

COOLING CAPACITY: 24,000 - 58,000 BTU/H  
HEATING CAPACITY: 18,200 - 55,000 BTU/H

PACKAGED HEAT PUMP  
UP TO 16 SEER / 8.2 HSPF  
2 TO 5 TONS



5 Tons



2 - 4 Tons



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### Standard Features

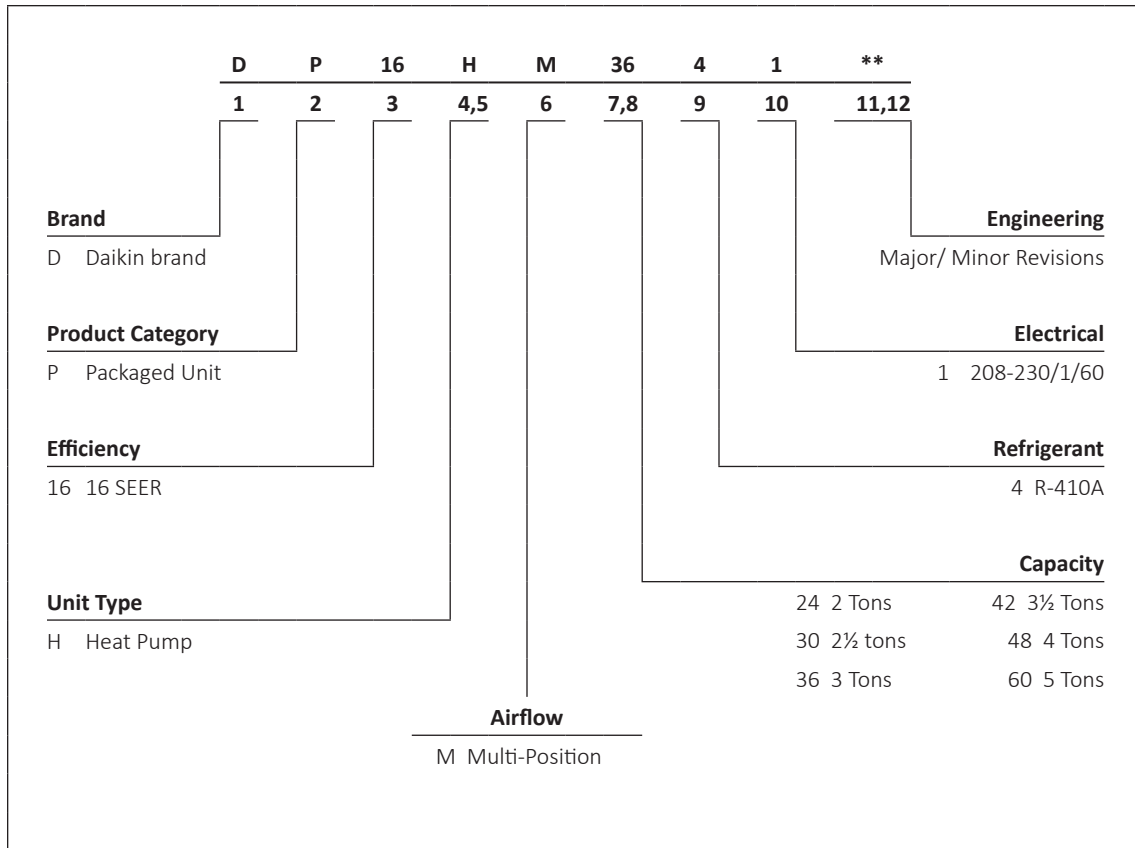
- Energy-efficient compressor with internal relief valve
- Two-stage heating & cooling
- Multi-speed ECM blower motor
- Liquid-line filter drier
- Copper tube/aluminum fin condenser coils
- All-aluminum evaporator coil (2-4 Ton)
- Copper Tube/ Aluminum Fin Evaporator coil (5 Ton)
- Totally enclosed, permanently lubricated condenser fan motor
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed





### Cabinet Features

- Fully insulated heavy-gauge, zinc-coated steel cabinet with UV-resistant grey powder-paint finish (Sandstone Beige for the 5-ton model)
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Horizontal or downflow application
- Convenient access panels
- Compressor sound blanket
- Compressor grommets for vibration isolation
- Bottom, 2" high base rails for easier handling
- Louvered condenser coil protection
- When properly anchored, meets the 2017 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



\* Complete warranty details available from your local dealer or at [www.daikincomfort.com](http://www.daikincomfort.com). To receive the 6-Year Unit Replacement Limited Warranty and 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Québec.



	DP16HM 2441A*	DP16HM 2441A* +OTHPKPG <sup>†</sup>	DP16HM 3041A*	DP16HM 3041A* +OTHPKPG <sup>†</sup>	DP16HM 3641A*	DP16HM 4241A*	DP16HM 4841AA	DP16HM 6041B*
<b>COOLING CAPACITY</b>								
Total BTU/h	24,000	24,000	29,000	29,000	33,600	41,000	47,000	58,000
Sensible BTU/h	18,200	18,200	22,000	22,000	25,200	30,000	35,800	44,000
SEER / EER	16.0/ 12.5	16.0/ 12.5	15.5/ 12.0	15.5/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0
Decibels	76	76	76	76	76	78	78	78
AHRI #s	8143325	10061989	8143326	10061990	8143327	8143328	8143329	205726745
<b>HEATING CAPACITY</b>								
BTU/h (47°F)	22,800	22,800	28,400	28,400	33,600	38,000	45,500	58,000
C.O.P (47°F)	3.6	3.6	3.5	3.5	3.6	3.6	3.7	3.7
BTU/h (17°F)	12,500	12,500	16,600	16,200	21,500	21,500	27,000	33,000
C.O.P (17°F)	2.3	2.3	2.4	2.4	2.4	2.3	2.4	2.4
HSPF	8.0	8.2	8.0	8.2	8.2	8.2	8.2	8.2
<b>EVAPORATOR MOTOR</b>								
Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10" x 9"	10" x 9"	10" x 9"	10" x 9"	10" x 9"	10" x 9"	10" x 9"	12" x 11"
Nominal Cooling CFM	850	850	1,050	1,050	1,200	1,300	1,600	18,000
FLA	4.3	4.3	4.3	4.3	4.3	6.8	6.8	6.9
No. of Speeds	Variable	Variable	Variable	Variable	Variable	Variable	Variable	2
Horsepower - RPM	½ -1,050	½ -1,050	½ -1,050	½ -1,050	½ -1,050	¾ - 1,050	¾ - 1,050	1 - 1,050
<b>EVAPORATOR COIL</b>								
Face Area (ft <sup>2</sup> )	4.5	4.5	4.5	4.5	4.5	6.2	6.2	8.9
Rows Deep/ Fin per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 16
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	137	137	137	137	137	170	170	225
<b>CONDENSER FAN / COIL</b>								
Horsepower - RPM	¼ - 850	¼ - 850	¼ - 850	¼ - 850	¼ - 850	¼ - 1,075	¼ - 1,075	½ - 1,150
FLA/LRA	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.3/ 3.0	1.4 / 2.9	1.4 / 2.9	3.5/ 4.4
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Face Area (ft <sup>2</sup> )	15.5	15.5	15.5	15.5	15.5	19.4	19.4	16
Rows Deep/ Fin per Inch	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 20
<b>COMPRESSOR</b>								
Quantity	1	1	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Two	Two	Two	Two	Two	Two	Two	Two
<b>ELECTRICAL DATA</b>								
Voltage/ Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Compressor RLA/ LRA	11.7 / 58.3	11.7 / 58.3	13.1 / 73	13.1 / 73	15.6 / 83	17.9 / 96	21.2 / 104	26.9 / 139.9
Indoor Blower FLA	4.3	4.3	4.3	4.3	4.3	6.8	6.8	7
Total Unit Amps	17.5	17.5	18.9	18.9	21.2	26.1	29.4	35.9
Min. Circuit Ampacity <sup>1</sup>	20.4	20.4	22.2	22.2	25.1	30.6	34.7	44
Max. Overcurrent Protection <sup>2</sup>	30	30	35	35	40	45	50	70
<b>SHIPPING WEIGHT (LBS)</b>								
	376	376	385	385	438	492	490	688
<b>ENERGY STAR® CERTIFIED</b>								
	NO	NO	NO	NO				

<sup>1</sup> Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

<sup>2</sup> May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed. OTHPPKPG<sup>†</sup> stands for outdoor thermostat heat-pump package













IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																															
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<b>80</b>	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61	2.3	2.2	1.9	1.5	2.3	2.2	1.9	1.5	2.2	2.2	1.9	1.5	2.2	2.2	1.9	1.5	2.90	2.97	3.07	3.17	3.01	3.07	3.18	3.29	10.2	10.5	10.7	11.1	10.9	11.2	11.5	11.9	11.8	12.0	12.4	12.8	12.5	12.7	13.1	13.6	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	474	442	476	503	524	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	162	138	146	160	170	142	151	165	176	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	<b>35.0</b>	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	0.89	0.83	0.68	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.72	0.54	0.98	0.92	<b>0.75</b>	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	2.4	2.3	2.0	1.6	2.4	2.3	2.0	1.6	2.4	2.3	2.0	1.6	2.4	2.3	<b>2.0</b>	1.6	2.88	2.94	3.04	3.15	2.98	3.05	3.15	3.26	10.2	10.4	10.7	11.0	10.9	11.1	11.4	11.8	11.7	11.9	12.3	12.7	12.4	12.6	<b>13.0</b>	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.5	15.0	242	261	275	287	272	293	309	322	309	333	352	367	352	379	<b>400</b>	418	396	427	450	470	438	471	498	519	113	120	131	139	119	127	138	147	124	132	144	153	130	138	<b>151</b>	161	136	145	158	169	141	150	164	174	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	2.4	2.3	2.0	1.6	2.5	2.3	2.0	1.6	2.5	2.4	2.0	1.6	2.5	2.4	<b>2.1</b>	1.6	2.83	2.89	2.99	3.09	2.93	3.00	3.10	3.20	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.5	11.7	12.1	12.5	12.2	12.4	<b>12.8</b>	13.2	12.9	13.1	13.5	14.0	13.5	13.8	14.2	14.7	238	256	270	282	267	287	303	316	303	326	344	359	345	372	<b>392</b>	409	388	418	441	460	429	462	488	509	111	118	128	137	117	124	136	144	121	129	141	150	127	136	<b>148</b>	158	134	142	155	165	138	147	160	171

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																															
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<b>85</b>	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79	2.4	2.4	2.2	1.9	2.4	2.4	2.3	2.0	2.3	2.4	2.3	2.0	2.3	2.3	<b>2.3</b>	2.0	2.2	2.2	2.3	19	20	21	21	18	10.3	10.5	10.8	11.2	11.0	11.3	11.6	12.0	11.9	12.1	12.5	12.9	12.6	12.8	<b>13.2</b>	13.7	13.3	13.6	14.0	14.5	14.0	14.3	14.7	15.2	247	266	281	293	277	299	315	329	316	340	359	374	359	387	<b>408</b>	426	404	435	459	479	447	481	508	529	115	122	134	142	122	129	141	150	126	134	147	156	133	141	<b>154</b>	164	139	148	161	172	144	153	167	178	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	<b>34.8</b>	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.93	0.76	2.5	2.5	2.3	2.0	2.5	2.5	2.4	2.0	2.5	2.5	2.4	2.0	2.5	2.5	<b>2.4</b>	2.1	2.4	2.4	2.3	2.0	2.2	2.2	2.2	19	10.2	10.5	10.7	11.1	10.9	11.2	11.5	11.9	11.8	12.0	12.4	12.8	12.5	12.7	<b>13.1</b>	13.6	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	245	263	278	290	275	296	312	326	312	336	355	370	356	383	<b>404</b>	422	400	431	455	474	442	476	503	524	114	121	132	141	120	128	140	149	125	133	145	155	131	140	<b>153</b>	162	138	146	160	170	142	151	165	176	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	<b>33.1</b>	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73	2.6	2.5	2.4	2.1	2.6	2.6	2.4	2.1	2.6	2.6	2.4	2.1	2.6	2.6	<b>2.5</b>	2.1	2.6	2.6	2.4	2.1	2.4	2.4	2.3	20	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.6	11.8	12.2	12.6	12.3	12.5	<b>12.9</b>	13.3	13.0	13.2	13.6	14.1	13.6	13.9	14.4	14.9	240	258	273	284	269	290	306	319	306	329	348	363	349	375	<b>396</b>	413	392	422	446	465	433	466	493	514	112	119	130	138	118	125	137	146	123	130	142	152	129	137	<b>150</b>	159	135	144	157	167	140	148	162	173

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Design Subcooling 8 ± 2 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 15 ± 2 °F @ the compressor suction access fitting connection.  
 Shaded area reflects AHR1 conditions.  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)













**DP16HM2441**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	28.7	27.1	25.5	23.9	22.8	22.1	20.5	18.9	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
T/R	31.2	29.6	27.8	26.0	24.8	24.1	22.4	20.6	17.0	15.7	14.4	13.6	13.1	11.8	10.4	9.1	7.8	6.4
kW	1.96	1.92	1.88	1.84	1.82	1.80	1.76	1.72	1.68	1.64	1.60	1.58	1.56	1.52	1.49	1.45	1.41	1.37
Amps	10.0	9.4	8.8	8.4	8.1	8.0	7.6	7.3	7.0	6.7	6.5	6.3	6.3	6.0	5.7	5.4	5.1	4.7
COP	4.28	4.14	3.98	3.80	3.67	3.59	3.41	3.21	2.71	2.57	2.42	2.32	2.25	2.07	1.89	1.69	1.48	1.25
HI PR	397	381	366	350	342	336	323	310	297	283	272	265	261	251	241	231	223	215
LO PR	142	132	123	113	107	103	95	84	76	68	60	55	53	45	39	33	29	23

**DP16HM3041**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	35.7	33.8	31.8	29.7	28.4	27.5	25.6	23.6	20.7	19.1	17.6	16.6	16.0	14.3	12.7	11.1	9.5	7.8
T/R	31.5	29.8	28.0	26.2	25.0	24.3	22.5	20.8	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	2.56	2.51	2.45	2.40	2.37	2.35	2.30	2.25	2.25	2.20	2.15	2.12	2.09	2.04	1.99	1.94	1.88	1.83
Amps	12.9	12.0	11.3	10.7	10.4	10.2	9.7	9.2	8.9	8.5	8.2	8.0	7.9	7.6	7.2	6.8	6.4	5.9
COP	4.08	3.95	3.79	3.62	3.50	3.43	3.25	3.07	2.69	2.54	2.40	2.30	2.23	2.06	1.87	1.68	1.47	1.24
HI PR	416	399	383	366	358	351	337	324	310	296	284	278	273	262	252	242	233	225
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

**DP16HM3641**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.1	39.9	37.5	35.1	33.5	32.5	30.2	27.8	24.2	22.4	20.6	19.4	18.7	16.8	14.9	13.0	11.1	9.1
T/R	32.5	30.8	29.0	27.1	25.8	25.0	23.3	21.5	18.7	17.2	15.9	15.0	14.4	13.0	11.5	10.0	8.5	7.0
kW	2.85	2.79	2.73	2.67	2.64	2.62	2.56	2.50	2.48	2.42	2.37	2.33	2.31	2.25	2.19	2.14	2.08	2.02
Amps	14.5	13.6	12.8	12.1	11.7	11.5	11.0	10.5	10.1	9.7	9.3	9.1	9.0	8.7	8.2	7.8	7.3	6.7
COP	4.33	4.18	4.02	3.84	3.71	3.63	3.45	3.25	2.85	2.70	2.54	2.44	2.37	2.18	1.99	1.78	1.56	1.31
HI PR	399	383	368	352	344	337	324	311	298	285	273	267	262	252	242	232	224	216
LO PR	134	124	116	107	101	97	89	79	72	64	56	52	50	43	37	31	27	21

**Notes**

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

Low pressure is measured at the compressor suction access fitting.

kW = Total system power



**DP16HM4241**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	47.8	45.2	42.6	39.8	38.0	36.8	34.2	31.5	26.8	24.7	22.8	21.5	20.7	18.6	16.5	14.4	12.3	10.0
T/R	34.0	32.2	30.3	28.3	27.1	26.2	24.4	22.5	19.1	17.6	16.2	15.3	14.7	13.2	11.7	10.2	8.7	7.2
kW	3.53	3.46	3.38	3.31	3.27	3.24	3.17	3.10	2.94	2.87	2.80	2.76	2.73	2.66	2.59	2.53	2.46	2.39
Amps	17.8	16.6	15.6	14.8	14.3	14.0	13.3	12.7	12.2	11.7	11.2	11.0	10.9	10.4	9.8	9.3	8.7	8.0
COP	3.96	3.83	3.68	3.51	3.40	3.33	3.16	2.98	2.67	2.52	2.38	2.28	2.22	2.04	1.86	1.66	1.46	1.23
HI PR	417	399	384	367	359	352	338	324	311	297	285	278	273	263	253	242	234	226
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

