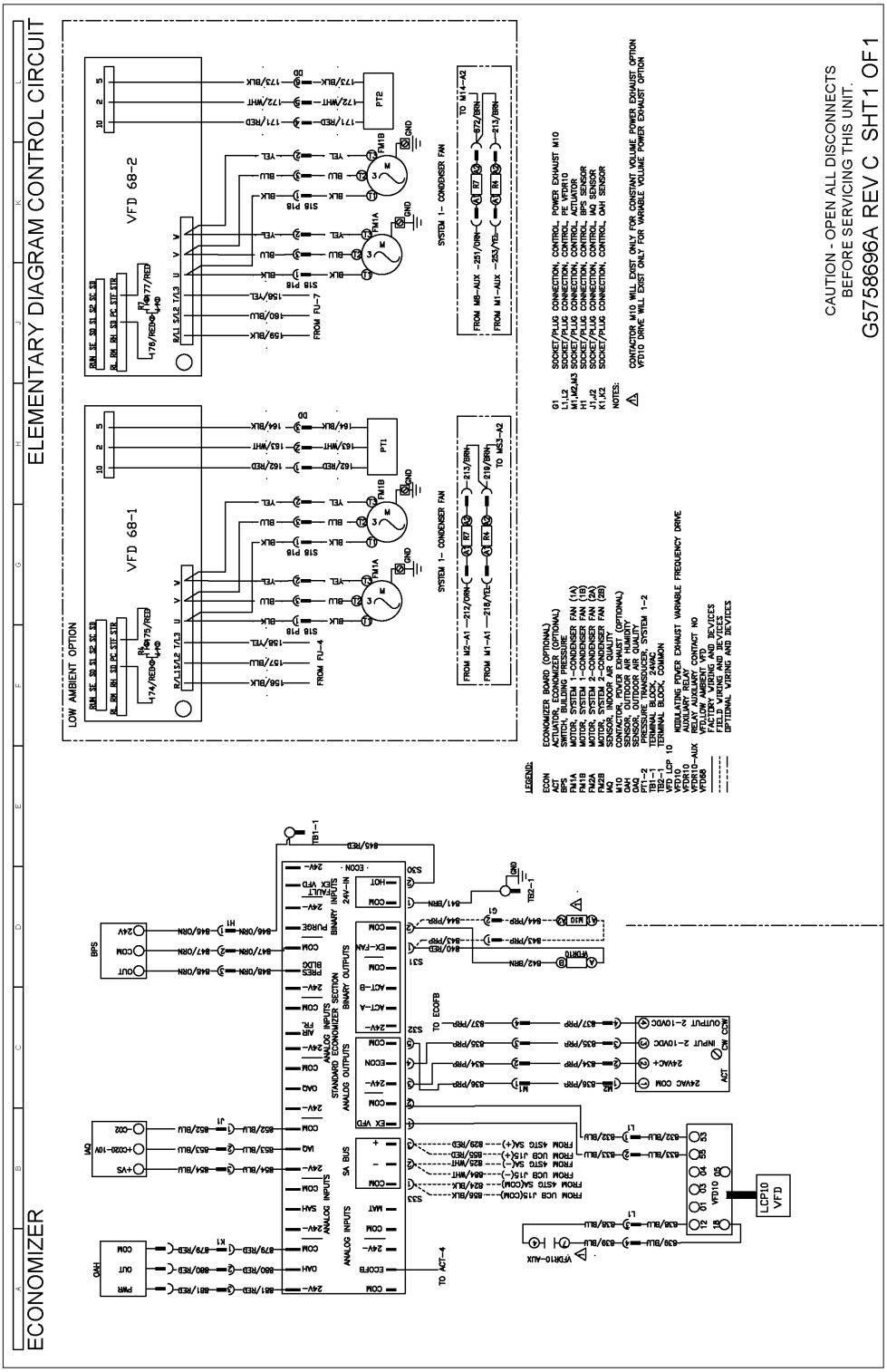


Figure 15: Low heat gas unit - elementary diagram control and power circuit

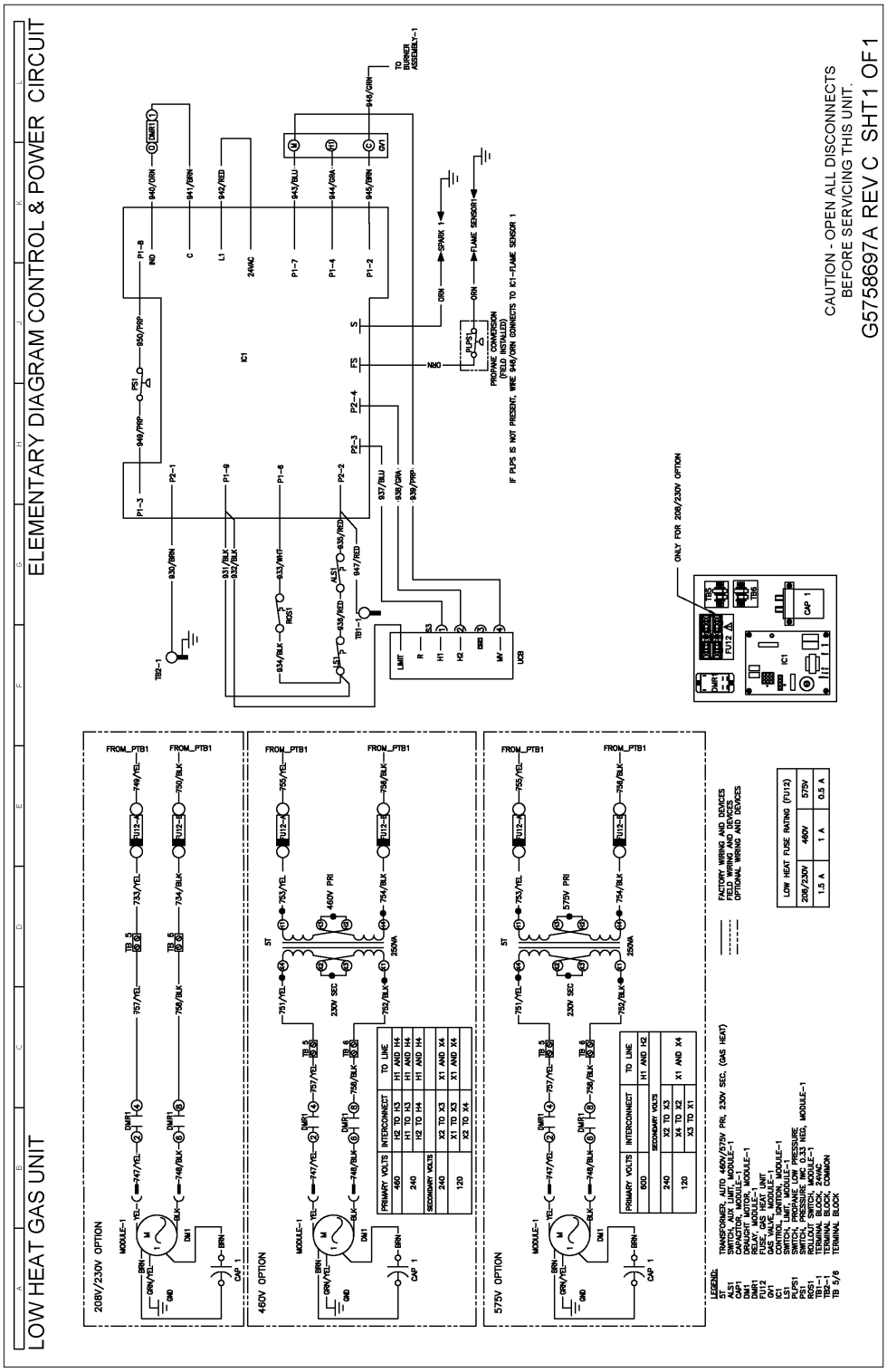


Figure 16: High heat gas unit - elementary diagram control and power circuit

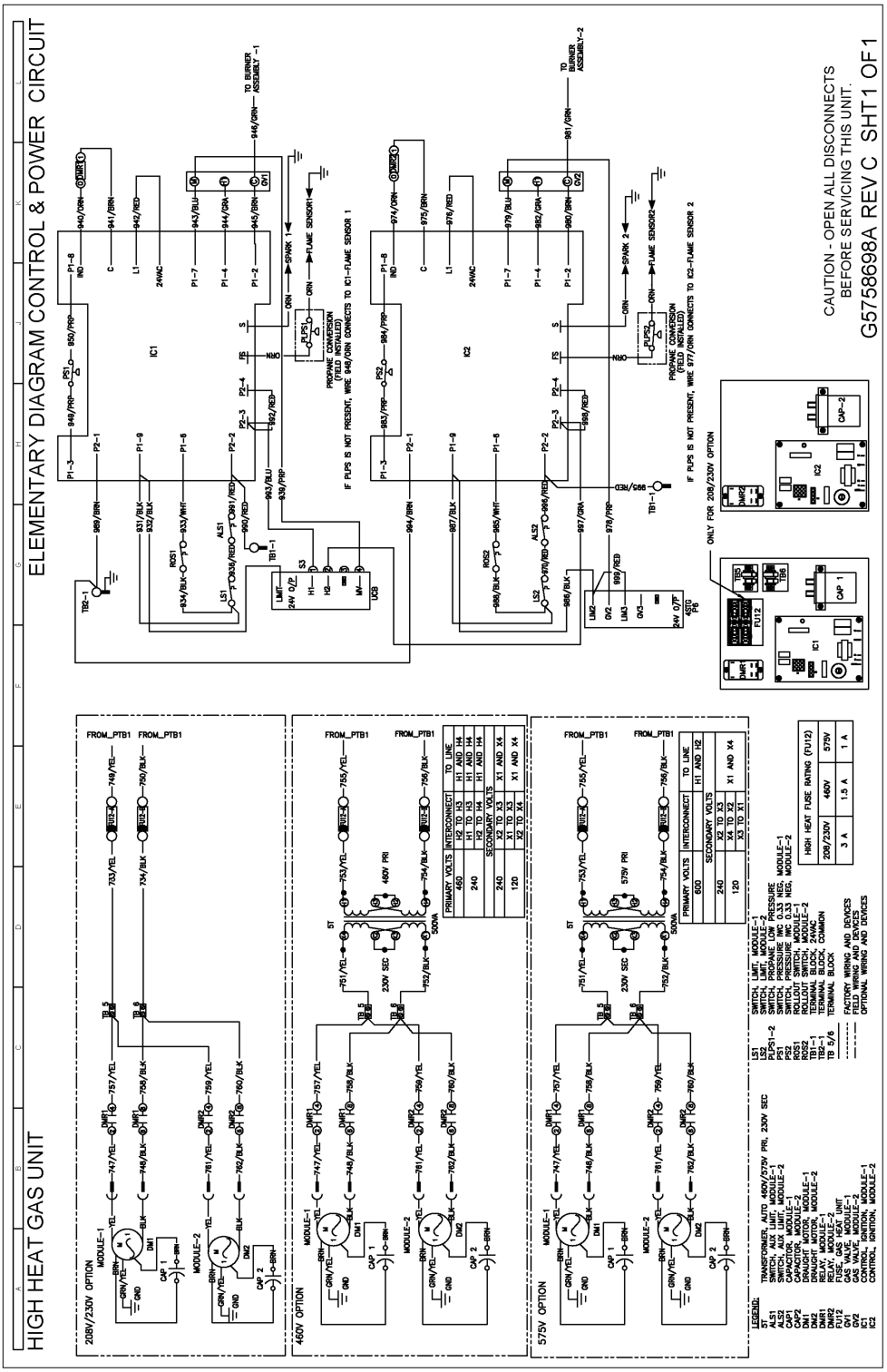


Figure 17: Modulating gas heat unit - elementary diagram control and power circuit

