



20-130 Ton Air-Cooled

Job Information

		Job01
Tag	CGAM-1	
Model Number	CGAM 20	
Quantity	1	
TOPSS version number	227	
Unit nominal tonnage	20 tons	
Unit type	High efficiency	

General Information

Sound attenuator package	Comprehensive package	IPLV.IP	14.63 EER (Btu/W-h)
Refrigerant	R410A	NPLV.IP	14.72 EER (Btu/W-h)
Refrigeration capacity	19.55 tons	Sound power level	84 dBA
Full load refrigeration efficiency	10.29 EER (Btu/W-h)	Sound pressure level *	59 dBA

Note: * At 30 feet in free field.

Evaporator Information

Evaporator application	Std cooling	Fouling factor	0.000100 hr-sq ft-deg F/ Btu
Entering temperature	12.00 C	Saturated temperature-ckt 1	37.4 F
Leaving temperature	7.00 C	Saturated temperature-ckt 2	0.0 F
Fluid flow rate	51.95 gpm	Minimum flow rate	23.20 gpm
Pressure drop	13.2 ft H2O	Pressure drop at min flow rate	3.75 ft H2O
Total PD evap+strainer	17.0 ft H2O	Maximum flow rate	69.70 gpm
Evap fluid type	Water	Flow switch set point	Flow switch set point 60 cm/sec
Evap fluid freeze point	32.00 F	Pressure drop at max flow rate	29.6 ft H2O
		Freeze protection (factory inst)	With freeze protection

Condenser Information

Unit application	Wide ambient	Total fan FLA	13.50 A
Ambient air temperature	35.0 C	Total airflow	18602 cfm
Elevation	0.000 ft	Fin material	Complete coat
Number of fans	2.00 Each	Saturated temperature-ckt 1	118.7 F
Fan power	2.321 kW	Saturated temperature-ckt 2	0.0 F

Compressor Information

Number of compressors	2	RLA	LRA
Number of circuits	1	Compressor A	39.10 A
Refrigeration capacity steps	2	Compressor B	39.10 A
Compressor power input	20.23 kW		267.00 A

Electrical Information

Unit voltage	208.volt 3 phases	MCA	MOP
Unit hertz	60. hertz	Single point power	105.60 A
Short circuit	Default	Incoming power line connection	Single point
Short circuit current rating	5000.00 A	Starter type	Across the line
Total power input	22.79 kW		

Note: Unit power includes: compressors, condenser fans, and control kW

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Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program which is based on AHRI Standard 550/590 (I-P). Certified units may be found in the AHRI directory at www.ahridirectory.org.



Physical Information

Length	113.800 in	Water connection (inlet)	2.000 in
Width	50.400 in	Refrigerant charge circuit 1	32.0 lb
Height	84.700 in	Oil charge circuit 1	1.74 gal
Operating weight	2208.0 lb		
Shipping weight	2185.2 lb		

Information for LEED Projects

ASHRAE 90.1/CSA compliance	ASHRAE all to 2016	IPLV	14.63 EER (Btu/W-h)
Refrigerant charge circuit 1	32.0 lb	Rated refrigeration capacity (AHRI)	19.42 tons
		Rated cooling efficiency	10.24 EER (Btu/W-h)

Note: This product meets the minimum efficiency requirements of ASHRAE Standard 90.1 and CANS/CSA C743 for all versions (which are based on AHRI standard rating conditions) and, therefore, also meets the LEED "Minimum Energy Performance" prerequisite in the Energy and Atmosphere section.

The LEED Green Building Rating System™, developed by the U.S. Green Building Council, provides independent, third-party verification that a building project meets green building and performance measures.