



Minimum Evaporating Temp. With:	
— 20 °C Suction Gas Return	— 20 °C Suction Gas Return with add cooling
— 0 °C Suction Gas Return	— 0 °C Suction Gas Return with add cooling
— Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0
10.0	13.55	17.90	23.30	29.80	37.70	47.00	57.90	70.50			
15.0	12.55	16.80	22.00	28.20	35.70	44.60	54.90	66.90	80.70		
20.0		15.60	20.60	26.60	33.70	42.10	51.90	63.20	76.30	91.20	108.00
25.0		14.40	19.15	24.80	31.60	39.50	48.70	59.40	71.70	85.80	102.00
30.0			17.70	23.00	29.40	36.80	45.50	55.50	67.10	80.30	95.30
35.0				21.20	27.10	34.00	42.10	51.50	62.30	74.70	88.80
40.0				19.30	24.80	31.20	38.70	47.40	57.50	69.00	82.10
45.0					22.50	28.40	35.20	43.20	52.50	63.10	75.30
50.0						25.40	31.70	39.00	47.50	57.20	68.40
55.0						22.50	28.10	34.70	42.40	51.20	61.40
60.0							24.50	30.30	37.20	45.10	54.40
62.0							23.00	28.60	35.10	42.70	

50 Hz

6MI-40X-67%

R404A Dew Point

Cond °C	Power, kW										
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0
10.0	6.82	7.77	8.64	9.41	10.05	10.55	10.85	11.00			
15.0	7.02	8.10	9.11	10.05	10.85	11.55	12.05	12.35	12.40		
20.0		8.37	9.54	10.60	11.60	12.45	13.15	13.65	13.95	14.00	13.80
25.0		8.60	9.91	11.15	12.30	13.35	14.20	14.90	15.40	15.70	15.75
30.0			10.25	11.65	12.95	14.15	15.25	16.15	16.85	17.35	17.60
35.0				12.05	13.55	14.95	16.20	17.30	18.25	19.00	19.45
40.0				12.45	14.10	15.65	17.15	18.45	19.60	20.50	21.30
45.0					14.60	16.35	18.00	19.50	20.90	22.10	23.00
50.0						17.00	18.85	20.60	22.10	23.50	24.70
55.0						17.60	19.60	21.50	23.30	25.00	26.40
60.0							20.30	22.50	24.50	26.40	28.00
62.0							20.60	22.80	24.90	26.90	

Cond °C	Current at 400 V, A										
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0
10.0	27.89	28.25	28.69	29.14	29.58	29.94	30.18	30.26			
15.0	28.02	28.45	28.96	29.52	30.08	30.59	30.99	31.24	31.30		
20.0		28.61	29.23	29.91	30.61	31.27	31.86	32.31	32.58	32.62	32.39
25.0		28.75	29.48	30.30	31.15	31.99	32.77	33.44	33.95	34.25	34.29
30.0			29.70	30.67	31.70	32.73	33.72	34.62	35.38	35.95	36.29
35.0				31.01	32.23	33.48	34.70	35.85	36.88	37.74	38.38
40.0				31.31	32.74	34.21	35.68	37.10	38.42	39.58	40.55
45.0					33.21	34.93	36.67	38.37	39.99	41.48	42.79
50.0						35.62	37.64	39.64	41.59	43.42	45.09
55.0						36.27	38.58	40.91	43.19	45.38	47.43
60.0							39.49	42.15	44.79	47.35	49.80
62.0							39.84	42.64	45.42	48.14	

50 Hz

6MI-40X-67%

R404A Dew Point

Cond °C	Suction Mass Flow, g/s										
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0
10.0	76.00	100.50	131.00	168.50	214.00	268.00	332.00	407.00			
15.0	73.30	98.20	129.00	166.50	211.00	265.00	329.00	404.00	491.00		
20.0		95.40	126.50	163.50	208.00	262.00	325.00	399.00	486.00	587.00	705.00
25.0		92.30	123.00	160.50	205.00	258.00	320.00	394.00	480.00	581.00	698.00
30.0			119.50	156.50	201.00	253.00	315.00	388.00	473.00	574.00	691.00
35.0				152.50	196.00	248.00	309.00	381.00	466.00	566.00	683.00
40.0				147.50	190.50	241.00	302.00	373.00	457.00	557.00	674.00
45.0					184.50	235.00	294.00	365.00	448.00	547.00	665.00
50.0						227.00	286.00	356.00	439.00	537.00	655.00
55.0						219.00	277.00	346.00	429.00	528.00	647.00
60.0							268.00	337.00	420.00	520.00	641.00
62.0							265.00	334.00	417.00	518.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	80.3
Bore/Stroke, mm	71.5/57.5
Length/Width, mm	695/547
Height, mm	450
Net Weight, kg	219
Suction, inch	2 1/8
Discharge, inch	1 3/8
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 (LT), dBA	78
Sound Power (LT), dBA	89
Sound Power with Sound Shell (LT), dBA	74
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Power with Sound Shell (MT), dBA	70
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	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	71.4
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

<p>Additional Cooling Capacity Control Crankcase Heater Adapter Kit Check Valve Sound Attenuation Mounting Parts Discharge Shut-off NG CoreSense module</p>	<p>70 W Vertical Air Flow Fan Capacity Steps 67/33 % 100 W Internal For Parallel Operation For unloaded start operation Sound Shell Rubber Angle valve Modbus extension module</p>
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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	YYY	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	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00