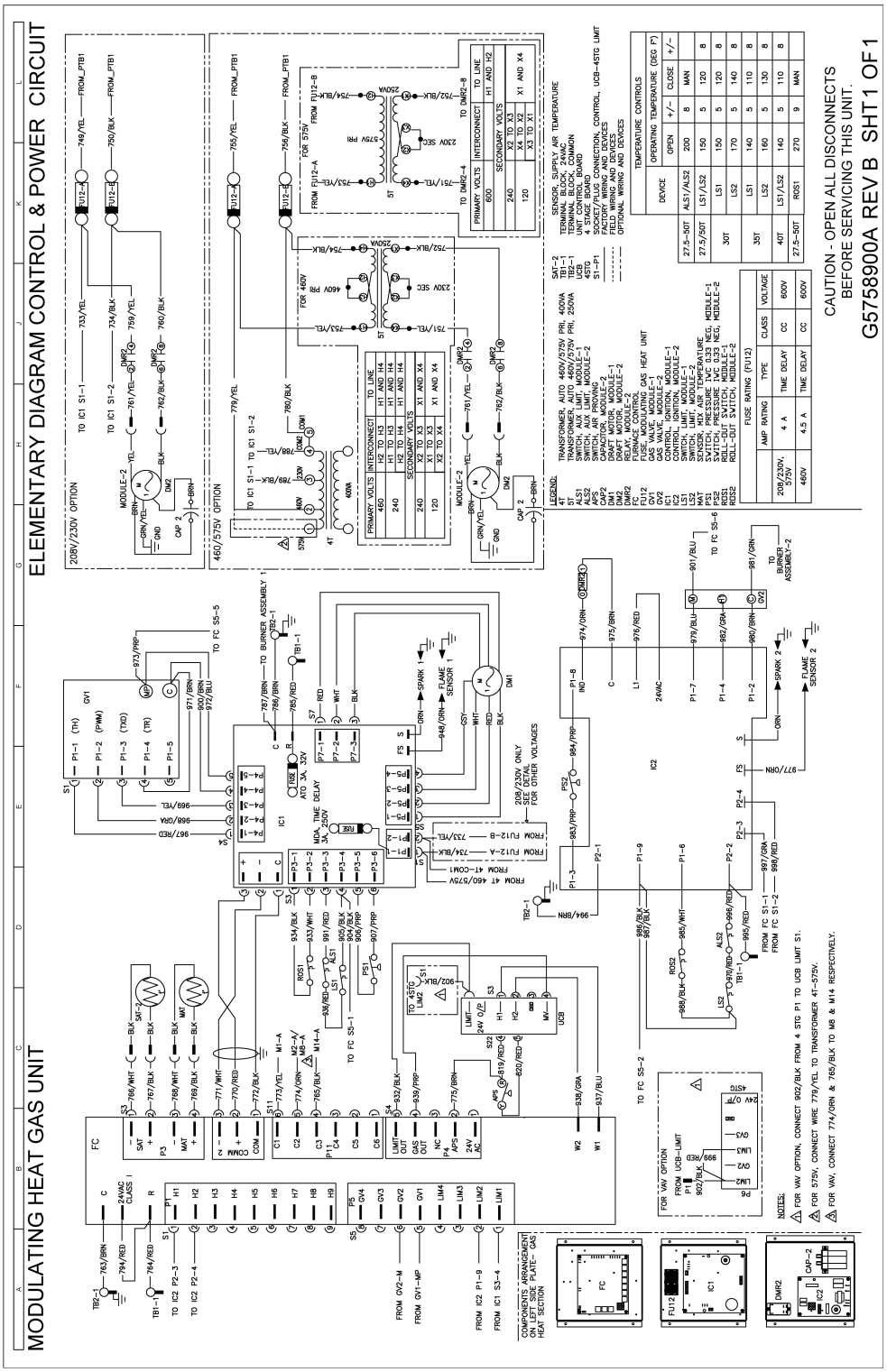


Figure 18: Electric heat - elementary diagram control and power circuit

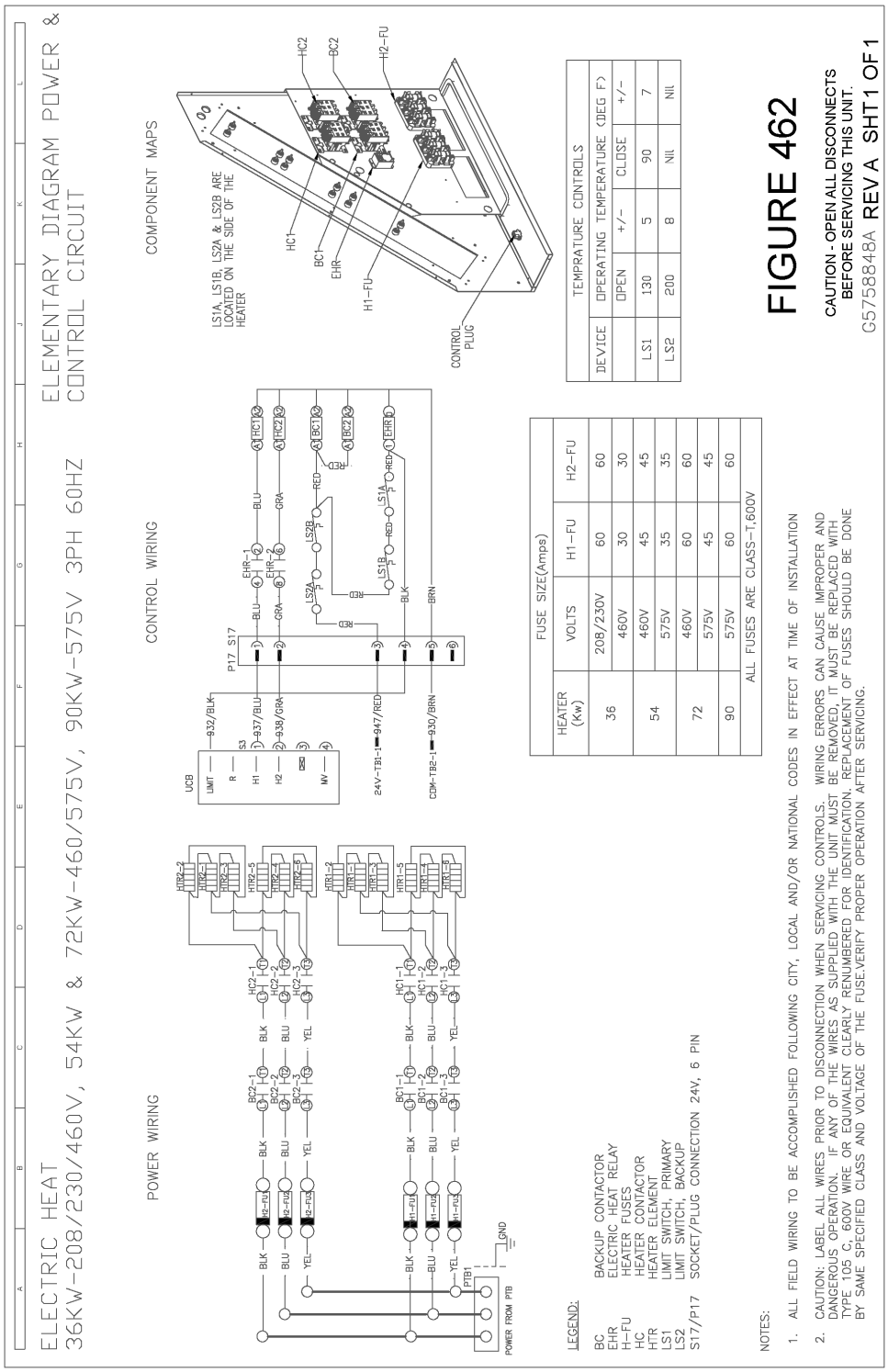


Figure 19: Electric heat - elementary diagram control and power circuit

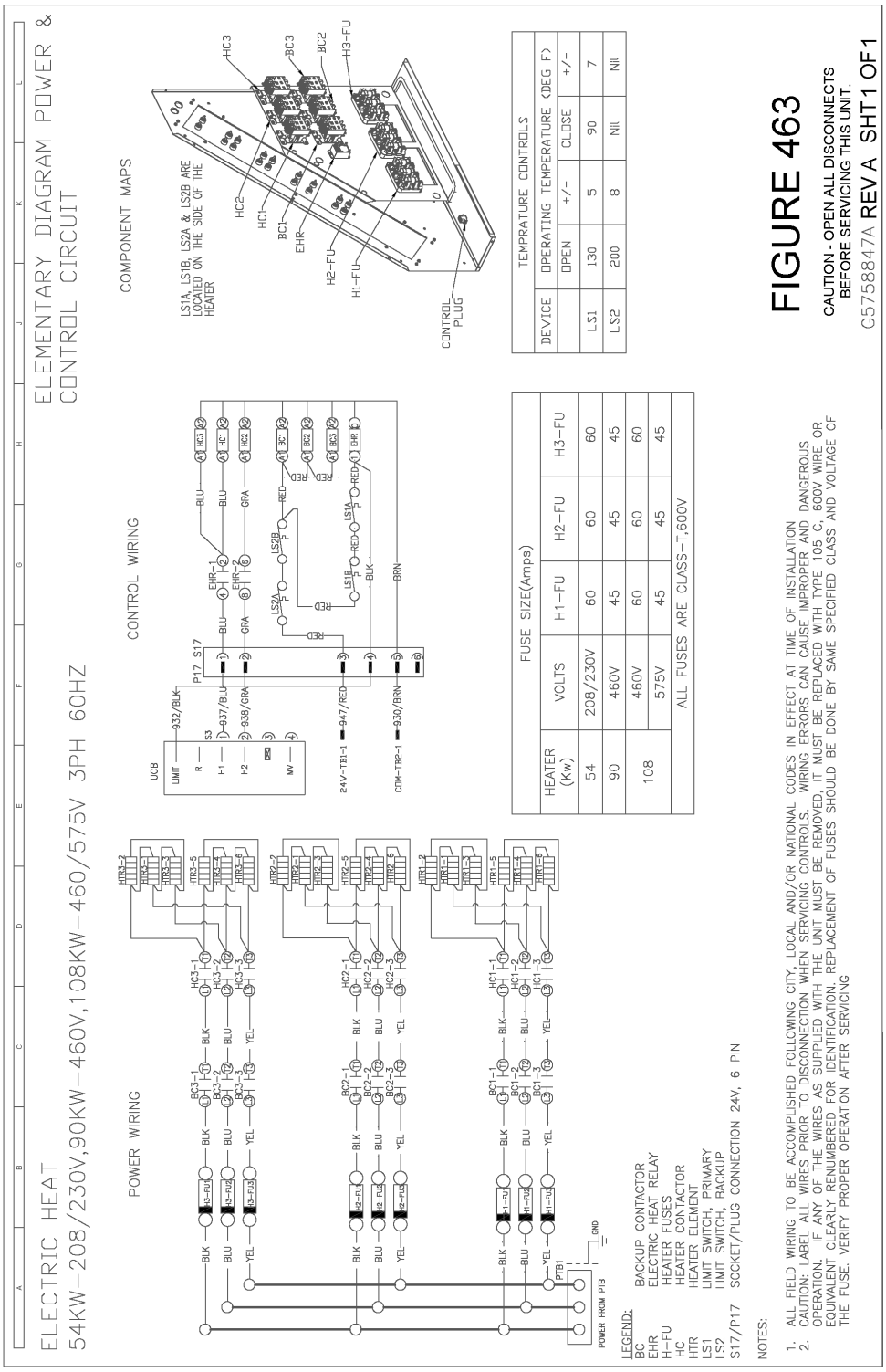