**DP16HM4841**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.2	54.1	51.0	47.6	45.5	44.1	41.0	37.8	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
T/R	33.1	31.3	29.5	27.6	26.3	25.5	23.7	21.9	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.94	3.86	3.78	3.71	3.66	3.63	3.55	3.47	3.36	3.28	3.21	3.16	3.13	3.05	2.98	2.90	2.82	2.75
Amps	20.8	19.4	18.2	17.2	16.6	16.3	15.5	14.8	14.2	13.6	13.0	12.7	12.6	12.0	11.3	10.7	10.0	9.1
COP	4.25	4.10	3.94	3.76	3.64	3.56	3.37	3.18	2.93	2.77	2.61	2.50	2.43	2.24	2.03	1.82	1.59	1.34
HI PR	404	387	372	356	348	341	328	315	301	288	276	270	265	255	245	235	227	219
LO PR	133	124	116	106	100	97	89	79	71	64	56	52	50	42	37	31	27	21

**DP16HM6041**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	69.7	66.0	62.1	58.1	55.5	53.7	49.9	46.0	37.7	34.8	32.1	30.3	29.2	26.2	23.2	20.2	17.3	14.1
T/R	32.1	30.4	28.6	26.7	25.5	24.7	23.0	21.2	17.4	16.0	14.8	13.9	13.4	12.0	10.7	9.3	7.9	6.5
kW	4.47	4.38	4.30	4.21	4.16	4.13	4.04	3.96	3.93	3.84	3.76	3.70	3.67	3.58	3.50	3.41	3.32	3.24
Amps	23.8	22.1	20.9	19.7	19.1	18.8	17.8	17.0	16.3	15.7	15.1	14.7	14.6	13.9	13.1	12.5	11.7	10.7
COP	4.56	4.41	4.23	4.03	3.90	3.81	3.61	3.40	2.81	2.65	2.50	2.39	2.33	2.14	1.94	1.74	1.52	1.28
HI PR	295	283	272	260	254	249	239	230	220	210	202	197	193	186	179	171	165	160
LO PR	132.5	122.9	115.2	105.6	99.9	96.1	88.4	78.7	71.0	63.4	55.7	51.8	49.9	42.2	36.4	30.8	26.9	21.1

**Notes**

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

Low pressure is measured at the compressor suction access fitting.

kW = Total system power

AUXILIARY HEATING DATA

DP16HM2441						
Conditions: 850 CFM; Indoor Air @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT w/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	28.66	4.28	45.04	61.42	---	---
60	27.13	4.14	43.51	59.90	---	---
55	25.54	3.97	41.92	58.30	---	---
50	23.87	3.79	40.25	56.64	---	---
45	22.09	3.58	38.48	54.86	---	---
40	20.52	3.40	36.90	53.28	---	---
35	18.92	3.21	35.31	51.69	---	---
30	15.58	2.72	31.96	48.34	---	---
25	14.38	2.57	30.76	47.14	---	---
20	13.24	2.42	29.62	46.00	---	---
15	12.04	2.25	28.42	44.80	---	---
10	10.80	2.07	27.18	43.56	---	---
5	9.58	1.88	25.96	42.34	---	---
0	8.35	1.68	24.73	41.11	---	---
-5	7.13	1.48	23.51	39.89	---	---
-10	5.84	1.24	22.22	38.60	---	---

\* BTU/h

DP16HM3041						
Conditions: 1050 CFM; Indoor Air @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT w/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	35.70	4.09	52.08	68.46	84.85	---
60	33.80	3.95	50.18	66.56	82.94	---
55	31.81	3.80	48.19	64.57	80.96	---
50	29.73	3.63	46.12	62.50	78.88	---
45	27.52	3.43	43.90	60.28	76.67	---
40	25.56	3.26	41.94	58.32	74.71	---
35	23.57	3.07	39.95	56.34	72.72	---
30	20.68	2.68	37.07	53.45	69.83	---
25	19.09	2.53	35.47	51.85	68.24	---
20	17.58	2.39	33.96	50.34	66.73	---
15	15.99	2.23	32.37	48.75	65.13	---
10	14.34	2.05	30.72	47.11	63.49	---
5	12.72	1.87	29.10	45.48	61.86	---
0	11.09	1.67	27.47	43.85	60.24	---
-5	9.46	1.47	25.84	42.23	58.61	---
-10	7.75	1.24	24.13	40.52	56.90	---

\* BTU/h

DP16HM3641						
Conditions: 1200 CFM; Indoor Air @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT w/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	42.11	4.33	58.49	74.87	91.26	---
60	39.87	4.18	56.25	72.63	89.01	---
55	37.52	4.02	53.90	70.28	86.67	---
50	35.07	3.84	51.46	67.84	84.22	---
45	32.46	3.63	48.84	65.23	81.61	---
40	30.15	3.45	46.53	62.91	79.30	---
35	27.81	3.25	44.19	60.57	76.95	---
30	24.22	2.86	40.60	56.99	73.37	---
25	22.36	2.70	38.74	55.12	71.50	---
20	20.59	2.55	36.97	53.35	69.73	---
15	18.72	2.37	35.10	51.49	67.87	---
10	16.80	2.19	33.18	49.56	65.94	---
5	14.89	1.99	31.27	47.66	64.04	---
0	12.99	1.78	29.37	45.75	62.13	---
-5	11.08	1.56	27.46	43.85	60.23	---
-10	9.08	1.32	25.46	41.84	58.23	---

\* BTU/h

DP16HM4241						
Conditions: 1300 CFM; Indoor Air @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT w/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	47.77	3.99	64.15	80.53	96.91	---
60	45.22	3.85	61.60	77.98	94.37	---
55	42.56	3.69	58.94	75.32	91.71	---
50	39.79	3.52	56.17	72.55	88.93	---
45	36.82	3.32	53.20	69.59	85.97	---
40	34.20	3.15	50.58	66.96	83.35	---
35	31.54	2.96	47.92	64.30	80.69	---
30	26.91	2.70	43.30	59.68	76.06	---
25	24.84	2.55	41.22	57.60	73.99	---
20	22.87	2.39	39.26	55.64	72.02	---
15	20.80	2.22	37.18	53.57	69.95	---
10	18.66	2.04	35.04	51.43	67.81	---
5	16.55	1.85	32.93	49.31	65.69	---
0	14.43	1.65	30.81	47.19	63.58	---
-5	12.31	1.44	28.69	45.08	61.46	---
-10	10.09	1.21	26.47	42.85	59.23	---

\* BTU/h

DP16HM4841						
Conditions: 1600 CFM; Indoor Air @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	57.19	4.25	73.58	89.96	106.34	122.72
60	54.15	4.10	70.53	86.91	103.29	119.67
55	50.96	3.94	67.34	83.72	100.11	116.49
50	47.64	3.76	64.02	80.40	96.79	113.17
45	44.09	3.56	60.47	76.85	93.24	109.62
40	40.95	3.37	57.33	73.71	90.10	106.48
35	37.77	3.18	54.15	70.53	86.91	103.29
30	33.64	2.93	50.02	66.41	82.79	99.17
25	31.05	2.77	47.43	63.81	80.20	96.58
20	28.59	2.61	44.98	61.36	77.74	94.12
15	26.00	2.43	42.38	58.77	75.15	91.53
10	23.33	2.24	39.71	56.09	72.48	88.86
5	20.68	2.03	37.06	53.45	69.83	86.21
0	18.04	1.82	34.42	50.80	67.18	83.57
-5	15.39	1.60	31.77	48.15	64.54	80.92
-10	12.61	1.34	28.99	45.37	61.76	78.14

\* BTU/h

**NOTES**

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 ( example 39.01 x 1000 = 39,010 BTU'S)

DP16HM6041					
Condition : 1850 CMF; Indoor Air @ 70 °F DB					
OUTDOOR AMBIENT °F.	BASIC UNIT W/OUT AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT		
	CAPACITY*	COP	10	15	20
65	69.70	4.56	103.82	120.88	137.94
60	66	4.41	100.12	117.18	134.24
55	62.10	4.23	96.22	113.28	130.34
50	58.10	4.03	92.22	109.28	126.34
45	53.70	3.81	87.82	104.88	121.94
40	49.90	3.61	84.02	101.08	118.14
35	46	3.40	80.12	97.18	114.24
30	37.70	2.81	71.82	88.88	105.94
25	34.80	2.65	68.92	85.98	103.04
20	32.10	2.50	66.22	83.28	100.34
15	29.20	2.33	63.32	80.38	97.44
10	26.20	2.14	60.32	77.38	94.44
5	23.20	1.94	57.32	74.38	91.44
0	20.20	1.74	54.32	71.38	88.44
-5	17.30	1.52	51.42	68.48	85.54
-10	14.10	1.28	48.22	65.28	82.34

