



BY JOHNSON CONTROLS

Model #: YVAA0278EUV46BAVBXXXEAXLXXXX6042XOSXXV197W1SXSA2BMXV3X1XXXXXXF1SX
Serial #: 2LAM022215

2013
270 Tons



***Model YVAA Air-Cooled Screw Compressor Liquid Chillers
with Variable Speed Drive
Style A***

L: 31' 8"
W: 7' 5"
H: 7' 11"

Shipping Weight: 17,753 lbs
Operating Weight: 18,612 lbs

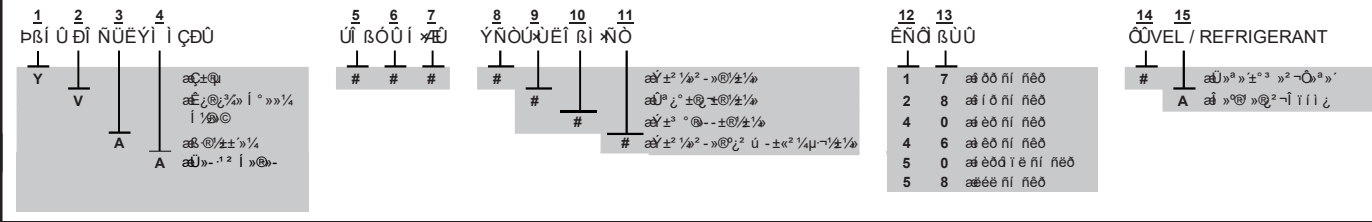
150-500 Tons
525-1750 kW
2 Compressor
50 and 60 Hz
HFC-134a

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NOMENCLATURE

YVAA 027 8EUV 46 BA

YVAA 021 3AXX 46 AA



Products are produced at a facility whose quality management systems are ISO9001 certified.



ASHRAE 90.1 Compliant

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The data shown in this table is applicable to selected typical configurations. Other configurations are available through our configuration/selection software. Please contact your nearest Johnson Controls Sales Office for the chiller configuration that best matches your specific needs.

UNIT FRAME	021	021	023	024	024	026	027	027	027
CONDENSER CODE	5	8	3	5	8	3	3	5	8
EVAPORATOR CODE	C	C	B	C	C	B	D	E	E
GENERAL UNIT DATA									
Number of Independent Refrigerant Circuits	2								
Refrigerant Charge, R-134a, Ckt.-1/Ckt.-2, lbs	225/225	240/240	210/190	250/225	250/250	210/210	265/265	265/265	270/270
Oil Charge, Ckt.-1/Ckt.-2, gal	2.8/2.8	2.9/2.9	2.7/2.6	2.9/2.8	2.9/2.9	2.7/2.7	3.0/3.0	3.0/3.0	3.1/3.1
Minimum Load (%)	10%								
Unit shipping weight, lbs ¹	14915	15677	13288	15873	16634	14076	16275	16991	17753
Operating Weight, lbs ¹	15678	16440	13750	16636	17398	14538	17103	17851	18612
Chassis Dimensions - Length, in.	291.2	335.2	291.2	335.2	379.1	335.2	335.2	335.2	379.2
Chassis Dimensions - Width, in.	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
Chassis Dimensions - Height, in.	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
COMPRESSORS, SEMI-HERMETIC SCREW									
Qty per Chiller	2								
CONDENSER FANS									
Number Ckt-1/Ckt-2	6/6	7/7	7/5	8/6	8/8	7/7	7/7	7/7	8/8
Air on Condenser (Min/Max), °F	0/125								
EVAPORATOR, SHELL AND TUBE HYBRID FALLING FILM ²									
Water Volume, gal	71	71	58	71	71	58	82	113	113
Leaving Water Temperature (Min/Max), °F ³	40/60								
Maximum Water Side Pressure, psig	150								
Maximum Refrigerant Side Pressure, psig	235								
Evap Drain Connection, in.	3/4								

UNIT FRAME	034	037	041	044	048	050	052
CONDENSER CODE	5	3	3	3	3	0	3
EVAPORATOR CODE	E	F	H	G	G	J	J
GENERAL UNIT DATA							
Number of Independent Refrigerant Circuits	2						
Refrigerant Charge, R-134a, Ckt.-1/Ckt.-2, lbs	315/315	420/245	460/345	370/370	385/385	405/405	445/445
Oil Charge, Ckt.-1/Ckt.-2, gal	4.3/4.3	5.3/2.9	5.5/4.3	5.0/5.0	5.1/5.1	5.2/5.2	5.4/5.4
Minimum Load (%)	10%						
Unit shipping weight, lbs ¹	20077	21722	20618	24694	25456	25968	28427
Operating Weight, lbs ¹	20937	22781	21425	255753	26515	27325	29784
Chassis Dimensions - Length, in.	467.1	467.1	467.1	555.3	599.3	467.1	599.3
Chassis Dimensions - Width, in.	88.3	88.3	88.3	88.3	88.4	88.3	88.3
Chassis Dimensions - Height, in.	94.6	94.7	94.7	94.7	94.7	94.7	94.7
COMPRESSORS, SEMI-HERMETIC SCREW							
Qty per Chiller	2						
CONDENSER FANS							
Number Ckt-1/Ckt-2	10/10	13/7	12/8	12/12	13/13	10/10	13/13
Air on Condenser (Min/Max), °F	0/125						
EVAPORATOR, SHELL AND TUBE HYBRID FALLING FILM ²							
Water Volume, gal	113	96	130	96	96	147	147
Leaving Water Temperature (Min/Max), °F ³	40/60						
Maximum Water Side Pressure, psig	150						
Maximum Refrigerant Side Pressure, psig	235						
Evap Drain Connection, in.	3/4						

NOTES:

- Shipping and operating weights shown are for base unit; selected options may add weight to unit. Contact your nearest Johnson Controls Sales office for weight data.
- The evaporator is protected against freezing to 0°F(-17.8°C) with a standard heater.
- For leaving liquid temperature below 40°F(4.4°C) or above 60°F (15.6°C), contact your nearest Johnson Controls Sales Office for application requirements.