Figure 20: Cooling unit CV and Intellispeed - elementary diagram power circuit

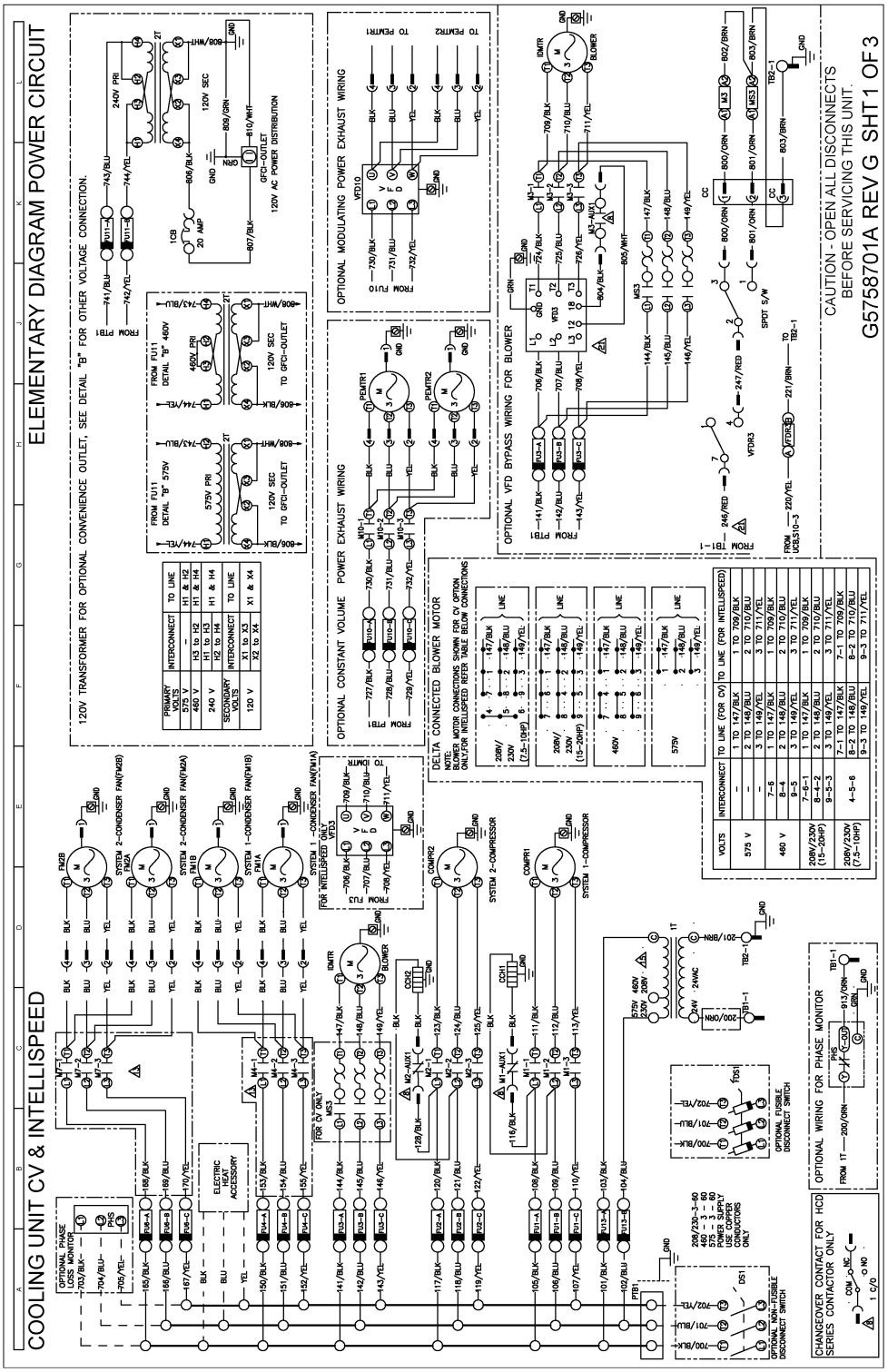


Figure 21: Cooling unit CV and Intellispeed - elementary diagram control circuit

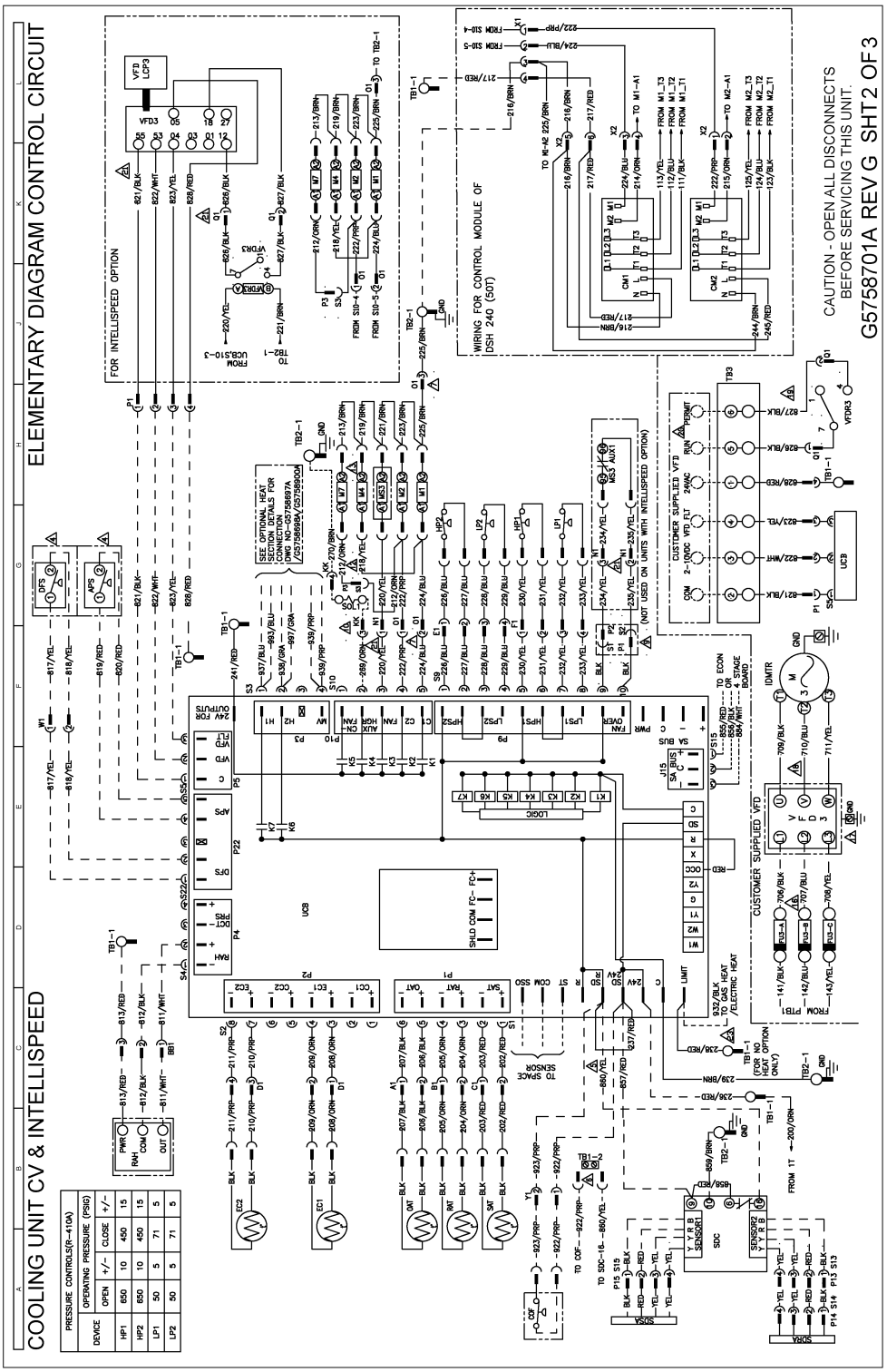
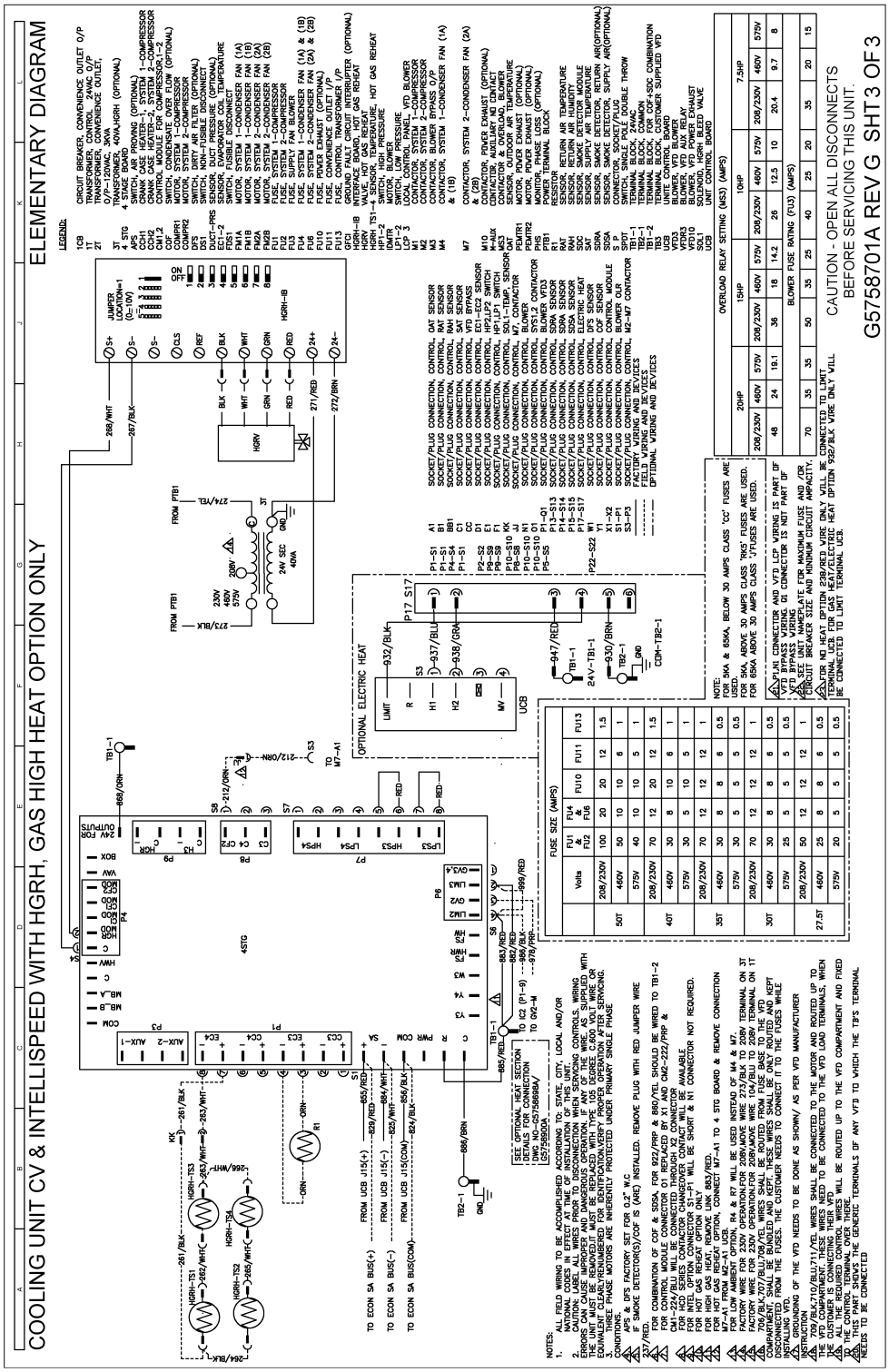