\* BTU/h

**HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)**

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		ACTUAL kW / BTU@ 240V
	MCA <sup>1</sup>	MOD <sup>2</sup>	MCA <sup>1</sup>	MOD <sup>2</sup>	
<b>DP16HM2441**</b>	4.3	--	--	--	--
HKP-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
<b>DP16HM3041**</b>	4.3	--	--	--	--
HKP-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>DP16HM3641**</b>	4.3	--	--	--	--
HKP-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>DP16HM4241**</b>	5.8	--	--	--	--
HKP-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	--	--	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>DP16HM4841* *</b>	5.8	--	--	--	--
HKP-05C*	25 / 28	30 / 30	----	----	4.75 / 16,200
HKR08A,CA	34 / 40	40 / 40	----	----	7.00 / 23,800
HKP-10C*	46 / 53	60 / 60	----	----	9.50 / 32,400
HKP-15C*	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKP-20C*	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500

<sup>1</sup> Minimum Circuit Ampacity @ 240 V

<sup>2</sup> Maximum Overcurrent Protection device @ 240 V

\* Revision level that may or may not be designated

C Circuit Breaker option

MODEL AND HEAT KIT USAGE	MCA <sup>1</sup> @ 208 / 240V	MOP <sup>1</sup> (AMPS) @ 208 / 240V	ACTUAL kW & BTU AT 240V	RECOMMENDED AIRFLOW RANGE
<b>DP16HM6041A *</b>	---	---	---	---
EHK1-10	53 / 62	60 / 70	10 / 34,000	1750-2250 CFM
EHK1-15	76 / 88	80 / 90	15 / 51,000	1750-2250 CFM
EHK1-20	99 / 114	100 / 120	20 / 68,200	1850-2250 CFM
<b>DP16HM6041B*</b>	---	---	---	---
EHXD-1S05	66.6 / 70.1	70 / 80	5 / 17,000	1625-2500 CFM
EHXD-1S10	89.2 / 96.1	90 / 100	10 / 34,000	1625-2500 CFM
EHXD-1S15	112 / 122	125 / 125	15 / 51,000	1625-2500 CFM
EHXD-1S20	134 / 148	150 / 150	20 / 68,200	1625-2500 CFM

<sup>1</sup> Minimum Circuit Ampacity

**KW CORRECTION FACTOR**

KW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.93	0.82	0.78	0.76

Multiply rated kW by correction factor to get actual kW

DP16HM2441**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	630	D	Minus	630
	Normal	700		Normal	700
	Plus	770		Plus	770
C	Minus	743	C	Minus	743
	Normal	825		Normal	825
	Plus	908		Plus	908
B	Minus	855	B	Minus	855
	Normal	950		Normal	950
	Plus	1,045		Plus	1,045
A	Minus	945	A	Minus	945
	Normal	1,050		Normal	1,050
	Plus	1,155		Plus	1,155

\* @ 0.1 - 0.5 ESP  
Factory default is "B" minus

DP16HM3041**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

\* @ 0.1 - 0.8 ESP  
Factory default is "C" normal

DP16HM3641**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

\* @ 0.1 - 0.8 ESP  
Factory default is "B" plus

DP16HM4241**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

\* @ 0.1 - 0.8 ESP  
Factory default is "A" normal

DP16HM4841**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

\* @ 0.1 - 0.8 ESP  
Factory default is "A" minus

DP16HM6041A*					
COOLING/HP SPEED	ADJUST TAP	CFM	ELECTRIC HEAT	ADJUST TAP	CFM
A	Minus	1800	A	Minus	1800
	Normal**	2000		Normal**	2000
	Plus	2200		Plus	2200
B	Minus	1665	B	Minus	1665
	Normal	1850		Normal	1850
	Plus	2035		Plus	2035
C	Minus	1440	C	Minus	1440
	Normal	1600		Normal	1600
	Plus	1760		Plus	1760
D	Minus	1215	D	Minus	1215
	Normal	1350		Normal	1350
	Plus	1485		Plus	1485

\*@0.1-0.8 ESP  
\*\* indicated factory setting

**5 TON**  
**MODELS: DP16HM60\*\*\*41B\***

DOWN FLOW						
SPEED TAP	TORQUE %	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP
T1	25	20	0.2	1299	614	0.16
			0.4	1209	674	0.17
			0.6	1082	755	0.19
			0.8	933	836	0.21
T2	39	31.2	0.2	1967	862	0.62
			0.4	1896	951	0.69
			0.6	1849	1022	0.74
			0.8	1786	948	0.69
T3	68	54.4	0.2	2096	871	0.71
			0.4	2024	916	0.75
			0.6	1972	948	0.78
			0.8	1921	982	0.80
T4	76	60.8	0.2	2189	90	0.81
			0.4	2119	943	0.84
			0.6	2059	979	0.88
			0.8	2012	1009	0.90
T5	100	80	0.2	2254	923	0.88
			0.4	2178	964	0.92
			0.6	2127	997	0.95
			0.8	2078	1029	0.98

HORIZONTAL FLOW						
SPEED TAP	TORQUE %	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP
T1	25	20	0.2	1326	653	0.22
			0.4	1234	717	0.24
			0.6	1104	803	0.27
			0.8	952	890	0.30
T2	39	31.2	0.2	2007	885	0.64
			0.4	1935	931	0.67
			0.6	1887	969	0.70
			0.8	1822	1009	0.73
T3	68	54.4	0.2	2139	927	0.76
			0.4	2065	974	0.80
			0.6	2012	1009	0.83
			0.8	1960	1045	0.86
T4	76	60.8	0.2	2234	960	0.86
			0.4	2162	1003	0.90
			0.6	2101	1042	0.93
			0.8	2053	1073	0.96
T5	100	80	0.2	2300	982	0.93
			0.4	2222	1025	0.98
			0.6	2170	1061	1.01
			0.8	2120	1095	1.04

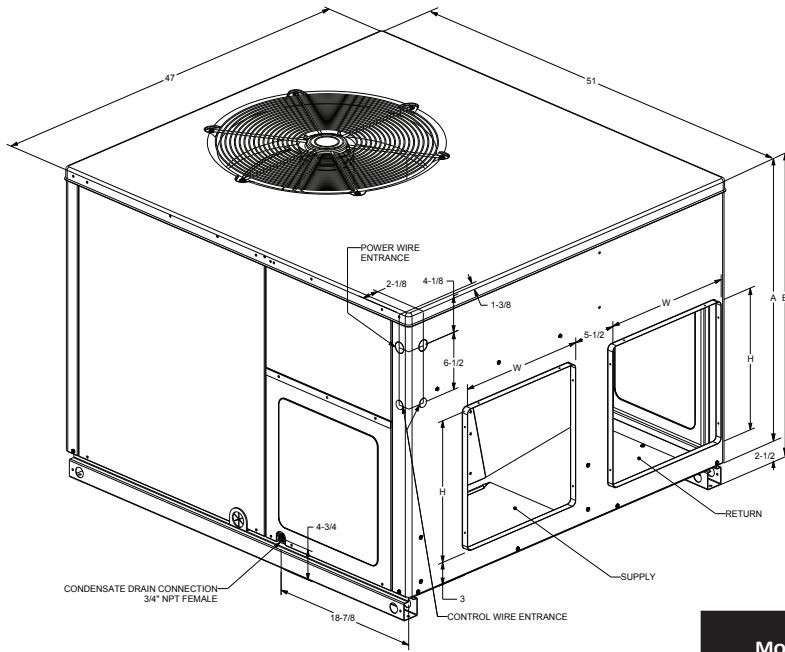
Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

MODEL	SWITCH 1	SWITCH 2	ELECTRIC HEAT CFM	SPEED TAP
DP16HM24	Off	Off	1,050	A
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
DP16HM30	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
DP16HM36	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
DP16HM42	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
DP16HM48	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
DP16HM60	Off	Off	2,000	A
	On	Off	1,850	B
	Off	On	1,600	C
	On	On	1,350	D

