

Unit Tag	Qty	Model No	Net Cooling Capacity (ton.R)	Nominal Voltage	Refrigerant Type
CH-1	2	YLAA0170SE58XFBSDTX	169.6	575-3-60.0	R410A

PIN:

YLAA0170SE	58XFBSDTXA	SXBLXCXX44	SEXXXXHXXX	YAXGTXX7BB	XVXNB1XXXX			
...5...10	...5...20	...5...30	...5...40	...5...50	...5...60	...5...70	...5...80	...5...90

Evaporator Data		Evaporator Data (Cont.)		Performance Data	
EWT (°F)	54.00	Fluid Volume (USGAL)	10.04	EER (Btu/W-h)	9.701
LWT (°F)	44.00	Min. Flow Rate (USGPM)	149.9	IPLV.IP (Btu/W-h)	16.67
Design Flow Rate (USGPM)	404.9	Max. Flow Rate (USGPM)	624.5		
Evap. Press. Drop (ft H2O)	21.9				
Fluid	Water	Condenser Data		Physical Data	
Strainer Press. Drop (ft H2O)	0.000	Ambient Temp. Design (°F)	95.0	Rigging Wt. (lb)	8730
Ext. Kit Press. Drop (ft H2O)	0.000	Altitude (ft)	0.000	Operating Wt. (lb)	8816
Total Press. Drop (ft H2O)	21.9	Compressor Type	Scroll - Hermetic	Refrigerant Charge (lb)	177
Fouling Factor (h.ft ² .F/Btu)	0.000100				

Electrical Data				
Circuit	1	2	3	4
Compressor RLA	42 / 42 / 42	42 / 42 / 42		
Fan QTY/FLA (each)	5 / 2.9	5 / 2.9		
High LRA Current	255 / 255 / 255	255 / 255 / 255		

Single Point				
Min. Circuit Ampacity	298			
Recommended Fuse/CB Rating	300			
Max. Inverse Time CB Rating	300			
Max. Dual Element Fuse Size (A)	300			
Unit Short Circuit Withstand (STD)	5 [kA]			
Wires Per Phase	2 + 1			
Wire Range (Lug Size)	#3/0 AWG - 250 kcmil + 250 - 500 kcmil			
Starter Type	Across The Line			
			Operating Condition Electrical Data	
			Compressor kW	193.0
			Total Fan kW	16.80
			Total kW	209.8

Notes:

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org. Auxiliary components included in total KW - Oil heaters, Chiller controls. Auxiliary power is already included in the compressor and fan power



Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).

Part Load Rating Data				
Stage	Ambient (°F)	Capacity (ton.R)	Total kW	Unit Efficiency
1	95.0	169.6	209.8	9.701
2	88.0	149.9	160.1	11.24
3	80.4	128.5	113.9	13.54
4	71.0	101.7	75.35	16.19
5	60.5	72.18	42.94	20.17
6	55.0	35.83	20.30	21.18

Sound Power Levels (In Accordance with AHRI 370)										
Stage	Ambient (°F)	63 Hz (dB)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1 kHz (dB)	2 kHz (dB)	4 kHz (dB)	8 kHz (dB)	LWA
1	95.0	100	99	95	95	91	87	84	87	97
2	88.0	99	97	94	94	90	86	83	86	95
3	80.4	96	95	91	91	88	84	80	84	93
4	71.0	94	93	89	89	85	81	78	81	91
5	60.5	89	87	84	84	81	77	73	77	86
6	55.0	86	84	81	81	78	74	70	74	83

Note: Unit is equipped with Acoustic Sound Blanket and Low Sound Fans with VSD Control.

Performance at AHRI Conditions					
Evaporator Data		Condenser Data		Performance Data	
EWT (°F)	54.00	Ambient Temp. (°F)	95.0	EER (Btu/W·h)	9.701
LWT (°F)	44.00	Altitude (ft)	0.000	IPLV.IP (Btu/W·h)	16.67
Flow Rate (USGPM)	404.9			Net Cooling Capacity (ton.R)	169.6
Pressure Drop (ft H ₂ O)	21.9				
Fluid	Water				
Fouling Factor (h.ft ² .F/Btu)	0.000100				
Fluid Volume (USGAL)	10.04				

Note: Unit rated at design condition capacity.