Figure 22: Cooling unit CV and Intellispeed with HGRH, Gas high heat option only - elementary diagram



Weights and dimensions

Figure 23: 27.5 ton to 35 ton physical dimensions

TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)			4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 POINT CORNER LOADS LBS [KG] (BASE UNIT)						
		X	Y		A	B	C	D	A	B	C	D	E	F	
27.5	4078 [1849]	100.1 [2543.3]	43.2 [1097.8]		869 [3941]	1089 [4941]	1179 [5351]	940 [4261]	558 [2531]	755 [3421]	817 [3701]	604 [2741]	645 [2931]	698 [3171]	
30	4105 [1862]	100.6 [2555.0]	43.2 [1098.0]		870 [3941]	1102 [5001]	1192 [5411]	941 [4271]	558 [2531]	765 [3471]	827 [3751]	604 [2741]	649 [2941]	702 [3191]	
35	4191 [1900]	99.8 [2535.1]	43.2 [1098.2]		897 [4071]	1116 [5061]	1207 [5481]	970 [4401]	577 [2621]	772 [3501]	835 [3791]	624 [2831]	664 [3011]	718 [3261]	

NOTES:
1. FOR OUTDOOR USE ONLY.
2. WEIGHTS SHOWN ARE FOR COOLING ONLY UNITS.
3. MINIMUM CLEARANCES:
   RIGHT SIDE: 96 [2438]
   LEFT SIDE: 60 [1524]
   FRONT: 90 [2286]
   REAR: 36 [914]
   TOP: 120 [3048]
   W/ECONOMIZER/POWER EXHAUST: 72 [1829]
4. FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES, CONTACT YOUR APPLICATION ENGINEERING DEPARTMENT.
5. DOWNFLOW DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB ONLY. IF UNIT IS MOUNTED ON COMBUSTIBLE SUPPLY, IT IS RECOMMENDED THAT THE DUCTS ARE SUPPORTED BY CROSS BRACES. AS DONE ON THE ACCESSORY ROOF CURBS.
6. MINIMUM CONDENSATION TRAP HEIGHT SHALL BE 1.5 TIMES THE LOWEST NEGATIVE STATIC IN MILLIMETERS.
7. DIMENSIONS ARE IN INCHES [MILLIMETERS].
8. OPTIONAL GAS HEAT, DISCONNECT SWITCH SHOWN.
9. HEAT EXCHANGER IS TYPICAL OF HIGH GAS HEAT OPTION.