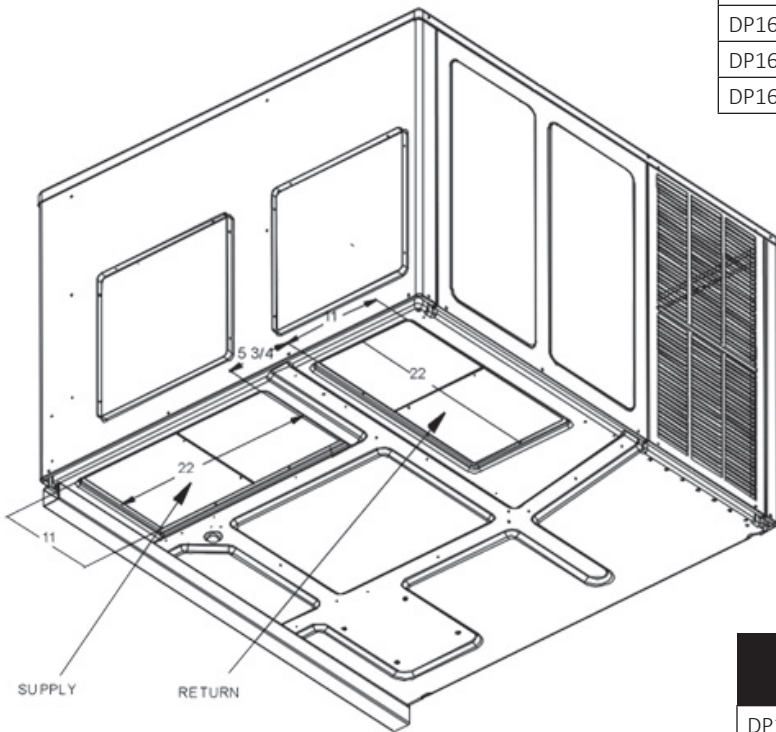
MODEL	SWITCH 5	SWITCH 6	COOLING/HP CFM	SPEED TAP
DP16HM24	Off	Off	1,050	A
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
DP16HM30	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
DP16HM36	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
DP16HM42	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
DP16HM48	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
DP16HM60	Off	Off	2,000	A
	On	Off	1,850	B
	Off	On	1,600	C
	On	On	1,350	D

**NOTES**

- **Important:** Disconnect power to unit before moving jumper to prevent damage to TAP board.
- All models are two-stage: low-stage cool will be 70% of high-stage cool.

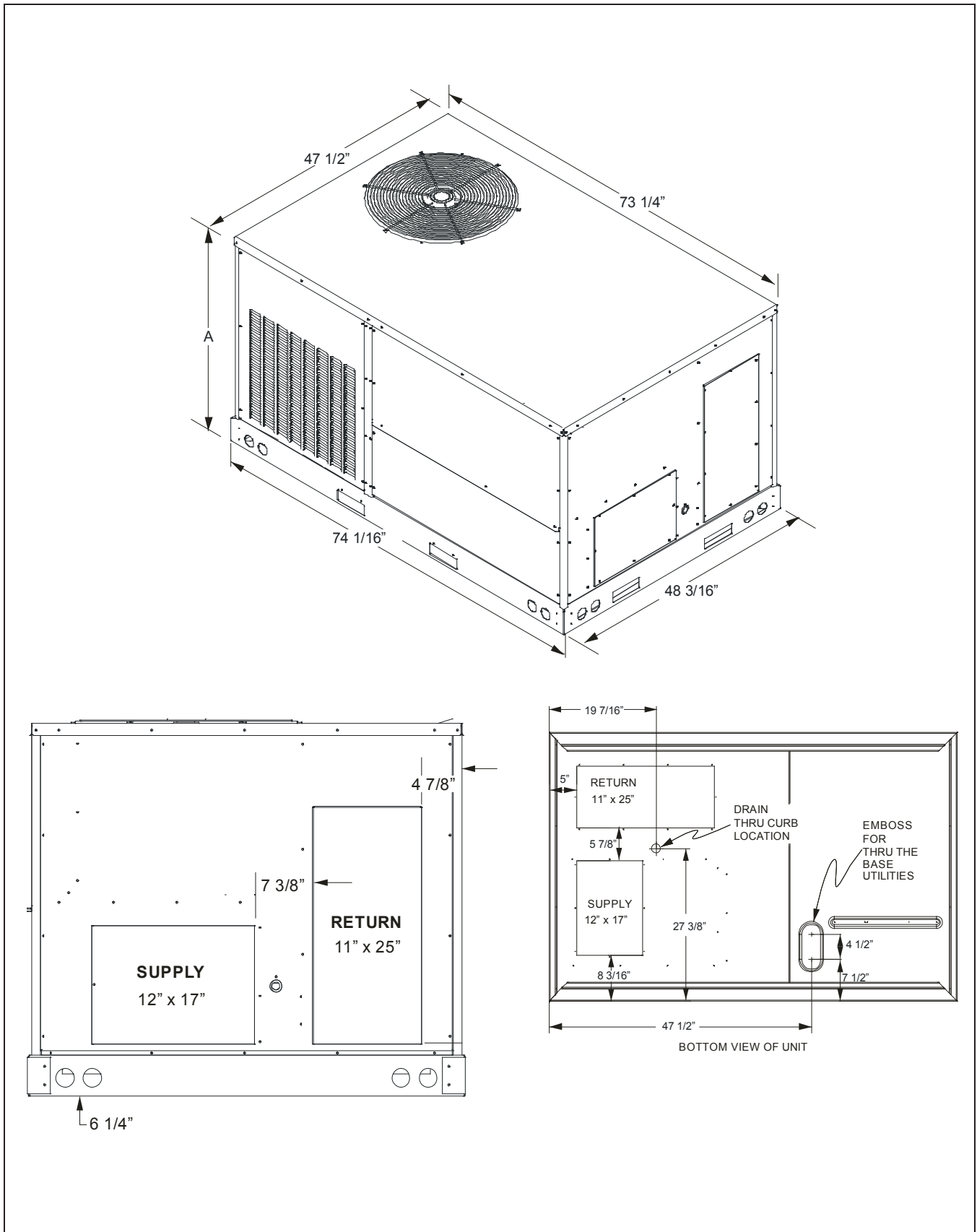


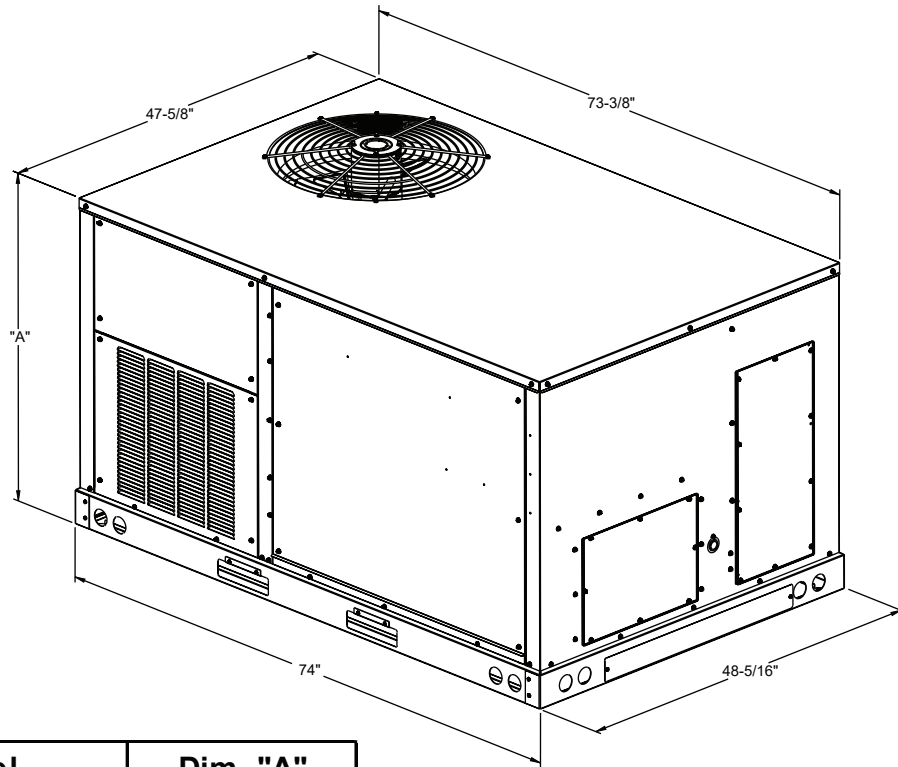
MODEL	UNIT DIMENSIONS (INCHES)				CHASSIS SIZE
	W	D	A	B	
DP16HM2441	47	51	32	34½	Medium
DP16HM3041	47	51	32	34½	Medium
DP16HM3641	47	51	32	34½	Medium
DP16HM4241	47	51	40	42½	Large
DP16HM4841	47	51	40	42½	Large



