



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	37.20	46.80	59.50	75.30	94.10	116.00	140.50	151.00	168.00	183.00
35.0	34.50	43.40	55.30	70.10	87.90	108.50	132.00	142.50	158.50	173.00
40.0	31.70	39.90	50.90	64.90	81.70	101.50	123.50	133.50	149.00	162.50
45.0		36.20	46.50	59.50	75.30	93.80	115.00	124.50	139.00	152.00
50.0		32.30	41.70	53.90	68.70	86.20	106.50	115.00	129.00	141.50
55.0			36.70	48.00	61.80	78.30	97.30	105.50	119.00	130.50
60.0			31.30	41.70	54.60	70.00	87.90	95.70	108.50	119.50

50 Hz

6DJ-400

R407C Dew Point

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	14.40	16.10	17.80	19.50	20.90	22.10	22.70	22.80	22.70	22.50
35.0	15.55	17.35	19.30	21.20	23.00	24.50	25.50	25.80	26.00	26.00
40.0	16.60	18.50	20.60	22.80	24.90	26.70	28.10	28.60	29.10	29.30
45.0		19.50	21.80	24.20	26.50	28.60	30.50	31.10	31.90	32.40
50.0		20.20	22.70	25.20	27.90	30.30	32.60	33.30	34.40	35.10
55.0			23.20	26.00	28.90	31.70	34.30	35.20	36.50	37.50
60.0			23.50	26.50	29.60	32.70	35.60	36.70	38.30	39.40

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	34.85	36.95	39.26	41.56	43.61	45.20	46.10	46.21	46.08	45.66
35.0	36.31	38.63	41.25	43.94	46.48	48.64	50.20	50.61	50.94	50.92
40.0	37.67	40.19	43.10	46.18	49.19	51.91	54.12	54.81	55.59	55.99
45.0		41.52	44.72	48.16	51.63	54.91	57.76	58.73	59.96	60.74
50.0		42.53	46.00	49.80	53.72	57.53	61.01	62.25	63.92	65.10
55.0			46.83	50.98	55.34	59.67	63.76	65.28	67.38	68.94
60.0			47.11	51.60	56.38	61.23	65.92	67.71	70.24	72.18

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	205.00	254.00	318.00	396.00	488.00	592.00	709.00	759.00	837.00	906.00
35.0	199.00	246.00	308.00	384.00	475.00	578.00	693.00	743.00	821.00	889.00
40.0	191.50	236.00	297.00	372.00	461.00	562.00	677.00	726.00	803.00	871.00
45.0		225.00	284.00	357.00	445.00	545.00	659.00	708.00	785.00	852.00
50.0		212.00	269.00	341.00	427.00	526.00	639.00	687.00	764.00	831.00
55.0			250.00	321.00	406.00	504.00	616.00	665.00	741.00	808.00
60.0			227.00	296.00	380.00	478.00	589.00	638.00	715.00	782.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	127
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	760/580
Height, mm	545
Net Weight, kg	261
Gross Weight, kg	277
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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, dBA	75
Sound Power, dBA	86
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	83
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 66/33%
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3

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