

Ascend[™] Air-Cooled Chillers

Right balance of energy efficiency and quiet operation

There are many choices when it comes to a cooling solution for your buildings. But, there is only one chiller that delivers a well-balanced solution - efficient, reliable, and quiet operation while providing a sustainable performance.

Efficient operation

Trane ACS chillers are especially optimized for part load efficiencies, for those buildings with highly variable loads. ACS chillers meet ASHRAE 90.1 - 2016 for both full- and part-load efficiencies. You don't have to compromise full-load performance to gain better part-load operation. We deliver both.

Quiet performance

ACS chillers offer flexible acoustic options, allowing you to choose the level of sound treatment that best meets your application requirements. These units are ideal for residential or school environment where sound sensitivity are top priorities. Multiple sound packages offer sound power levels as low as 95 dBA at AHRI conditions for full-load operations.

Simplified service

ACS chillers are designed to make maintenance duties easier, safer and less frequent.

- Transverse "open V" design condenser coils—This design allows easier cleaning of the condenser coils from the inside out, to keep the coils and the chiller properly functioning.
- Maintenance-free, long-life motors—condenser fans are powered by variable speed, permanent magnet motors that require no periodic maintenance and are designed for exceptionally long operational life.
- Trane Intelligent Services enabled—ACS chillers can be remotely monitored by Trane Intelligent Services (TIS) 24 hours a day.

Model ACS

140-230 tons



Continuous Optimization

An environment offering quiet, dependable cooling can provide many benefits both inside and outside of the building. An efficient HVAC system can increase indoor air quality, which can affect health, comfort, and well-being of building occupants. And, quietly operating HVAC system can help your building to be a good neighbor.

Building on over 40 years of experience designing air-cooled chillers, Trane engineers are committed to developing the most optimal HVAC solution to meet the widest operating map.

Ultimate control under all conditions

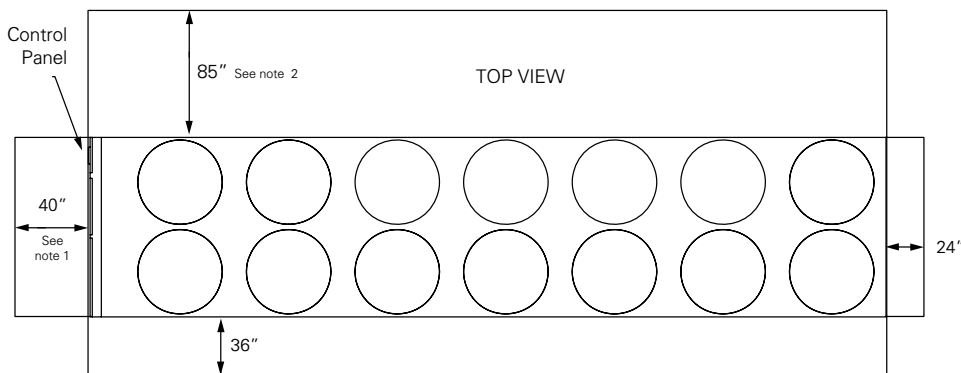
Trane controls offer performance and efficiency advantages that other controls simply can't match. The Tracer[™] UC800 provides the intelligence behind the ACS chiller and features Adaptive Control[™] algorithms: proprietary control strategies that respond to a variety of conditions to maintain efficient chiller plant operation.

General Data

Size	Rated Power	Full Load EER	IPLV EER	Operating Weight (lb)	Length (in)	Width (in)	Height (in)	Flow (gmp)		Water Connection (in)	MCA	MOP				
								min	max							
140	208	ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 15.8	8254	229	88	98	168	504	4	629	700				
	230			8254	229	88	98				622	700				
	460			8254	229	88	98				285	350				
	575			8254	229	88	98				233	250				
160	208			ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 15.8	8254	229	88	98	192	576	4	693	800		
	230					8254	229	88	98				686	800		
	460					8254	229	88	98				313	350		
	575					8254	229	88	98				257	300		
180	208					ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 16.1	9992	282	88	98	216	648	4	805	1000
	230							9992	282	88	98				800	1000
	460							9992	282	88	98				367	400
	575							9992	282	88	98				300	350
200	208	ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 16.1					9992	282	88	98	240	720	4	877	1000
	230							9992	282	88	98				868	1000
	460							9992	282	88	98				398	450
	575							9992	282	88	98				325	350
215	208			ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 16.1			11171	335	88	98	258	774	4	953	1000
	230							11171	335	88	98				943	1000
	460							11171	335	88	98				433	500
	575							11171	335	88	98				354	400
230	208					ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 16.1	11171	335	88	98	276	828	4	1017	1200
	230							11171	335	88	98				1007	1200
	460							11171	335	88	98				460	500
	575							11171	335	88	98				378	400

Weight and dimension can change depending on options selected.

Service Clearances - NO OBSTRUCTIONS ABOVE UNIT



Notes:

1. A full 40 inches clearance is required in front of the control panel. Must be measured from front of panel, not end of unit base.
2. Clearance of 85 inches on the side of the unit is required for coil replacement. Preferred side for coil replacement is shown (left side of the unit, facing control panel), however, either side is acceptable.



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