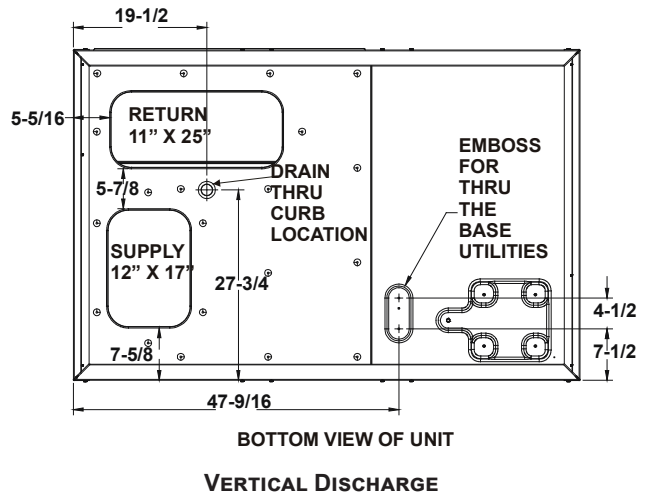
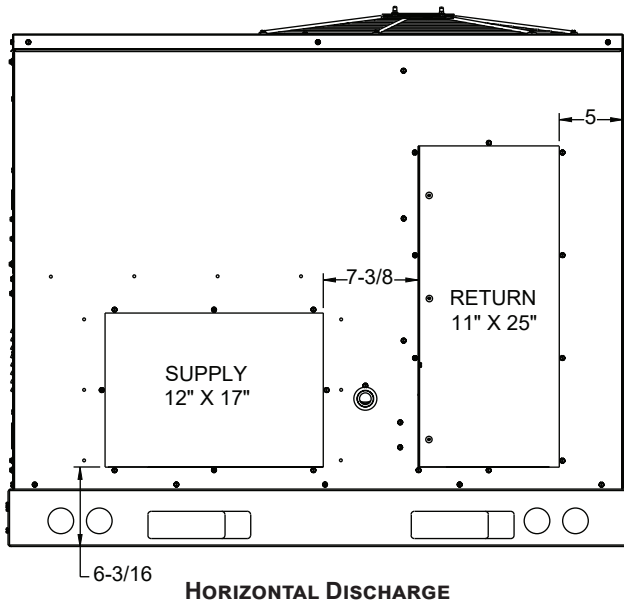
MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
DP16HM2441	16	16	16	16
DP16HM3041	16	18	16	18
DP16HM3641	16	18	16	18
DP16HM4241	16	18	16	18
DP16HM4841	16	18	16	18





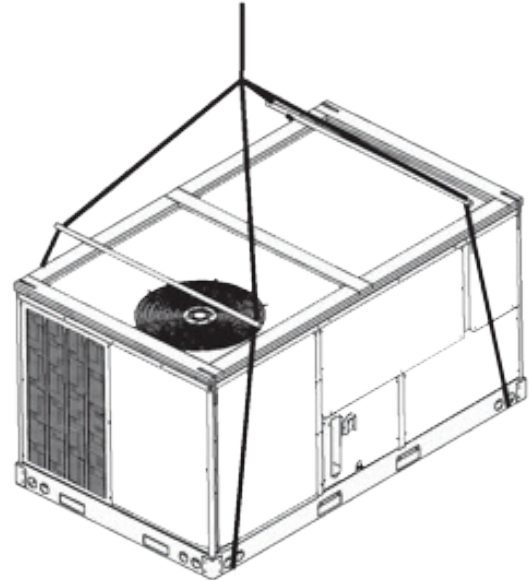


Model	Dim. "A"
5 Ton Heat Pump	43-1/2"



Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown below.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

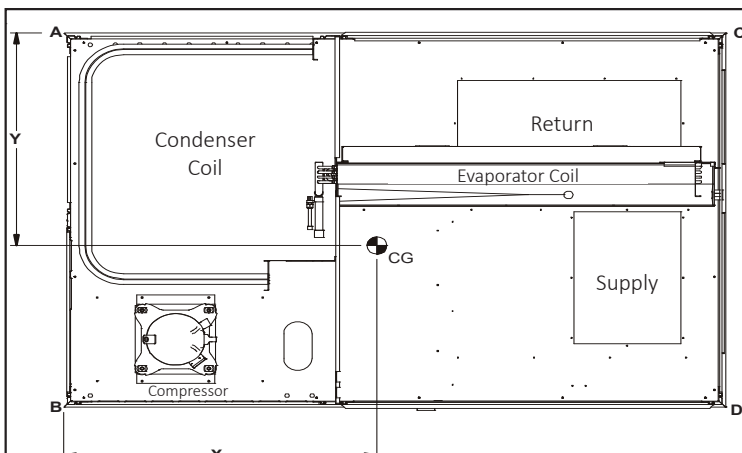
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

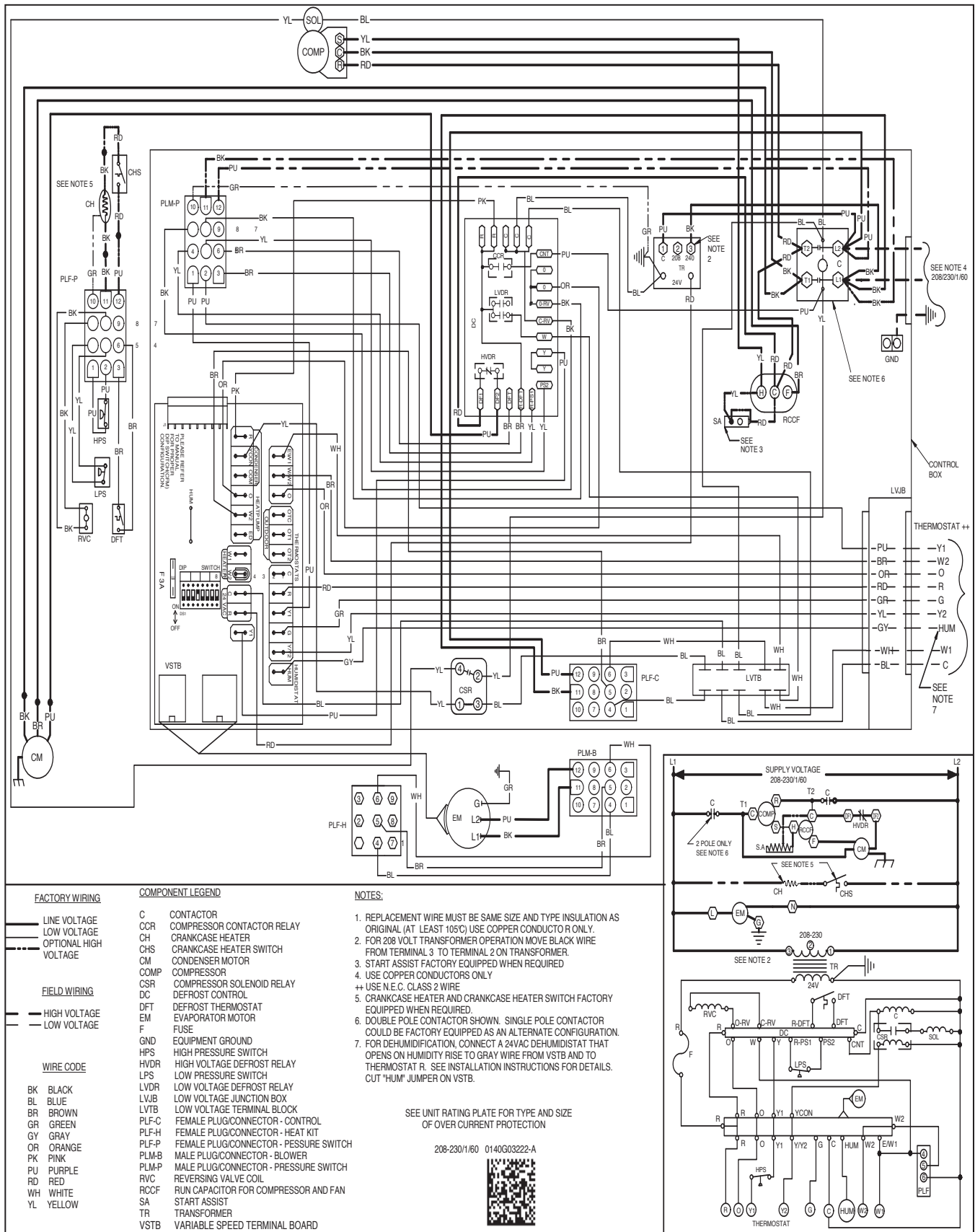
See the manual shipped with the roof curb for assembly and installation instructions.