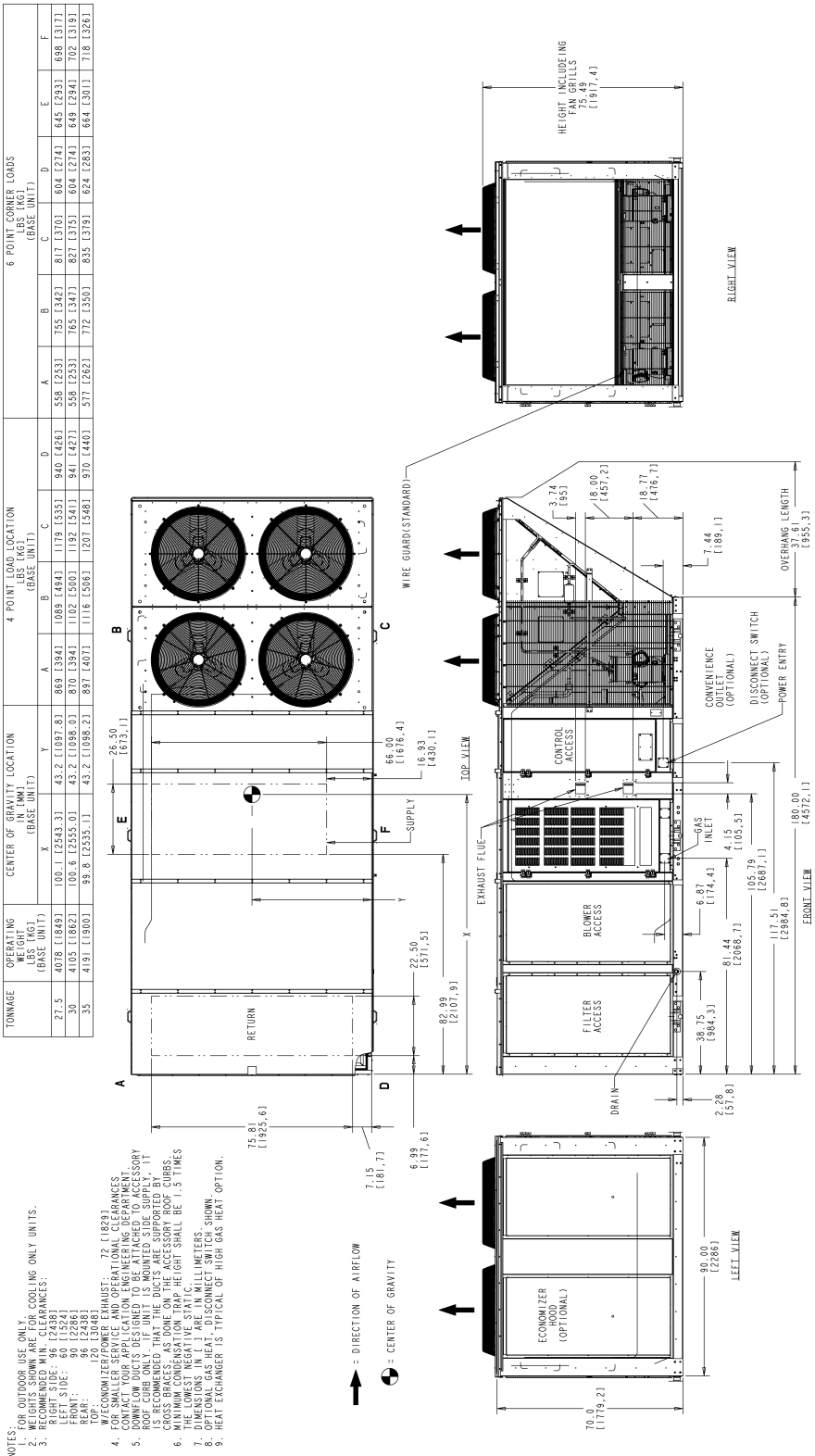


Figure 24: 27.5 ton to 35 ton physical dimensions continued

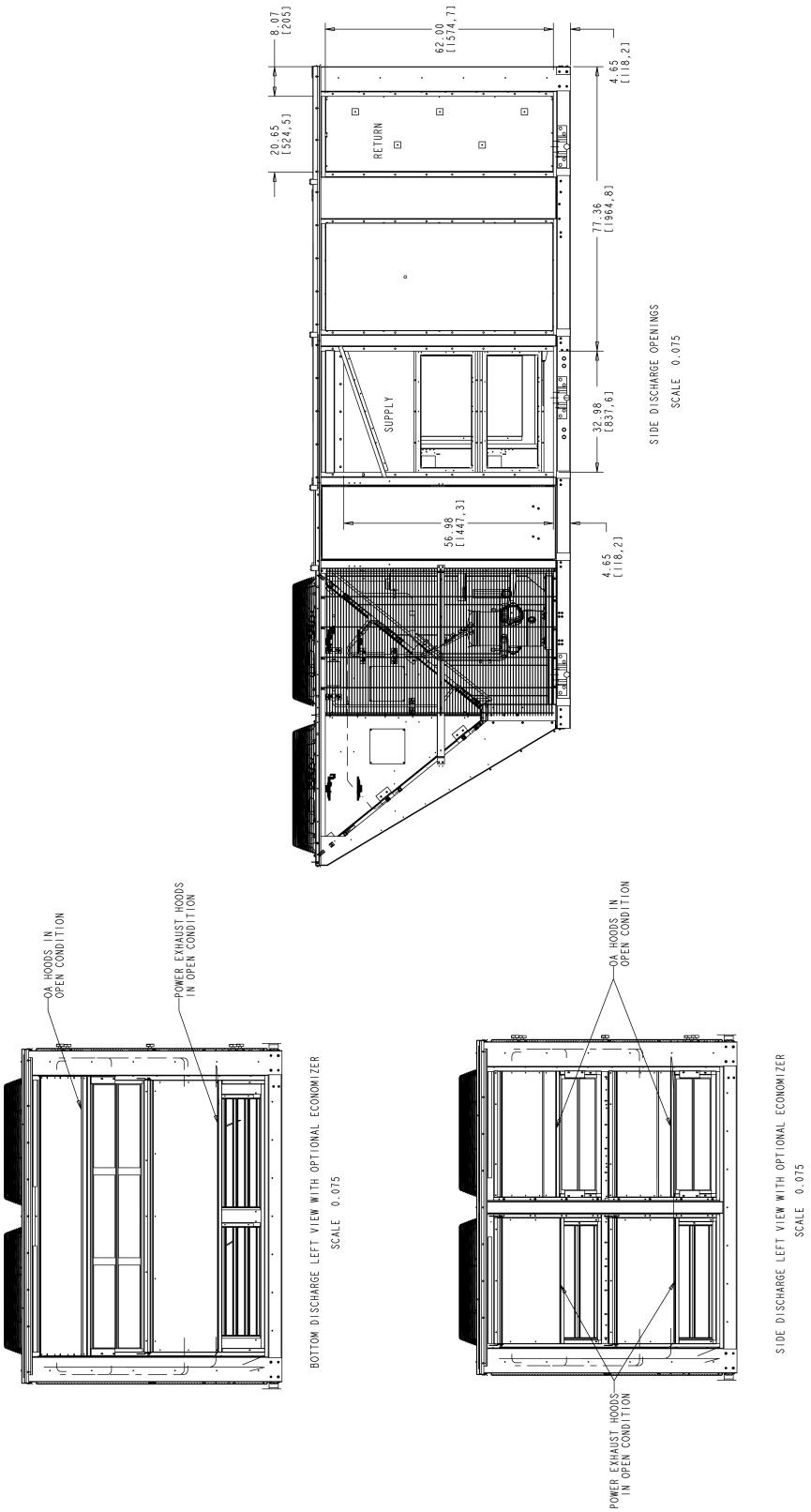


Figure 25: 40 ton to 50 ton physical dimensions

TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)		4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 POINT CORNER LOADS LBS [KG] (BASE UNIT)					
		X	Y	A	B	C	D	A	B	C	D	E	F
40	5742 [2604]	116 [2947.2]	44.1 [1121.3]	1408 [6391]	1409 [6391]	1463 [6641]	1462 [6633]	939 [4261]	939 [4261]	976 [4427]	975 [4421]	939 [4261]	975 [4421]
50	5984 [2714]	118.3 [3004.9]	44.2 [1122.7]	1440 [6533]	1499 [6801]	1553 [7041]	1492 [6773]	954 [4331]	1006 [4561]	1042 [4731]	988 [4481]	979 [4441]	1015 [4601]

NOTES:
1. FOR OUTDOOR USE ONLY.
2. WEIGHTS SHOWN ARE FOR COOLING ONLY UNITS.
3. RECOMMENDED MIN. CLEARANCES:
