



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	18.40	24.30	31.80	41.20	52.50	66.10	82.00			
10.0	17.30	23.00	30.30	39.30	50.10	63.10	78.30	96.00	116.50	
15.0	16.15	21.70	28.70	37.20	47.60	59.90	74.40	91.30	111.00	133.00
20.0	14.95	20.30	27.00	35.10	44.90	56.60	70.40	86.40	105.00	126.00
25.0		18.85	25.10	32.80	42.10	53.10	66.10	81.30	98.80	119.00
30.0			23.30	30.50	39.20	49.50	61.70	76.00	92.50	111.50
35.0			21.30	28.10	36.10	45.80	57.20	70.50	86.00	103.50
40.0				25.60	33.00	41.90	52.50	64.90	79.30	95.90
45.0				23.00	29.80	38.00	47.70	59.10	72.40	87.90
50.0					26.60	34.00	42.80	53.20	65.40	79.70
55.0					23.30	29.90	37.80	47.20	58.30	71.30
60.0						25.70	32.70	41.00	51.00	
62.0						24.00	30.60	38.60	48.10	

50 Hz

6MT-35X

R404A Dew Point

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	8.86	10.20	11.45	12.60	13.50	14.15	14.45			
10.0	9.33	10.80	12.30	13.65	14.80	15.75	16.35	16.60	16.35	
15.0	9.68	11.35	12.95	14.55	16.00	17.20	18.15	18.70	18.90	18.55
20.0	9.91	11.70	13.55	15.35	17.00	18.55	19.80	20.70	21.30	21.40
25.0		12.00	14.00	16.00	17.95	19.75	21.30	22.60	23.60	24.10
30.0			14.35	16.60	18.75	20.80	22.70	24.40	25.70	26.60
35.0			14.60	17.05	19.50	21.80	24.10	26.00	27.80	29.10
40.0				17.45	20.10	22.70	25.30	27.60	29.70	31.50
45.0				17.75	20.70	23.60	26.40	29.10	31.50	33.70
50.0					21.10	24.30	27.40	30.50	33.30	35.90
55.0					21.50	25.00	28.40	31.80	35.00	38.00
60.0						25.60	29.40	33.10	36.60	
62.0						25.80	29.70	33.50	37.30	

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	23.70	24.97	26.31	27.62	28.79	29.72	30.31			
10.0	24.18	25.63	27.20	28.79	30.29	31.60	32.62	33.25	33.37	
15.0	24.55	26.18	27.98	29.85	31.69	33.39	34.85	35.96	36.63	36.74
20.0	24.80	26.61	28.65	30.81	32.99	35.08	36.98	38.59	39.80	40.51
25.0		26.93	29.21	31.67	34.19	36.68	39.03	41.13	42.89	44.20
30.0			29.67	32.42	35.29	38.18	40.98	43.59	45.90	47.82
35.0			30.00	33.06	36.28	39.58	42.83	45.95	48.82	51.35
40.0				33.59	37.17	40.88	44.59	48.23	51.66	54.81
45.0				34.01	37.96	42.08	46.26	50.41	54.42	58.18
50.0					38.64	43.18	47.83	52.50	57.08	61.47
55.0					39.22	44.18	49.31	54.51	59.66	64.68
60.0						45.08	50.69	56.41	62.16	
62.0						45.41	51.21	57.15	63.13	

50 Hz

6MT-35X

R404A Dew Point

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	98.10	130.00	170.50	221.00	283.00	357.00	446.00			
10.0	95.90	128.00	168.50	219.00	281.00	355.00	443.00	546.00	667.00	
15.0	93.30	125.50	166.50	217.00	278.00	351.00	439.00	542.00	662.00	801.00
20.0	90.30	123.00	163.50	213.00	274.00	347.00	434.00	536.00	655.00	795.00
25.0		119.50	159.50	209.00	269.00	341.00	427.00	529.00	648.00	787.00
30.0			155.50	204.00	264.00	335.00	420.00	521.00	639.00	777.00
35.0			150.50	198.50	257.00	327.00	411.00	511.00	628.00	766.00
40.0				192.00	249.00	318.00	401.00	500.00	616.00	754.00
45.0				185.00	241.00	308.00	390.00	487.00	603.00	740.00
50.0					231.00	297.00	377.00	473.00	588.00	726.00
55.0					220.00	285.00	363.00	458.00	573.00	710.00
60.0						272.00	348.00	443.00	557.00	
62.0						266.00	343.00	437.00	552.00	

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	221
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 (LT), dBA	77
Sound Power (LT), dBA	88
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	73
Sound Power (MT), dBA	84
Sound Power with Sound Shell (MT), dBA	72
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	67.3
Locked Rotor Current, A	255
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Check Valve	For unloaded start operation
Mounting Parts	Rubber
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 67/33 %
Oil Pressure Switch	OPS2 Electronic Switch
Crankcase Heater	100 W Internal
Sound Attenuation	Sound Shell
Digital Modulation	33-100 %
Copeland Compressor Electronic module	Modbus extension module

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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