**CORNER & CENTER-OF-GRAVITY LOCATIONS**



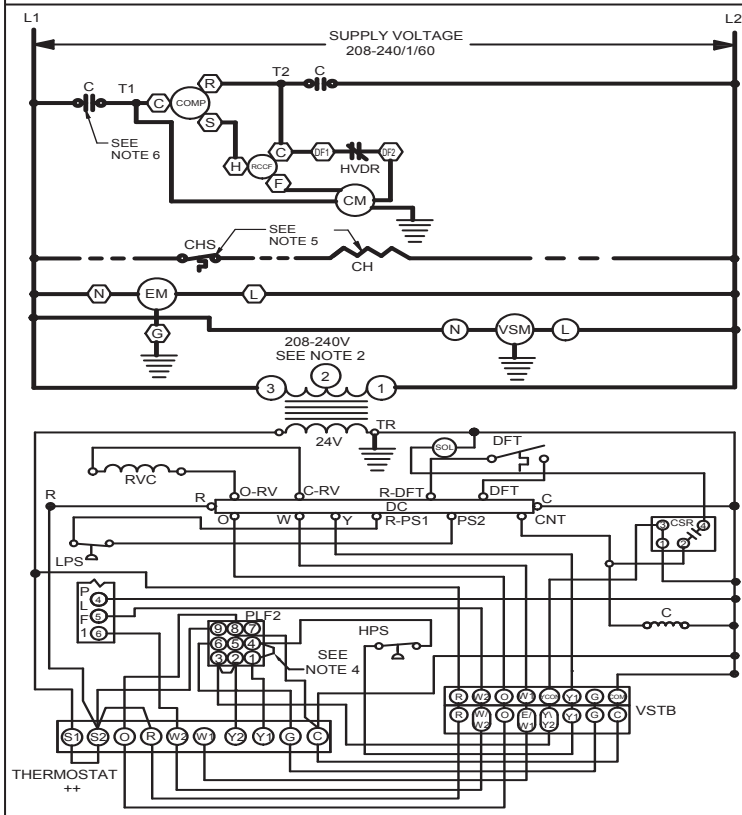
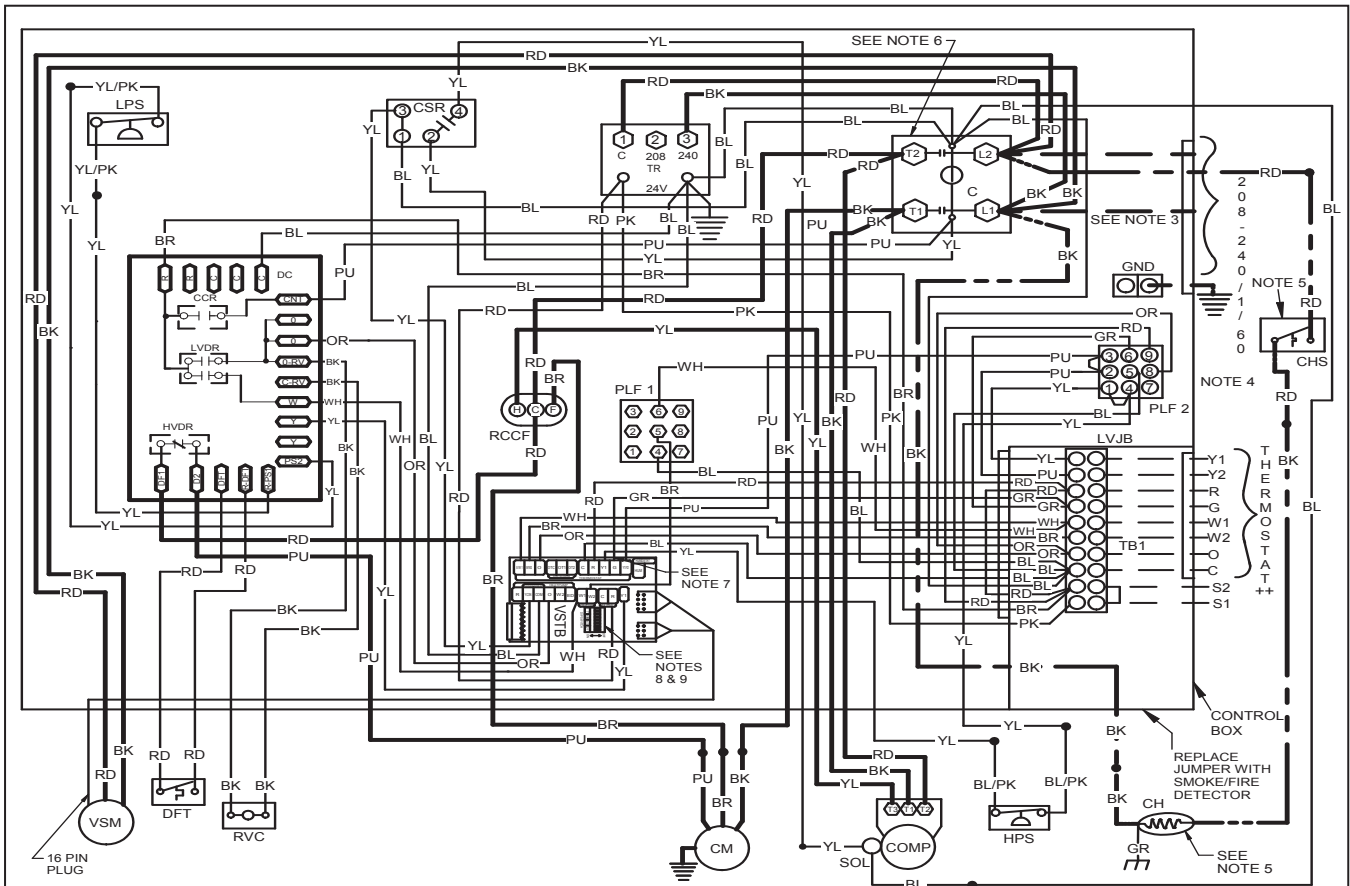
MODEL	X (IN)	Y (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)
DP16HM6041**	40	25.1	612	583

MODEL	CORNER WEIGHTS (LBS.)			
	A	B	C	D
DP16HM6041**	204	113	72	194



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

<p><b>WARNING</b></p>	<p><b>High Voltage:</b> Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.</p>	
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**COMPONENT LEGEND**

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR SOLINOID RELAY
DC	DEFROST CONTROL
CSR	COMPRESSOR SOLINOID RELAY
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
EM	EVAPORATOR MOTOR
GND	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SOL	H1 STAGE SOLINOID
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VSM	VARIABLE SPEED MOTOR
VSTB	VARIABLE SPEED TERMINAL BLOCK

**NOTES:**

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
- USE COPPER CONDUCTORS ONLY  
\*\* USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
- CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
- DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
- FOR DEHUMIDIFICATION CONNECT A 24 VAC DEHUMIDIFY RISE TO GRAY WIRE FROM THE VSTB AND TO R ON TB1. SEE INSTALLATION INSTRUCTIONS FOR DETAILS.
- SET DIP SWITCH 4 ON VSTB TO OFF POSITION.
- REFER TO IO FOR FAN SPEED SETTINGS.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

JUNCTION		EQUIPMENT GROUND	
TERMINAL		FIELD GROUND	
INTERNAL TO INTEGRATED CONTROL		FIELD SPICE	
PLUG CONNECTION		SWITCH (TEMP)	
SWITCH (PRESS.)		IGNITER	
OVERCURRENT PROT. DEVICE			

