

Trane Sintesis Air-Cooled Chillers

Chillers that give you choices

Every building and every project is different, but they all need one thing—a cooling solution that meets their requirements. This is where Trane[®] Sintesis[®] air-cooled chillers come in.

Trane designed Sintesis chillers to deliver high energy efficiency, robust cooling performance and sustainable solutions, with options such as Thermal Storage and Free Cooling that allow you to select the chiller that will best serve your building and meet your objectives.

Sintesis chillers are the first air-cooled chillers to offer the choice of either R-134a or R-513A, a next generation, low global warming potential (GWP) refrigerant. This option allows the customer, not the chiller manufacturer, to choose when to make the transition to a lower GWP alternative.

High performance technologies for lower life cycle costs

Sintesis chillers feature multiple technological solutions to deliver the cooling performance you need, with the lower life cycle costs your budget requires.

Ultimate control under all conditions

Trane controls offer performance and efficiency advantages that other controls simply can't match. The Tracer UC[™]800 provides the intelligence behind the RTAF chiller and features Adaptive Control[™] algorithms—proprietary control strategies that respond to a variety of conditions to maintain efficient chiller plant operation.

Model RTAF

115-520 tons

using either R-134a or R-513A



EcoWise[™]

Sintesis chillers are part of the Ingersoll Rand EcoWise[™] portfolio of products that can use next-generation, low GWP refrigerants and are energy efficient.

Performance you can count on

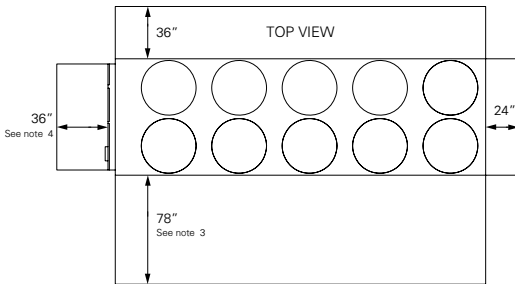
Legendary Trane reliability is built into every Sintesis chiller. That reliability is your assurance of lasting quality, performance and value—qualities that you can depend on to make your buildings better for life.

Size	Full Load EER	IPLV EER	Operating Weight (lb)	Length (in)	Width (in)	Height (in)	Flow		Water Connection (in)
							min	max	
115	ASHRAE 90.1 2016 Compliant ≥ 9.7	ASHRAE 90.1 2016 Compliant ≥ 15.8	8091	229	89	98	128	470	4
130			8203	229	89	98	150	551	4
150			9628	274	89	98	171	626	5
170		9669	ASHRAE 90.1 2016 Compliant ≥ 16.1	274	89	98	187	684	5
180		10002		276	89	98	199	731	5
200		11012		318	89	98	202	742	6
215		11355		318	89	98	228	835	6
230		12829		318	89	98	261	957	6
250		13242		318	89	98	288	1055	6
270		13242		318	89	98	288	1055	8
280		16838		414	89	98	304	1113	8
310		17367		459	89	98	323	1183	8
350		18375		459	89	98	367	1345	8
390		18375		459	89	98	367	1345	8
410		21411		547	89	98	446	1635	8
450		23794		636	89	98	487	1786	8
500		23794		636	89	98	506	1855	8
520		23907		636	89	98	506	1855	8

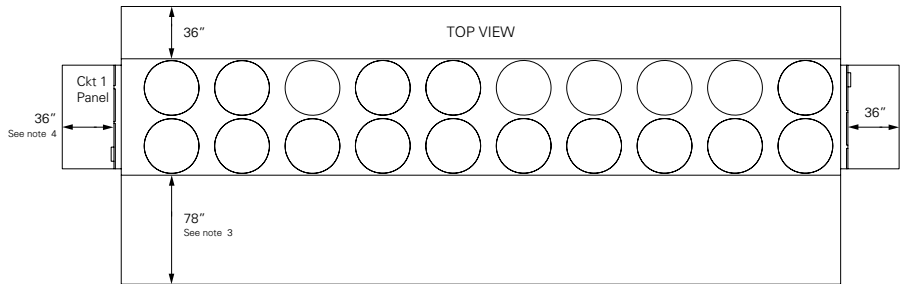
Weight and dimension can change depending on options selected

Service Clearances - NO OBSTRUCTIONS ABOVE UNIT

Unit Sizes 115 to 270 tons:



Unit Sizes 280 to 520 tons:



Notes:

1. Area above unit required for operation, maintenance, panel access and airflow. NO OBSTRUCTIONS ABOVE UNIT.
2. For installations with obstructions or multiple units, see Close Spacing and Restricted Airflow Bulletin RLC-PRB037*-EN.
3. Clearance of 78" (1981 mm) on the side of the unit is required for coil replacement. If sufficient clearance is not available on this side of the unit, coil replacement should be performed through top of unit.
4. A full 36" (914 mm) clearance is required in front of the control panels. Must be measured from front of panel, not end of unit base.
5. The clearances shown are sufficient for tube pull.



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results.



Trane, the Circle Logo, Let's Go Beyond, Sintesis, EcoWise, and Tracer UC are trademarks of Trane in the United States and other countries. ASHRAE is a trademark of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. All trademarks referenced are trademarks of their respective owners.

ingersollrand.com