



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	40.00	50.90	63.60	78.30	95.30	114.50	137.00	146.50	162.00	176.00
35.0	36.80	47.30	59.40	73.50	89.70	108.00	129.50	139.00	153.50	167.00
40.0	33.60	43.50	55.10	68.50	84.00	101.50	122.00	131.00	145.00	157.50
45.0		39.80	50.80	63.50	78.20	95.10	114.50	123.00	136.50	148.50
50.0		36.10	46.50	58.50	72.40	88.40	106.50	114.50	127.50	139.00
55.0			42.10	53.50	66.60	81.60	98.90	106.50	118.50	129.50
60.0			37.80	48.50	60.70	74.90	91.00	98.10	109.50	119.50
62.0				46.40	58.40	72.10	87.90	94.80	106.00	115.50

50 Hz

D6DJ-4000

R22

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	16.55	18.35	20.00	21.40	22.60	23.40	23.90	23.90	23.80	23.60
35.0	17.40	19.45	21.40	23.10	24.60	25.80	26.70	26.90	27.10	27.10
40.0	18.15	20.50	22.60	24.70	26.50	28.10	29.30	29.70	30.10	30.40
45.0		21.30	23.80	26.10	28.30	30.20	31.80	32.30	33.00	33.50
50.0		22.10	24.80	27.40	29.90	32.10	34.10	34.80	35.80	36.50
55.0			25.80	28.60	31.40	33.90	36.30	37.10	38.30	39.20
60.0			26.50	29.70	32.70	35.60	38.20	39.30	40.70	41.80
62.0				30.10	33.20	36.20	39.00	40.10	41.60	42.80

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	37.34	39.75	42.04	44.10	45.82	47.07	47.74	47.81	47.68	47.34
35.0	38.47	41.28	44.02	46.58	48.84	50.70	52.02	52.37	52.66	52.69
40.0	39.47	42.69	45.88	48.94	51.76	54.23	56.21	56.84	57.58	57.98
45.0		43.97	47.61	51.17	54.54	57.61	60.27	61.18	62.37	63.16
50.0		45.11	49.19	53.24	57.15	60.83	64.15	65.35	66.99	68.18
55.0			50.60	55.13	59.58	63.85	67.84	69.32	71.41	72.99
60.0			51.84	56.83	61.80	66.66	71.30	73.06	75.59	77.57
62.0				57.46	62.63	67.72	72.61	74.49	77.19	79.32

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	242.00	304.00	375.00	455.00	547.00	651.00	768.00	819.00	900.00	972.00
35.0	232.00	293.00	364.00	444.00	535.00	638.00	754.00	804.00	885.00	956.00
40.0	220.00	282.00	351.00	431.00	521.00	623.00	738.00	788.00	868.00	938.00
45.0		269.00	338.00	417.00	506.00	607.00	721.00	771.00	849.00	919.00
50.0		256.00	324.00	402.00	491.00	590.00	703.00	752.00	830.00	899.00
55.0			309.00	386.00	474.00	572.00	683.00	732.00	808.00	877.00
60.0			293.00	369.00	455.00	553.00	662.00	710.00	786.00	853.00
62.0				362.00	448.00	545.00	654.00	701.00	776.00	843.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /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 (MT), dBA	78
Sound Power (MT), dBA	89
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	75
Sound Power (HT), dBA	86
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 50 / 15 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	81
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	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