208-240/1/60 0140G04448-B

**FACTORY WIRING**

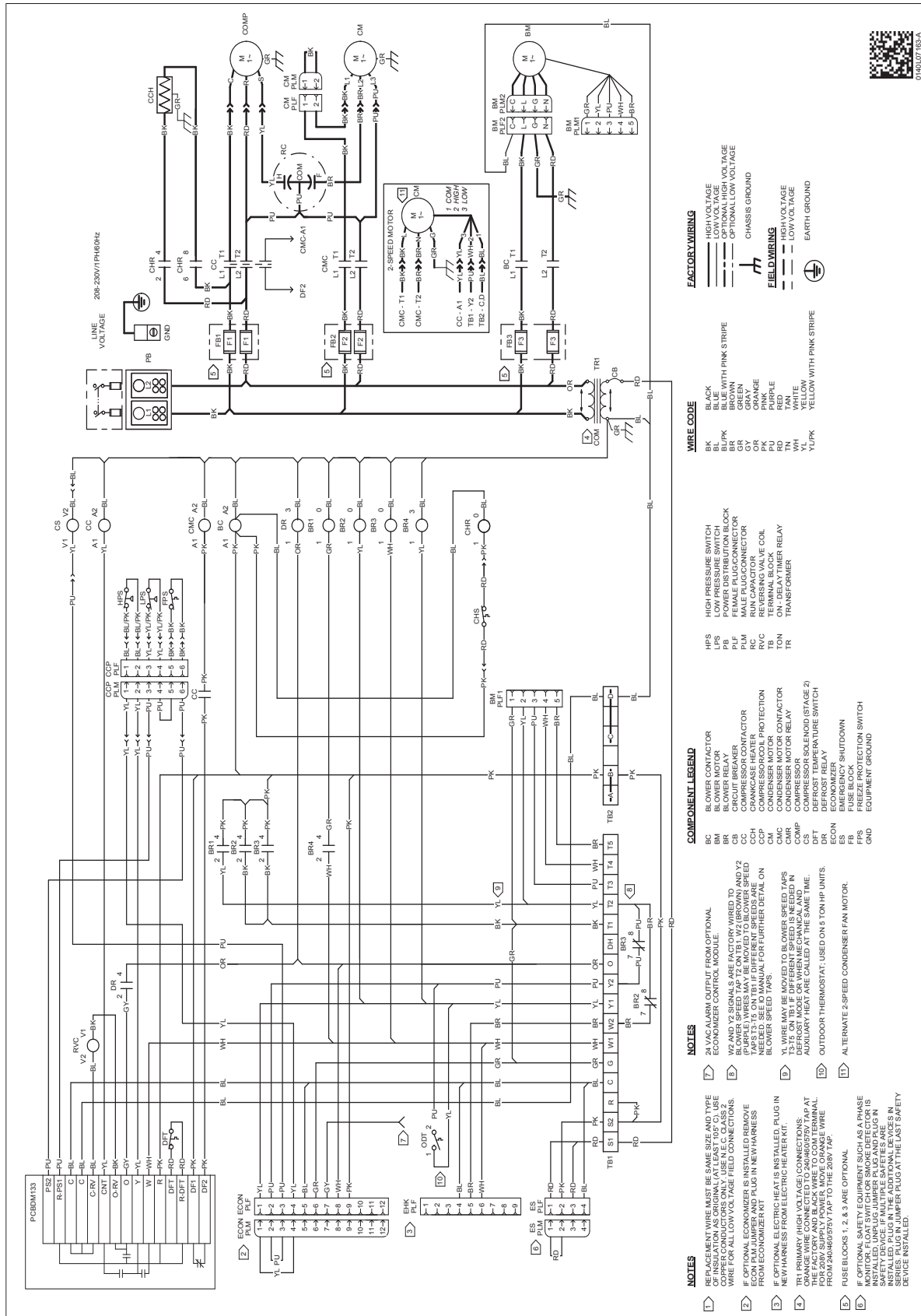
	LINE VOLTAGE
	LOW VOLTAGE
	OPTIONAL HIGH VOLTAGE
	OPTIONAL LOW VOLTAGE
	FIELD WIRING
	HIGH VOLTAGE
	LOW VOLTAGE

**WIRE CODE**

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
RD	RED
PU	PURPLE
YL	YELLOW
WH	WHITE
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

	<b>WARNING</b>	<b>High Voltage:</b> Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.	
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- WIRE CODE**
- BK BLACK
  - BL BLUE
  - BL/PK BLUE WITH PINK STRIPE
  - BR BROWN
  - CC GRAY
  - OR ORANGE
  - GR GREEN
  - PU PURPLE
  - RD RED
  - WH WHITE
  - YL/YLK YELLOW WITH PINK STRIPE
- FACTORY WIRING**
- HIGH VOLTAGE
  - OPTIONAL HIGH VOLTAGE
  - OPTIONAL LOW VOLTAGE
  - CHASSIS GROUND
- FIELD WIRING**
- HIGH VOLTAGE
  - LOW VOLTAGE
  - EARTH GROUND

- COMPONENT LEGEND**
- BC BLOWER CONTACTOR
  - BM BLOWER MOTOR
  - CB CIRCUIT BREAKER
  - CC COMPRESSOR CONTACTOR
  - CCP COMPRESSOR PROTECTION
  - CM COMPRESSOR MOTOR
  - CMC CONDENSER MOTOR CONTACTOR
  - CMC-1 CONDENSER MOTOR RELAY
  - COMP COMPRESSOR SOLENOID (STAGE 2)
  - CS DEFROST MODE DEPRESSURE SWITCH
  - DR DEFROST RELAY
  - ECON ECONOMIZER
  - ES EMERGENCY SHUTDOWN
  - FPS FREEZE PROTECTION SWITCH
  - GND EQUIPMENT GROUND
- NOTES**
- 1 REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE AS ORIGINAL. USE COPPER CONDUCTORS ONLY. USE V.E.C. GAUGE WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.
  - 2 IF OPTIONAL ECONOMIZER IS INSTALLED REMOVE FROM ECONOMIZER KIT. PLUG IN NEW HARNESS FROM ECONOMIZER KIT.
  - 3 NEW HARNESS FROM ELECTRIC HEATER KIT.
  - 4 ORANGE WIRE CONNECTED TO 240/460/575V TAP AT 208V SUPPLY POWER. MOVE ORANGE WIRE FROM 240/460/575V TAP TO THE 208V TAP.
  - 5 FUSE BLOCKS 1, 2 & 3 ARE OPTIONAL.
  - 6 IF OPTIONAL SAFETY EQUIPMENT SUCH AS A PHASE MONITOR, FLOW SWITCH OR SMOKE DETECTOR IS INSTALLED, THE SAFETY EQUIPMENT MUST BE SAFELY SERVICED. PLUG IN JUMPER PLUG AT THE LAST SAFETY DEVICE INSTALLED.
  - 7 24 VAC ALARM OUTPUT FROM OPTIONAL ECONOMIZER CONTROL MODULE.
  - 8 W2 AND Y2 SIGNALS ARE FACTORY WIRING TO (P/PURPLE) WIRES MAY BE MOVED TO BLOWER SPEED TAP. SEE TO MANUAL FOR FURTHER DETAIL ON BLOWER SPEED TAPS.
  - 9 YL WIRE MAY BE MOVED TO BLOWER SPEED TAPS IF W2 AND Y2 SIGNALS ARE NOT USED IN DEFROST MODE OR WHEN ECON IS INSTALLED IN COMP. AUXILIARY HEAT ARE CALLED AT THE SAME TIME.
  - 10 OUTDOOR THERMOSTAT USED ON 5 TON HP UNITS.
  - 11 ALTERNATE 2-SPEED CONDENSER FAN MOTOR.

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

**WARNING**

**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

⚡

**FOR DP16HM24-4841\*\* MODELS**

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	DDNECNJPCHMM	DDNECNJPCHML
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	DDN25FDPGCHMM	DDN25FDPGCHML
Downflow Motorized Damper	DDN25MFDPGCHMM	DDN25MFDPGCHML
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness	0259L00411	0259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501NGK	20464502NGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	DHZ25FDPGCHMM	DHZ25FDPGCHML
Horizontal Motorized Damper	DHZ25MFDPGCHMM	DHZ25MFDPGCHML
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Inline Fuse Kit	INFKPKG01	INFKPKG01
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA
Outdoor thermostat kit (Used only with DP16HM2441 and DP16HM3041 models)	OTHPKG-02	

**FOR DP16HM6041AA MODEL**

ITEM #	DESCRIPTION
14CURB3672	14" Roof Curb
D25FD3672	25% Manual Fresh Air Damper
D25MFD3672	25% Motorized Fresh Air Damper
CDK4872	Concentric Duct Kit
DBRD3672	Barometric Relief Damper
DDNECNJ3672B	Low-leak Downflow Economizer
DDNECNJ3672	Downflow Economizer
DDNECNJ3672NR	Downflow Economizer w/o Barometric Relief
DDNSQRD487218	Downflow Square-to-Round Adapter (18" Round)
DHZECNJ3672	Horizontal Economizer
FSK01A	Freeze Stat Kit
GHRC-1	Hurricane Restraint Clips
HAILGD04D	Hail Guard Kit
LAKT01	Low-Ambient Kit

**FOR DP16HM6041B\* MODEL**

ITEM #	DESCRIPTION
0221L00014	14" Roof Curb
0270L01166	25% Manual Fresh Air Damper
0270L01165	25% Motorized Fresh Air Damper
0270L01338	Concentric Duct Adapter Kit 18"
0270L01753	Downflow Low-Leak Economizer Enthalpy
0270L01755	Downflow Ultra Low-Leak Economizer Enthalpy
0270L01757	Horizontal Ultra Low-Leak Economizer Enthalpy
EHXD-1S (05, 10, 15, 20)	Electric Heat Kits
0270L01250	Hurricane Restraint Clips (for 0221L00014 Roof Curb)
0270L01261	Hurricane Restraint Clips

**SINGLE-POINT KIT ACCESSORY KITS**

Select the single-point kit accessory based on the unit model.

MODEL	SINGLE-POINT KIT
DP16HM2441**	SPK-30
DP16HM3041**	SPK-35
DP16HM3641**	SPK-40
DP16HM4241**	SPK-45
DP16HM4841**	SPK-50
DP16HM6041**	SPKT01/02

