

Unit Tag	Qty	Model No	Net Cooling Capacity (ton.R)	Nominal Voltage	Refrigerant Type
YLAA0041HE46VSD	1	YLAA0041HE46XCBBXTX	39.45	460-3-60.0	R410A

PIN:								
YLAA0041HE	46XCBBXTXA	SXBLXCXX44	SE1XXXHXXX	YAXGXXX3XX	BVXNXXXXXX			
....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)	2.570	EER (Btu/W·h)	11.60
LWT (°F)	44.00	Min. Flow Rate (USGPM)	16.00	IPLV.IP (Btu/W·h)	17.77
Design Flow Rate (USGPM)	94.16	Max. Flow Rate (USGPM)	220.0		
Evap. Press. Drop (ft H2O)	7.60				
Fluid	Water	Condenser Data		Physical Data	
Strainer Press. Drop (ft H2O)	0.000	Ambient Temp. Design (°F)	95.0	Rigging Wt. (lb)	3805
Ext. Kit Press. Drop (ft H2O)	0.000	Altitude (ft)	0.000	Operating Wt. (lb)	3825
Total Press. Drop (ft H2O)	7.60	Compressor Type	Scroll - Hermetic	Refrigerant Charge (lb)	80
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	2 / 4		
High LRA Current	239 / 239	239 / 239		

Single Point				
Min. Circuit Ampacity	96			
Recommended Fuse/CB Rating	110			
Max. Inverse Time CB Rating	110			
Max. Dual Element Fuse Size (A)	110			
Unit Short Circuit Withstand (STD)	5 [kA]		Operating Condition Electrical Data	
Wires Per Phase	1		Compressor kW	34.09
Wire Range (Lug Size)	#4 AWG - 300 kcmil		Total Fan kW	6.720
Starter Type	Across The Line		Total kW	40.81

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				
				
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	39.45	40.81	11.60
2	83.6	31.97	25.90	14.81
3	70.2	23.12	14.83	18.71
4	55.0	11.75	6.987	20.18

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	96	95	92	92	88	84	81	84	93
2	83.6	94	93	90	90	86	82	79	82	91
3	70.2	90	88	85	85	81	77	74	77	87
4	55.0	87	85	82	82	78	74	71	74	84

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)	11.60
LWT (°F)	44.00	Altitude (ft)	0.000	IPLV.IP (Btu/W·h)	17.77
Flow Rate (USGPM)	94.16			Net Cooling Capacity (ton.R)	39.45
Pressure Drop (ft H ₂ O)	7.60				
Fluid	Water				
Fouling Factor (h.ft ² .F/Btu)	0.000100				
Fluid Volume (USGAL)	2.570				

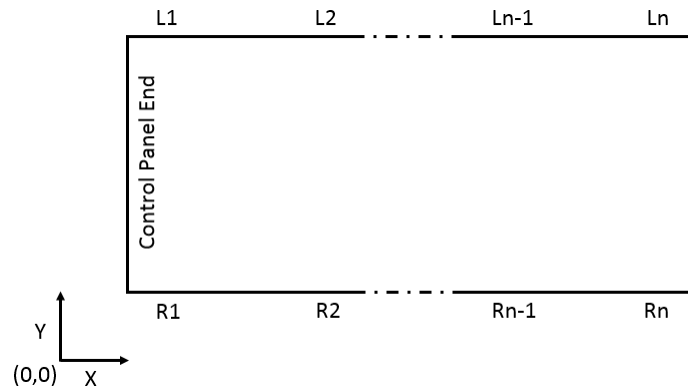
Note: Unit rated at design condition capacity.



Stock Unit Included Options

Line #	Equipment Details	Qty.
1	Base Unit	
	YLAA - With VSD Fans	1
	R-410A Refrigerant (Fully Charged)	1
	Voltage Code - (460/3/60)	1
	SP Circuit Breaker w/Lockable Handle	1
	Control Transformer	1
	Both Low/High Ambient Kit Required	1
	BACnet/Modbus/N2 (Native)	1
	English	1
	cUL/cETL Listing	1
	Service Isolation Valves	1
	Electronic Expansion Valves	1
	Hot Gas Bypass (1 circuit)	1
	Extension Kit	1
	ASME Pressure Vessel & Associated Codes	1
	Thermal Dispersion Flow Switch for Water Applications	1
	All Aluminum Microchannel Coils	1
	No Heat Recovery	1
	Wire / Louvered Enclosure Panels	1
	No Sound Kit	1
	Low Sound Fans with VSD Control	1
	Neoprene Isolators	1
	No Pump Kit	1

Project Name	Unit Tag	Date	Chiller Type
Stock Order YLAA (1) Rev. 3	YLAA0041HE46VSD	2019-02-26	Air Cooled Scroll Chillers
PIN			Version
YLAA0041HE46XCBBXTXASXBLXCXX44SE1XXXHXXXYAXGXXX3XXBVXNXXXXXX			E.19.2.14281.0-D.71.0062



LOCATION	X Distance (in)	Y Distance (in)	Vendor Isolator Part Number	COLOUR	Operating Weights (lb)
R1	13.1	1.4	RD-4 Brick Red-WR	Red	992
R2	87.3	1.4	RD-3 Charcoal-WR	Charcoal	690
L1	13.1	86.9	RD-4 Brick Red-WR	Red	1193
L2	87.3	86.9	RD-4 Brick Red-WR	Red	952

Total Weight (lb)		Centre of Gravity (in)	
Operating	3825	Xg	45.0
Shipping	3805	Yg	49.3

All values are de-rated by 15% apart from those which have part number. (029-25334-013 and 029-25336-014: 0% de-rated), (029-25335-004: 10% de-rated), (029-25335-001 and 029-25335-003: 25% de-rated)

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---

4.1. REFER TO YORKworks REPORTS.

				JOHNSON CONTROLS – BUILDING EFFICIENCY			
THIRD ANGLE DO NOT SCALE				507 EAST MICHIGAN STREET, MILWAUKEE, WI, 53202 USA			
				YLAA 4-FAN 60HZ UNITS		MATERIAL ENG. STD. PART NO. CUT SIZE	
DRAWN E.JONES MODELLER E.JONES CHKD A.SAYCH ENG		27-NOV-2018 27-NOV-2018 27-NOV-2018		A1 CAGE NUMBER 66935		DRAWING NUMBER 035-24059-018	
SCALE: 0.075		MASS (kg): 0.000		ORIG. NO.:		SHEET 1 OF 2	
						REVISION - VERSION D Released	