



Minimum Evaporating Temp. With:	
<span style="color: pink;">—</span> 20 °C Suction Gas Return ASERCOM certified	<span style="color: orange;">—</span> 25 °C Suction Gas Return
<span style="color: red;">—</span> 25 °C Suction Gas Return with add cooling	
<span style="color: blue;">—</span> Maximum Evaporating Temperature	

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	29.10	37.40	47.50	59.60	74.00	90.90	110.50	133.50			
15.0	27.00	35.20	45.00	56.60	70.40	86.60	105.50	127.00	152.00		
20.0	24.80	32.80	42.20	53.40	66.60	81.90	99.80	120.50	144.00	171.00	182.50
25.0	22.40	30.20	39.30	49.90	62.40	77.00	93.90	113.50	135.50	161.00	172.50
30.0	20.10	27.60	36.20	46.30	58.10	71.80	87.70	106.00	127.00	151.00	161.50
35.0	17.75	24.90	33.10	42.60	53.70	66.50	81.30	98.50	118.00	140.50	150.50
40.0		22.30	30.00	38.90	49.10	61.00	74.80	90.70	109.00	130.00	139.00
45.0		19.80	27.00	35.10	44.50	55.40	68.10	82.70	99.60	119.00	127.50
50.0		17.40	24.00	31.40	40.00	49.80	61.30	74.70	90.10	108.00	116.00
55.0			21.20	27.80	35.50	44.30	54.60	66.60	80.50	96.70	104.00

50 Hz

D6DJ-400X

R404A Dew Point

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	11.65	13.00	14.25	15.35	16.25	16.95	17.50	17.80			
15.0	12.10	13.70	15.20	16.50	17.60	18.55	19.30	19.85	20.20		
20.0	12.50	14.35	16.05	17.60	18.95	20.10	21.10	21.90	22.40	22.70	22.80
25.0	12.80	14.90	16.85	18.65	20.30	21.70	22.90	23.90	24.70	25.20	25.40
30.0	12.95	15.35	17.55	19.60	21.50	23.20	24.70	25.90	27.00	27.80	28.00
35.0	13.00	15.65	18.15	20.50	22.60	24.60	26.40	27.90	29.20	30.30	30.70
40.0		15.80	18.60	21.20	23.70	25.90	28.00	29.90	31.50	32.80	33.30
45.0		15.75	18.90	21.80	24.60	27.20	29.60	31.70	33.60	35.30	35.90
50.0		15.55	19.00	22.30	25.40	28.30	31.00	33.50	35.70	37.70	38.40
55.0			18.95	22.60	26.00	29.30	32.30	35.10	37.70	40.00	40.90

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	30.34	31.65	32.91	34.08	35.11	35.96	36.57	36.91			
15.0	30.81	32.37	33.89	35.34	36.65	37.79	38.70	39.35	39.67		
20.0	31.20	33.04	34.86	36.60	38.23	39.68	40.92	41.90	42.57	42.88	42.89
25.0	31.49	33.64	35.78	37.85	39.81	41.61	43.20	44.54	45.58	46.27	46.43
30.0	31.63	34.12	36.60	39.03	41.35	43.52	45.50	47.23	48.66	49.76	50.09
35.0	31.60	34.45	37.31	40.11	42.83	45.40	47.78	49.93	51.79	53.32	53.83
40.0		34.60	37.85	41.07	44.20	47.20	50.02	52.61	54.93	56.92	57.62
45.0		34.53	38.21	41.87	45.45	48.90	52.18	55.24	58.04	60.52	61.41
50.0		34.20	38.34	42.46	46.52	50.45	54.22	57.78	61.09	64.08	65.19
55.0			38.22	42.83	47.38	51.83	56.12	60.20	64.04	67.58	68.91

Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	162.00	209.00	266.00	335.00	418.00	517.00	633.00	770.00			
15.0	156.50	205.00	263.00	332.00	415.00	514.00	630.00	766.00	925.00		
20.0	150.00	199.00	258.00	327.00	410.00	508.00	624.00	759.00	918.00	1103.00	1185.00
25.0	142.50	192.50	251.00	321.00	404.00	501.00	616.00	751.00	909.00	1094.00	1176.00
30.0	134.00	185.00	244.00	313.00	395.00	492.00	606.00	740.00	898.00	1082.00	1165.00
35.0	125.50	176.50	236.00	305.00	386.00	482.00	595.00	728.00	884.00	1068.00	1151.00
40.0		167.50	227.00	295.00	375.00	470.00	581.00	713.00	869.00	1053.00	1135.00
45.0		159.00	217.00	285.00	364.00	457.00	567.00	697.00	852.00	1035.00	1118.00
50.0		150.50	208.00	275.00	352.00	443.00	552.00	680.00	834.00	1017.00	1101.00
55.0			200.00	265.00	341.00	430.00	536.00	663.00	816.00	1000.00	1084.00

**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	76
Sound Power (MT), dBA	87
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 / 55 / 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	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**

<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