   RIGHT SIDE: 96 [2438]
   LEFT SIDE: 60 [1524]
   FRONT: 90 [2286]
   REAR: 96 [2438]
   TOP: 120 [3048]
   W/ECONOMIZER/POWER EXHAUST: 72 [1829]
4. FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES CONTACT YOUR APPLICATION ENGINEERING DEPARTMENT.
5. DOWNFLOW DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB ONLY. IF UNIT IS MOUNTED SIDE SUPPLY, IT IS RECOMMENDED THAT THE DUCTS ARE SUPPORTED BY CROSS BRACES AS DONE ON THE ACCESSORY ROOF CURBS.
6. MINIMUM CONDENSATION TRAP HEIGHT SHALL BE 1.5 TIMES THE NEGATIVE STATIC IN W.
7. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
8. OPTIONAL GAS HEAT, DISCONNECT SWITCH SHOWN.
9. HEAT EXCHANGER IS TYPICAL OF HIGH GAS HEAT OPTION.

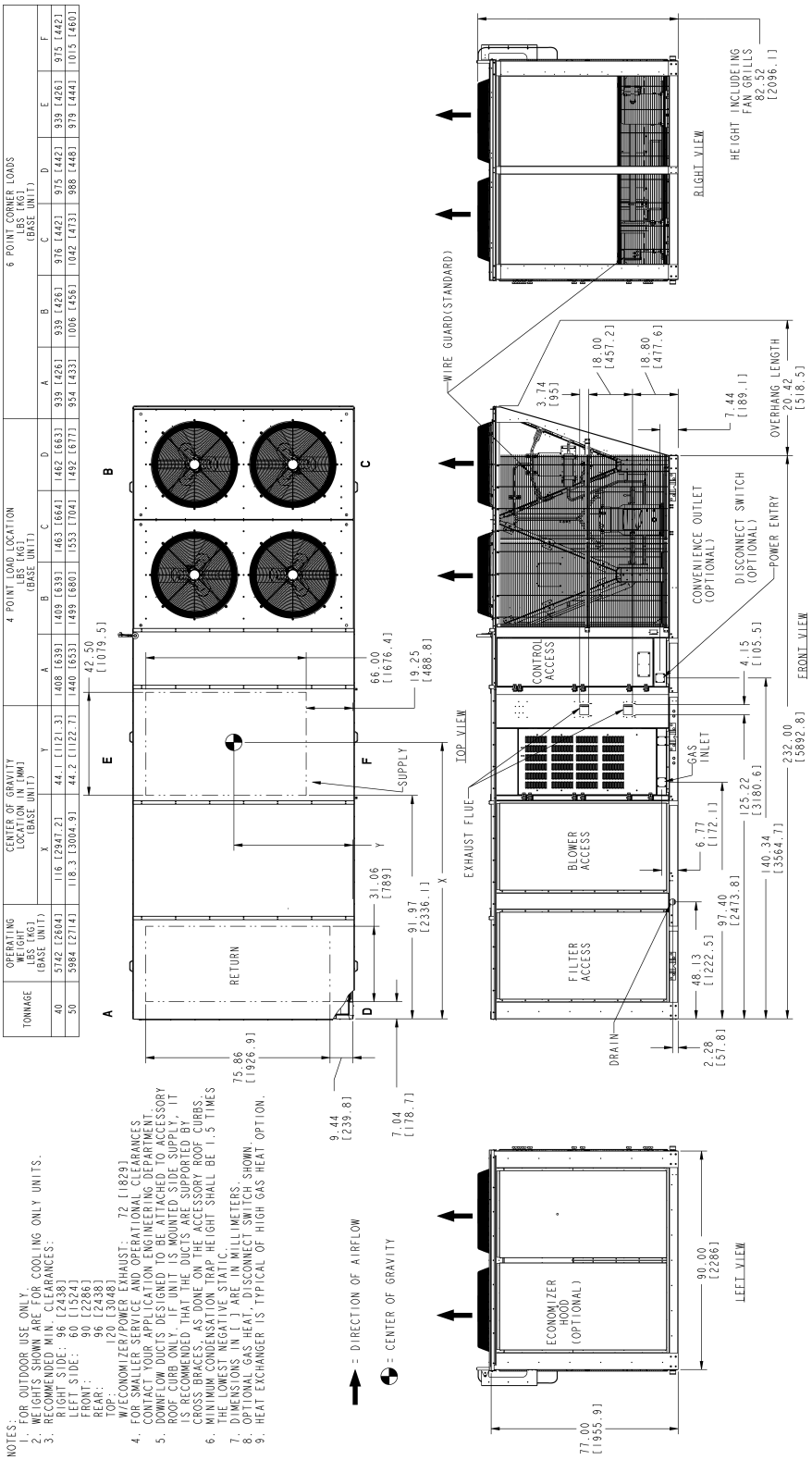
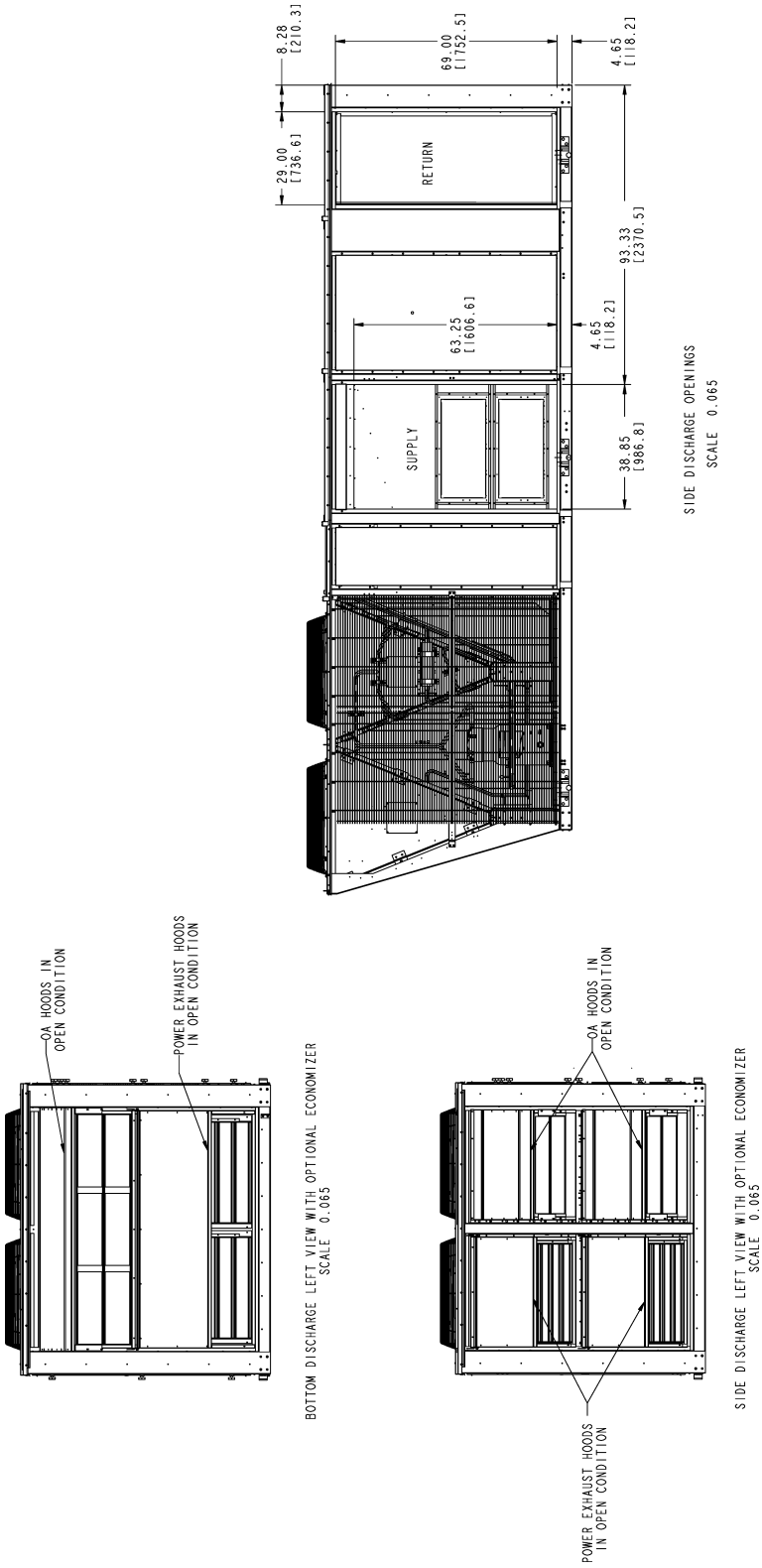
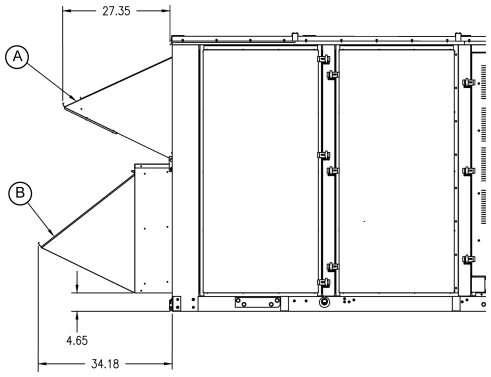


