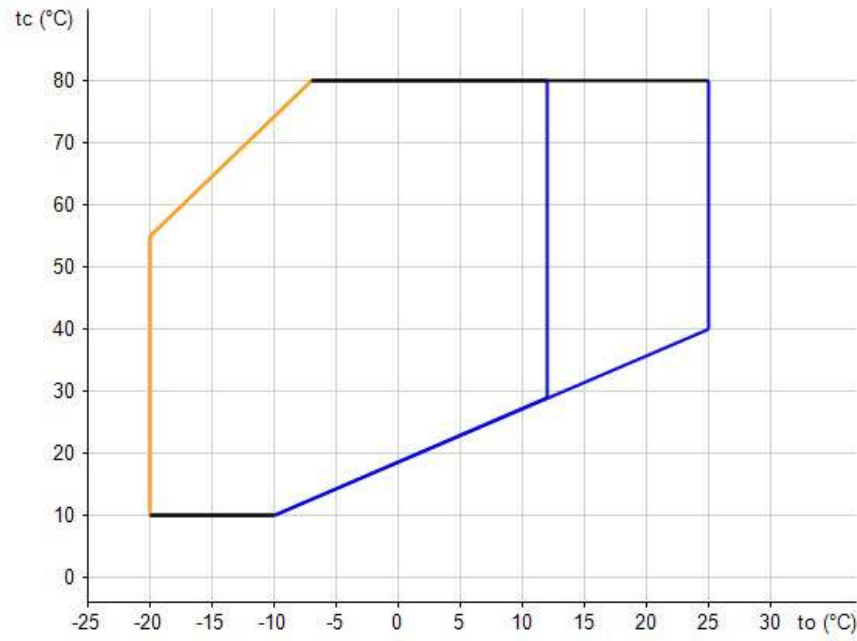


50 Hz

6MJ-45X

R134a



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

50 Hz

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Cond °C	Cooling Capacity, kW										
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5	15.0	20.0	25.0
10.0	41.80	52.40	65.30								
15.0	39.50	49.60	61.90	76.70							
20.0	37.10	46.80	58.50	72.60	89.30						
25.0	34.90	44.10	55.20	68.50	84.30	103.00					
30.0	32.60	41.30	51.90	64.50	79.40	96.90	117.00	128.50			
35.0	30.40	38.70	48.60	60.50	74.50	90.90	110.00	120.50			
40.0	28.30	36.00	45.40	56.50	69.60	85.00	103.00	113.00			
45.0	26.20	33.50	42.20	52.50	64.80	79.20	95.90	105.00			
50.0	24.20	30.90	39.00	48.60	60.00	73.40	88.90	97.50			
55.0	22.20	28.50	35.90	44.80	55.30	67.60	81.90	89.90			
60.0		26.10	32.90	41.00	50.60	61.90	75.00	82.30			
65.0			29.90	37.30	46.00	56.20	68.10	74.80			
70.0			27.00	33.60	41.40	50.60	61.40	67.40			
75.0				30.00	37.00	45.10	54.70	60.00			
80.0				26.50	32.60	39.70	48.00	52.70			

Cond °C	Power, kW										
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5	15.0	20.0	25.0
10.0	10.25	10.80	11.00								
15.0	10.90	11.65	12.15	12.25							
20.0	11.45	12.40	13.20	13.65	13.65						
25.0	11.90	13.05	14.10	14.85	15.25	15.20					
30.0	12.30	13.65	14.90	15.95	16.70	17.05	16.90	16.60			
35.0	12.65	14.15	15.60	16.90	18.00	18.75	19.05	19.00			
40.0	13.00	14.60	16.20	17.80	19.15	20.30	21.00	21.20			
45.0	13.40	15.05	16.80	18.60	20.20	21.70	22.80	23.20			
50.0	13.75	15.50	17.40	19.35	21.20	23.00	24.50	25.10			
55.0	14.20	16.00	17.95	20.10	22.20	24.20	26.10	26.90			
60.0		16.50	18.55	20.80	23.10	25.40	27.60	28.60			
65.0			19.20	21.50	24.00	26.60	29.00	30.20			
70.0			19.90	22.30	24.90	27.70	30.40	31.70			
75.0				23.20	25.90	28.80	31.80	33.30			
80.0				24.10	26.90	30.00	33.20	34.80			

50 Hz

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Cond °C	Current at 400 V, A										
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5	15.0	20.0	25.0
10.0	28.57	29.11	29.32								
15.0	29.21	29.96	30.46	30.56							
20.0	29.76	30.72	31.49	31.94	31.94						
25.0	30.25	31.39	32.43	33.22	33.63	33.52					
30.0	30.69	32.00	33.29	34.40	35.21	35.58	35.37	35.01			
35.0	31.09	32.56	34.08	35.51	36.71	37.54	37.87	37.81			
40.0	31.46	33.08	34.83	36.56	38.13	39.42	40.27	40.50			
45.0	31.82	33.58	35.54	37.56	39.49	41.22	42.59	43.10			
50.0	32.19	34.08	36.23	38.52	40.81	42.96	44.83	45.63			
55.0	32.58	34.57	36.91	39.47	42.09	44.66	47.02	48.09			
60.0		35.09	37.61	40.41	43.36	46.33	49.17	50.50			
65.0			38.32	41.36	44.62	47.98	51.28	52.88			
70.0			39.07	42.33	45.90	49.63	53.39	55.23			
75.0				43.34	47.20	51.29	55.49	57.58			
80.0				44.41	48.54	52.98	57.60	59.94			

Cond °C	Suction Mass Flow, g/s										
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5	15.0	20.0	25.0
10.0	204.00	257.00	321.00								
15.0	199.50	252.00	315.00	393.00							
20.0	195.00	246.00	309.00	386.00	477.00						
25.0	190.00	241.00	303.00	378.00	468.00	575.00					
30.0	185.50	236.00	297.00	371.00	459.00	565.00	689.00	760.00			
35.0	180.50	230.00	290.00	363.00	450.00	554.00	677.00	746.00			
40.0	175.50	224.00	284.00	355.00	441.00	543.00	664.00	732.00			
45.0	170.50	219.00	277.00	347.00	431.00	531.00	650.00	717.00			
50.0	165.50	213.00	270.00	339.00	421.00	519.00	636.00	702.00			
55.0	161.00	207.00	263.00	330.00	410.00	506.00	621.00	686.00			
60.0		201.00	256.00	321.00	400.00	493.00	605.00	669.00			
65.0			249.00	312.00	389.00	480.00	590.00	652.00			
70.0			242.00	303.00	377.00	467.00	573.00	634.00			
75.0				295.00	366.00	453.00	557.00	617.00			
80.0				287.00	356.00	440.00	541.00	600.00			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	135
Bore/Stroke, mm	75.7/57.5
Length/Width, mm	725/547
Height, mm	450
Net Weight, kg	223
Suction, inch	2 1/8
Discharge, inch	1 5/8
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Power with Sound Shell (MT), dBA	68
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	81.5
Locked Rotor Current, A	321
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Parts	Spring
CoreSense Protection (-P)	Motor protection
Oil Pressure Switch (-P)	OPS2 Electronic Switch
Next Generation CoreSense (-N)	Oil pressure, motor and discharge line temperature protection; advanced diagnostics features and power measurement

50 Hz

6MJ-45X

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ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 67/33 %
Crankcase Heater	100 W Internal
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Sound Attenuation	Sound Shell
Inverter	Emerson Industrial Automation,
Mounting Parts	Unidrive M400 07 401 000
Digital Modulation	Rubber
NG CoreSense module	33-100 %
	Modbus extension module

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00