



Minimum Evaporating Temp. With:

- █ 25 °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									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	40.50	51.10	63.60	78.10	94.90	114.50	136.50	146.50	162.00	176.50
35.0	37.70	47.90	59.80	73.60	89.60	108.00	129.50	138.50	153.50	167.00
40.0	34.90	44.60	55.90	69.00	84.30	102.00	122.00	131.00	145.00	158.00
45.0		41.20	52.00	64.40	78.80	95.40	114.50	123.00	136.50	148.50
50.0		37.90	48.00	59.80	73.40	89.00	107.00	115.00	127.50	139.00
55.0			44.10	55.10	67.90	82.50	99.30	106.50	118.50	129.00
60.0			40.20	50.50	62.40	76.00	91.60	98.50	109.50	119.50
62.0				48.60	60.10	73.40	88.60	95.20	106.00	115.50

50 Hz

D6DJ-400X

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	16.85	18.55	20.20	21.60	22.70	23.50	23.90	23.90	23.80	23.60
35.0	17.80	19.75	21.60	23.30	24.70	25.90	26.70	26.90	27.10	27.10
40.0	18.65	20.80	22.90	24.90	26.70	28.20	29.30	29.70	30.10	30.40
45.0		21.80	24.20	26.40	28.50	30.30	31.80	32.40	33.00	33.50
50.0		22.80	25.30	27.80	30.10	32.30	34.20	34.90	35.80	36.40
55.0			26.40	29.10	31.70	34.10	36.40	37.20	38.30	39.20
60.0			27.30	30.30	33.10	35.90	38.40	39.30	40.70	41.70
62.0				30.70	33.70	36.50	39.20	40.20	41.60	42.70

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	37.71	40.05	42.28	44.28	45.95	47.16	47.78	47.83	47.68	47.32
35.0	38.97	41.69	44.34	46.83	49.03	50.82	52.08	52.40	52.66	52.66
40.0	40.15	43.24	46.32	49.28	52.01	54.39	56.29	56.89	57.58	57.95
45.0		44.70	48.20	51.62	54.88	57.84	60.38	61.25	62.37	63.11
50.0		46.05	49.95	53.83	57.60	61.13	64.30	65.44	66.99	68.11
55.0			51.58	55.90	60.15	64.24	68.03	69.44	71.41	72.89
60.0			53.07	57.81	62.54	67.15	71.55	73.21	75.59	77.44
62.0				58.53	63.44	68.26	72.89	74.65	77.19	79.18

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	215.00	272.00	340.00	420.00	514.00	623.00	751.00	808.00	900.00	985.00
35.0	207.00	264.00	331.00	410.00	503.00	611.00	737.00	793.00	885.00	968.00
40.0	199.00	255.00	321.00	399.00	491.00	597.00	722.00	777.00	868.00	950.00
45.0		246.00	311.00	388.00	478.00	583.00	706.00	760.00	849.00	930.00
50.0		235.00	300.00	375.00	464.00	567.00	688.00	742.00	830.00	909.00
55.0			288.00	362.00	449.00	551.00	669.00	722.00	808.00	887.00
60.0			275.00	348.00	433.00	533.00	649.00	701.00	786.00	863.00
62.0				342.00	427.00	525.00	641.00	693.00	776.00	852.00

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)
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	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

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

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