Figure 26: 40 ton to 50 ton physical dimensions continued



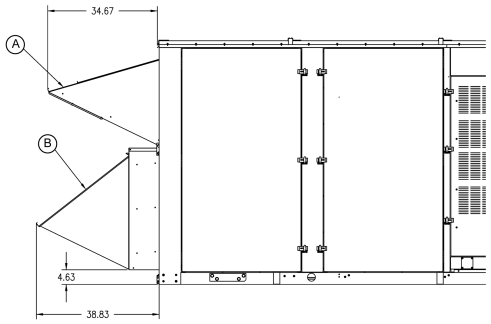
Rain hood dimensions

Figure 27: 27.5 ton to 35 ton rain hood dimensions



Item	Description
A	Economizer and manual damper rain hood
B	Power exhaust rain hood

Figure 28: 40 ton to 50 ton rain hood dimensions



Item	Description
A	Economizer and manual damper rain hood
B	Power exhaust rain hood

Utilities entry

Table 85: Utilities entry

Entry description		Opening size diameter (in.)
Control wiring	Bottom	1-in. knockout for field drilling
Power wiring	Front	Field drilled to maximum of 3 in.
	Bottom	Field drilled to maximum of 3 in.
Gas piping	Front[1, 2]	2 5/8-in. hole with 1 1/2-in. grommet
	Bottom[3]	1/4-in. pilot hole in gas heat base pan
Condensate drain	Front[2, 4]	2 1/2-in. hole with 1 1/2-in. grommet

1 1-1/4 in. NPT gas piping is required.
2 You must insert the piping through the factory-installed grommet for a watertight seal.
3 Factory provided pilot hole shows the hole location to facilitate the drilling of entry holes.
4 1-in. NPT male connection piping is required.

ⓘ **Note:** You must field seal all entry holes to prevent rain water entry into the building.

Accessory weights

Table 86: Unit accessory weights: vertical airflow units

Unit accessory	Unit size				
	27.5 ton (lb)	30 ton (lb)	35 ton (lb)	40 ton (lb)	50 ton (lb)
Economizer	307	307	307	359	359
Power exhaust	314	314	314	390	390
Manual damper	85	85	85	120	120
Barometric damper	230	230	230	285	285
Gas heat (largest)	155	155	220	220	220
Hail guard	80	80	80	121	121
Roof curb	475	475	475	520	520
Electric heat (largest)	80	80	80	90	90
Hot gas reheat	56	56	56	75	79

Table 87: Unit accessory weights: horizontal airflow units

Unit accessory	Unit size				
	27.5 ton (lb)	30 ton (lb)	35 ton (lb)	40 ton (lb)	50 ton (lb)
Economizer	398	398	398	425	425
Power exhaust	211	211	211	225	225
Manual damper	85	85	85	120	120
Barometric damper	90	90	90	104	104
Gas heat (largest)	155	155	220	220	220
Hail guard	80	80	80	121	121
Roof curb	475	475	475	520	520
Electric heat (largest)	80	80	80	90	90
Hot gas reheat	56	56	56	75	79

Table 88: Supply fan VFD weights

Supply fan motor	208/230 V (lb)	460 V (lb)	575 V (lb)
7.5 HP	17.4	9.9	14.6
10 HP	17.4	9.9	14.6
15 HP	20.9	17.4	26.5
20 HP	20.9	17.4	26.5

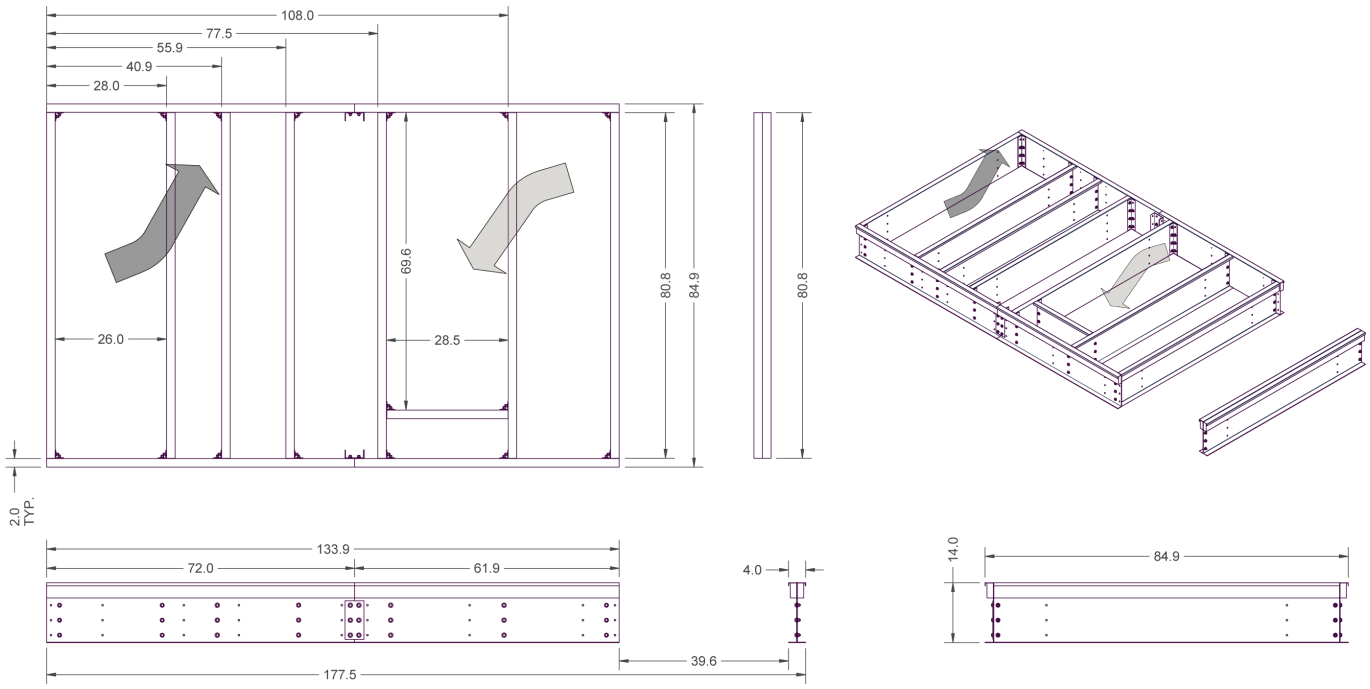
Roof curbs

The following figures show the roof curbs for downflow units. All dimensions are in inches.

