



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 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			86.20	107.00	131.50	160.00	192.00	206.00	229.00	249.00
35.0			81.10	101.00	124.50	151.00	182.00	195.50	217.00	236.00
40.0			76.10	95.10	117.00	142.50	171.50	184.50	205.00	223.00
45.0				89.20	110.00	134.00	161.50	173.50	192.50	210.00
50.0				83.60	103.00	125.50	151.00	162.50	180.50	196.50
55.0				78.20	96.40	117.50	141.50	152.00	169.00	184.00
60.0				73.20	90.00	109.50	131.50	141.50	157.50	
62.0				71.30	87.60	106.50	128.00	137.50		

50 Hz

D8DJ-600X

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			28.60	30.50	32.00	33.10	33.60	33.60	33.50	33.20
35.0			30.40	32.70	34.70	36.30	37.40	37.70	37.90	37.90
40.0			32.10	34.80	37.30	39.40	41.00	41.50	42.20	42.50
45.0				36.90	39.70	42.30	44.50	45.30	46.20	46.90
50.0				38.90	42.10	45.20	47.90	48.80	50.20	51.10
55.0				40.90	44.50	48.00	51.20	52.30	54.00	55.20
60.0				43.00	46.90	50.80	54.40	55.80	57.70	
62.0				43.80	47.90	51.90	55.70	57.10		

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			64.45	66.67	68.53	69.87	70.53	70.56	70.34	69.88
35.0			66.49	69.30	71.84	73.95	75.45	75.84	76.18	76.22
40.0			68.59	71.99	75.20	78.06	80.40	81.15	82.05	82.58
45.0				74.72	78.60	82.21	85.38	86.49	87.95	88.96
50.0				77.49	82.04	86.39	90.39	91.85	93.87	95.37
55.0				80.31	85.52	90.61	95.43	97.25	99.82	101.80
60.0				83.18	89.04	94.87	100.51	102.67	105.79	
62.0				84.34	90.46	96.58	102.55	104.85		

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			462.00	577.00	713.00	872.00	1057.00	1139.00	1271.00	1390.00
35.0			450.00	563.00	697.00	854.00	1036.00	1117.00	1248.00	1366.00
40.0			438.00	550.00	682.00	836.00	1015.00	1095.00	1224.00	1341.00
45.0				537.00	666.00	817.00	994.00	1073.00	1200.00	1315.00
50.0				524.00	651.00	800.00	973.00	1050.00	1175.00	1289.00
55.0				514.00	637.00	783.00	953.00	1028.00	1151.00	1263.00
60.0				504.00	625.00	767.00	933.00	1008.00	1128.00	
62.0				502.00	621.00	761.00	926.00	1000.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	181
Bore/Stroke, mm	74.7/59.2
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	331
Gross Weight, kg	352
Suction, inch	3 1/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 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	108
Locked Rotor Current, A	476
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75/50%
Oil Pressure Switch	OPS2 Electronic Switch
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
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