

Unit Tag	Qty	Model No	Net Cooling Capacity (ton.R)	Nominal Voltage	Refrigerant Type
CH-1	1	YLAA0101HE46XFBMBTX	99.11	460-3-60.0	R410A

PIN:								
YLAA0101HE	46XFBMBTXH	SXBLXCXX44	SEXXXXHXXX	XAXGTXXBXX	XVXNB1XXL5			
....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)	8.771	EER (Btu/W·h)	10.14
LWT (°F)	44.00	Min. Flow Rate (USGPM)	99.86	IPLV.IP (Btu/W·h)	16.82
Design Flow Rate (USGPM)	236.6	Max. Flow Rate (USGPM)	400.1		
Evap. Press. Drop (ft H2O)	9.61				
Fluid	Water	Condenser Data		Physical Data	
Strainer Press. Drop (ft H2O)	0.000	Ambient Temp. Design (°F)	95.0	Rigging Wt. (lb)	5842
Ext. Kit Press. Drop (ft H2O)	0.000	Altitude (ft)	0.000	Operating Wt. (lb)	5915
Total Press. Drop (ft H2O)	9.61	Compressor Type	Scroll - Hermetic	Refrigerant Charge (lb)	110
Fouling Factor (h.ft².F/Btu)	0.000100				

Electrical Data				
Circuit	1	2	3	4
Compressor RLA	33 / 33	33 / 33		
Fan QTY/FLA (each)	2 / 4	4 / 4		
High LRA Current	239 / 239	239 / 239		

Multi Point				
Min. Circuit Ampacity	104	135		
Max. Inverse Time CB Rating	125	175		
Max. Dual Element Fuse Size (A)	125	175	Operating Condition Electrical Data	
Unit Short Circuit Withstand (STD)	5 [kA]		Compressor kW	107.3
Wires Per Phase	2 + 1		Total Fan kW	10.08
Wire Range (Lug Size)	#3/0 AWG - 250 kcmil + 250 - 500 kcmil		Total kW	117.3
Starter Type	Across The Line		Total kW with Hydrokit Power	132.3

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	99.11	117.3	10.14
2	89.4	89.79	93.41	11.53
3	74.5	65.27	50.35	15.56
4	66.3	51.70	33.78	18.37
5	55.0	16.18	9.140	21.25

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	90	87	83	87	95
2	89.4	97	96	92	92	89	86	82	86	94
3	74.5	92	91	87	88	85	83	78	83	90
4	66.3	89	88	84	85	83	81	77	81	88
5	55.0	81	80	76	78	75	77	69	77	82

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)	10.14
LWT (°F)	44.00	Altitude (ft)	0.000	IPLV.IP (Btu/W·h)	16.82
Flow Rate (USGPM)	236.6			Net Cooling Capacity (ton.R)	99.11
Pressure Drop (ft H ₂ O)	9.61				
Fluid	Water				
Fouling Factor (h.ft ² .F/Btu)	0.000100				
Fluid Volume (USGAL)	8.771				

Note: Unit rated at design condition capacity.