Return air

Supply air

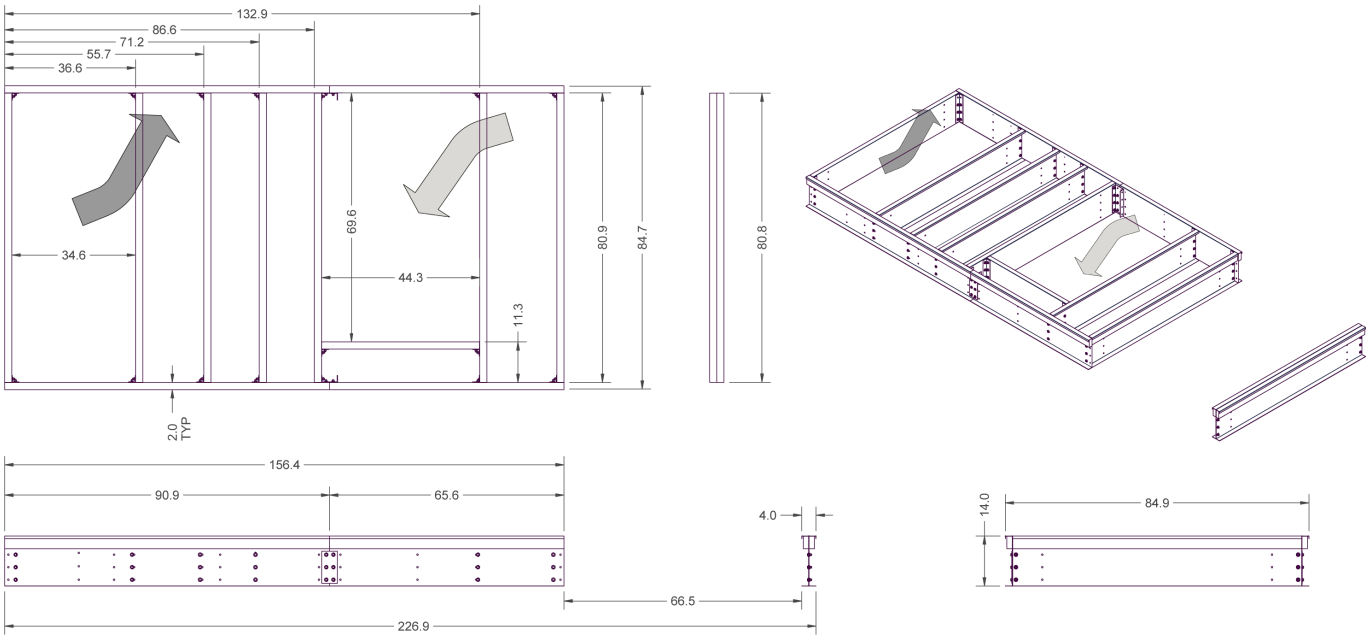
Figure 29: 1RC0450 roof curb dimensions



The following units are compatible with 1RC0450 roof curbs.

- UV28
- UV30
- UV35

Figure 30: 1RC0451 roof curb dimensions



The following units are compatible with 1RC0451 roof curbs.

- UV40
- UV50

Figure 31: Vertical airflow economizer details

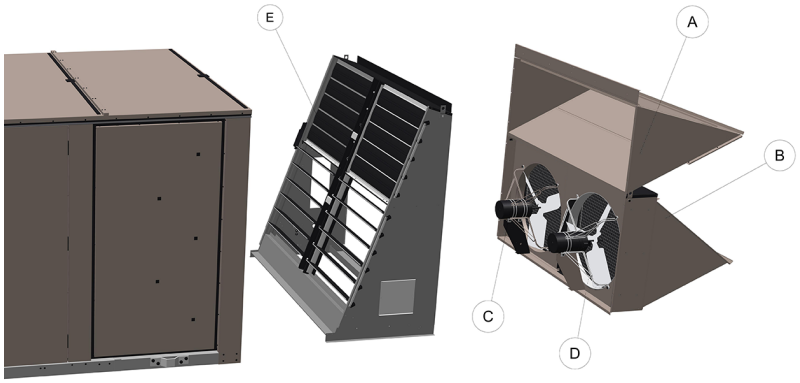


Table 89: Vertical airflow economizer components

Item	Description
A	Fresh air hood
B	Power exhaust hood
C	Power exhaust
D	Power exhaust damper
E	Low leak economizer

Figure 32: Horizontal airflow economizer details

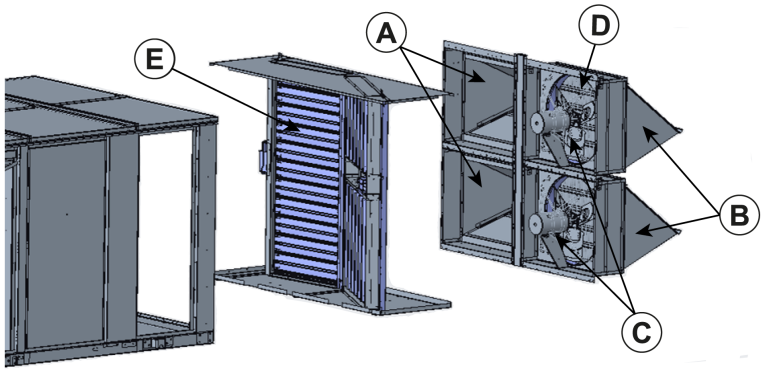


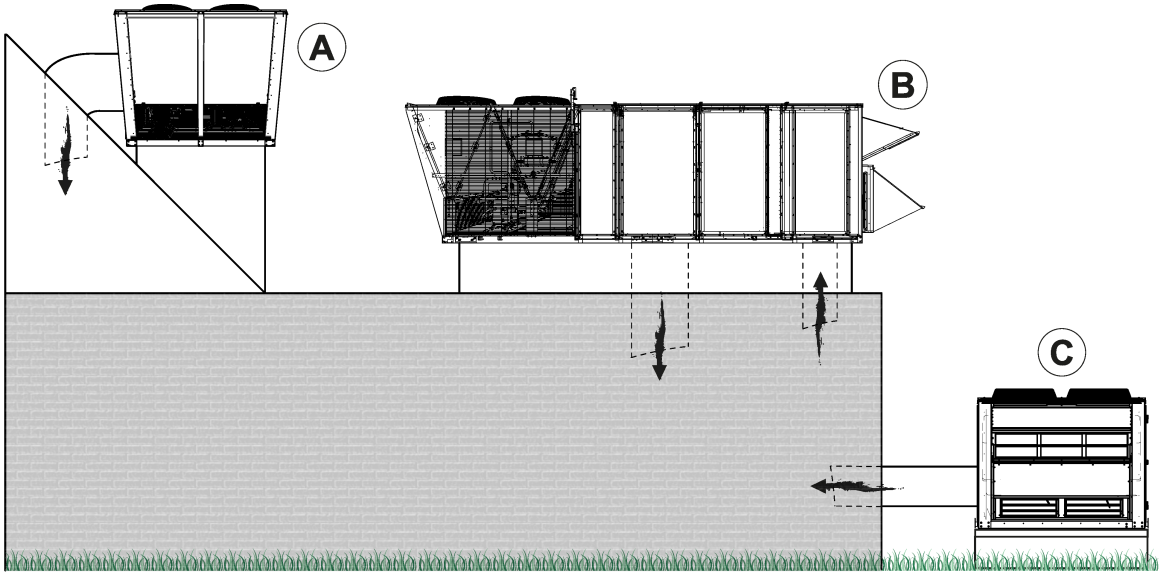
Table 90: Horizontal airflow economizer components

Item	Description
A	Fresh air hood
B	Power exhaust hood
C	Power exhaust
D	Power exhaust damper
E	Low leak economizer

Typical installation

The following figure shows the typical installations for the unit.

Figure 33: Typical installations



Item	Description
A	Roof jack installation
B	Roof curb installation
C	Slab on ground installation

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