


Air-Cooled Stealth (TM)

Job Information

		WEX - Portland Portland ME (B16)Daniel Broderick	
Tag	RTAE-150	Nominal tonnage	165 ton
Model number	RTAE165		
Quantity	1	TOPSS version number	203

General Data

Refrigeration capacity	148.3 tons	IPLV.IP	18.67 EER
Cooling efficiency	10.94 EER	NPLV.IP	17.76 EER

Evaporator Information

Evaporator application	Standard cooling (40-65F)	Evaporator configurations	3 pass evaporator
Evap fouling factor	0.000100 hr-sq ft-deg F/ Btu	Evaporator fluid type	Propylene glycol
Leaving fluid evap	42.00 F	Evap fluid concentration	30.00 %
Entering fluid evap	53.99 F	Evap fluid freeze point	9.19 F
Flow evap	313.8 gpm	Saturated evap temp - ckt 2	38.0 F
Fluid pressure drop evap	28.4 ft H2O	Saturated evap temp - ckt 1	37.4 F
Flow switch	Flow switch other - 15 cm/s		

Condenser Information

Ambient air temp	95.0 F	Saturated cond temp - ckt 1	126.4 F
Elevation	0.000 ft	Saturated cond temp - ckt 2	126.7 F
Condenser fin options	Aluminum fins with slits	RLA - condenser fan (each)	2.70 Each
Number of condenser fans	10.00 Each	Unit application	Low ambient
Fan power	7.822 kW		

Electrical Information


Compressor starter	AFD3	RLA - comp A - AFD input	130.00 A
Incoming power line connection	Single point power	RLA - comp B - AFD input	130.00 A
Unit voltage	460.0 volt 3 phases	Short circuit current rating	65000.00 A
Unit hertz	60.0 hertz	Short circuit withstand rating	High amp
Total power	162.8 kW	Single point power MCA	323.00 A
Compressor power	154.6 kW	Single point power MOP	450.00 A
Transformer	No transformer	Power line connection type	CB high fault rated

Physical Information

Length	283.625 in	Refrig (HFC-134a) - ckt 1	181.0 lb
Width	87.813 in	Refrig (HFC-134a) - ckt 2	181.0 lb
Height	95.750 in	Oil charge - ckt 1	3.00 gal
Operating weight	13323.0 lb	Oil charge - ckt 2	3.00 gal
Shipping weight	13177.0 lb	Drive cooling charge - ckt 1	1.23 gal
		Drive cooling charge - ckt 2	1.67 gal

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Acoustical Performance

Unit sound package	Ultimate	Fan speed	700
A-weighted sound power	91 dBA	A-weighted sound pressure *	63 dBA
A-weighted 75% sound power	91 dBA	A-weighted 75% sound pressure	63 dBA
A-weighted 50% sound power	83 dBA	A-weighted 50% sound pressure	54 dBA
A-weighted 25% sound power	81 dBA	A-weighted 25% sound pressure	51 dBA

Note: * At 30 feet in free field.

This unit complies with the efficiency requirements of all versions of ASHRAE Standard 90.1 and CANS/CSA C743.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Unit contains freeze protection fluids in the evaporator with a leaving chilled fluid temperature above 32°F [0°C] and is certified when rated per the Standard with water. Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Information for LEED Projects

ASHRAE 90.1/CSA compliance	ASHRAE 90.1 - all versions up to 2016	Cooling efficiency	10.94 EER
Refrig (HFC-134a) - ckt 1	181.0 lb	IPLV.IP	18.67 EER
Refrig (HFC-134a) - ckt 2	181.0 lb	Compressor power	154.6 kW
Rated refrigeration capacity (AHRI)	162.1 tons	Fan power	7.822 kW
Rated cooling efficiency (AHRI)	11.49 EER		

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. Refer to the product catalog for performance at AHRI standard rating conditions.

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.