

100 TON AIR-COOLED SCROLL PACKAGED

SPECIFICATIONS

Trane® Portable Packaged Air Conditioner units contain the best compressor technology available, in order to achieve the highest performance possible. Trane-built scroll compressors are designed specifically to ensure system quality.

These units have high efficiency condenser coils with increased capacity and energy efficiency. This assists with optimizing the required amount of power to operate.

U-shaped airflow allows for improved static capabilities.

The 100 ton package unit is mounted on a skid frame and can be placed on the ground or delivered on a temporary trailer.



Unit shown with optional railing and fold down stair system.

100 TON AIR-COOLED SCROLL PACKAGED

◆(3) Three semi-hermetic screw design compressors.

System 1 has two compressors and System 2 has one compressor.

- ◆ Condenser Louvered Enclosure
- ◆ Disconnect Switch
- ◆ Across the line starter
- ◆ Mechanical Flow Switch

Call us today! (800)341-4297



Unit shown with optional railing and fold down stair system.

GENERAL

◆ TRANE	CGAM100F2
◆ CFM (Cubic Feet Per Minute)	73064
◆ Air Supply	
◆ Air Return	
◆ Skid Mounted	-----
◆ Optional Trailer Mounted	YES

DIMENSIONS

◆ Length Trailer & Chiller	22' 7 79/128"
◆ Width Trailer & Chiller	8' 3 1/4"
◆ Height Trailer & Chiller	12' 11 21/128"
◆ Shipping Weight	6646.4 lb

ELECTRICAL DATA

◆ Power Supply	120V 15AMP
◆ Connections	4
◆ Minimum Circuit Ampacity	
◆ Min/Max Operational Volts	

ADDITIONAL INFORMATION

- ◆ **Architectural Louvered Panels**
- ◆

100 TON AIR-COOLED SCROLL PACKAGED



Product Data - 100 Ton

Air-Cooled Scroll Packaged Chiller
Startup Included - Trane Service must start equipment for warranty to be honored
100 nominal tons
60 hertz
460 volt 3 phases
High efficiency/performance
Full factory refrigerant charge (HFC-410A)
With freeze protection (External T-STAT control)
Refrigerant isolation valves (discharge valve)
UL listed to US and Canadian safety std
ASHRAE 90.1 all versions compliant
AHRI certified
Factory installed flow switch - set point 65 cm/sec

Item: Std cooling (42 to 65F/5.5 to 18C)
Grooved pipe connection
Factory insulation - all cold parts
Performance based on water
Wide ambient (0 to 125F/-18 to 52C)
Lanced aluminum fins
Across the line starter/direct on line
Single point power connection
Circuit breaker-high fault rated control panel
Enclosure type UL 1995 rated for outdoor applications
High A short circuit rating
With water strainer factory installed
Super quiet
Architectural louvered panels
2nd-5th year compressor parts

Air-Cooled Scroll

Performance Data - Tags

Tags	100 Ton	100 Ton	
Capacity (tons)	99.50	Saturated cond temp circuit 2 (F)	123.20
Unit power input (kW)	114.60	Compressor power input (kW)	104.60
Full load efficiency (EER)	10.4	RLA - compressor 1A (A)	41.90
NPLV (EER) 1	5.5	LRA - compressor 1A (A)	260.00
IPLV (EER)	15.4	RLA - compressor 1B (A)	41.90
Sound power level (dBA)	95	LRA - compressor 1B (A)	260.00
Sound pressure level (dBA)	68	RLA - compressor 2A (A)	41.90
Refrigerant	R410A	LRA - compressor 2A (A)	260.00
Refrigerant charge circuit 1 (lb)	90.0	RLA - compressor 2B (A)	41.90
Refrigerant charge circuit 2 (lb)	90.0	LRA - compressor 2B (A)	260.00
Oil charge circuit 1 (gal)	3.54	Total airflow (cfm)	73064
Oil charge circuit 2 (gal)	3.54	Number of fans ()	8
Evap entering temp (F)	56.00	Fan motor power (kW)	9.80
Evap leaving temp (F)	44.00	Total fan FLA (A) 2	6.60
Evap flow rate (gpm)	198.50	Single point power MCA (A)	206.50
Min evap flow rate (gpm)	144.40	Single point power MOP (A)	225.00
Min flow PD evap+strainer (ft H2O)	6.40	Short circuit current rating (A)	65000.00
Max evap flow rate (gpm)	346.60	Number of compressors ()	4
Max flow PD evap+strainer (ft H2O)	34.40	Number of circuits ()	2
Evap fluid freeze point (F)	32.00	Capacity steps ()	4
Evap press drop (ft H2O)	8.90	Shipping weight (lb)	6646.4
Total PD evap+strainer (ft H2O)	11.70	Operating weight (lb)	6759.1
Evap fouling factor (hr-sq ft-deg F/Btu)	0.00010	Length (in)	165.900
Saturated evap temp circuit 1 (F)	38.60	Width (in)	89.000
Saturated evap temp circuit 2 (F)	38.60	Height (in)	92.500
Ambient air temperature (F)	95.00		
Elevation (ft)	0.00		
Saturated cond temp circuit 1 (F)	123.20		

Air-Cooled Scroll