

Unit Tag	Qty	Model No	Net Cooling Capacity (ton.R)	Nominal Voltage	Refrigerant Type
CH-1	1	YLAA0120SE46XFBSDTX	119.9	460-3-60.0	R410A

PIN:								
YLAA0120SE	46XFBSDTXA	XXBLXCXX44	SE1XXXHXXX	YAXWXXX3XX	BXXNXXXXXX			
....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)	13.21	EER (Btu/W·h)	9.782
LWT (°F)	44.00	Min. Flow Rate (USGPM)	150.6	IPLV.IP (Btu/W·h)	14.96
Design Flow Rate (USGPM)	286.3	Max. Flow Rate (USGPM)	624.5		
Evap. Press. Drop (ft H2O)	8.47				
Fluid	Water	Condenser Data		Physical Data	
Strainer Press. Drop (ft H2O)	7.80	Ambient Temp. Design (°F)	95.0	Rigging Wt. (lb)	5426
Ext. Kit Press. Drop (ft H2O)	0.000	Altitude (ft)	0.000	Operating Wt. (lb)	5536
Total Press. Drop (ft H2O)	16.3	Compressor Type	Scroll - Hermetic	Refrigerant Charge (lb)	115.9
Fouling Factor (h.ft².F/Btu)	0.000100				

Electrical Data				
Circuit	1	2	3	4
Compressor RLA	53 / 53	53 / 53		
Fan QTY/FLA (each)	3 / 4	3 / 4		
High LRA Current	290 / 290	290 / 290		

Single Point				
Min. Circuit Ampacity	254			
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]		Operating Condition Electrical Data	
Wires Per Phase	2 + 1		Compressor kW	137.1
			Total Fan kW	10.08
Wire Range (Lug Size)	#3/0 AWG - 250 kcmil + 250 - 500 kcmil		Total kW	147.1
Starter Type	Across The Line			

Notes:

This unit does not have a coil coating selected.

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



Part Load Rating Data				
Stage	Ambient (°F)	Capacity (ton.R)	Total kW	Unit Efficiency
1	95.0	119.9	147.1	9.782
2	84.2	98.25	96.17	12.26
3	71.2	72.31	54.45	15.94
4	55.0	33.62	24.36	16.57

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	98	97	93	93	91	87	84	81	96
2	84.2	98	97	93	93	90	86	83	81	95
3	71.2	98	97	93	93	90	86	83	80	95
4	55.0	90	89	85	86	83	80	77	74	88

Note: Unit is equipped with 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)	9.782
LWT (°F)	44.00	Altitude (ft)	0.000	IPLV.IP (Btu/W·h)	14.96
Flow Rate (USGPM)	286.3			Net Cooling Capacity (ton.R)	119.9
Pressure Drop (ft H ₂ O)	8.47				
Fluid	Water				
Fouling Factor (h.ft ² .F/Btu)	0.000100				
Fluid Volume (USGAL)	13.21				

Note: Unit rated at design condition capacity.