

Trane Sinesis Air-Cooled Chillers



Our most environmentally conscious air-cooled chiller that gives you choices

Model RTAF – 115-520 tons using either R-134a or R-513A

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

Trane designed Sinesis 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.

Sinesis 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.

Add to this advanced controls and rapid restart capabilities, and you've got a chiller you can count on.

High performance technologies for lower life cycle costs

Sinesis 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™ 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.



EcoWise™

Sinesis chillers are part of the Ingersoll Rand EcoWise™ portfolio of products that can use next-generation, low global warming potential (GWP) refrigerants and are energy efficient.

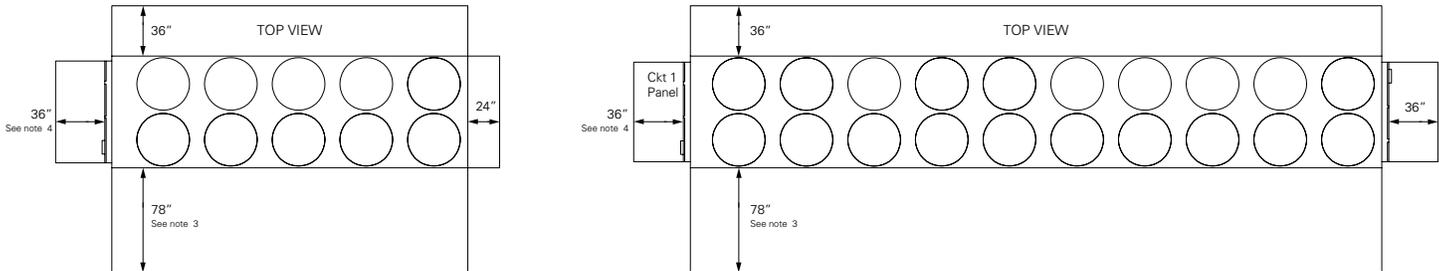
Performance you can count on

Legendary Trane reliability is built into every Sinesis 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	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		ASHRAE 90.1 2016 Compliant ≥ 16.1	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
 Voltages available; 380/60, 400/50, 460/60 and 575/60

Service Clearances - NO OBSTRUCTIONS ABOVE UNIT



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. Clearances shown are sufficient for tube pull.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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