



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW					
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-
20.0-	13.15	18.70	25.40	33.60		
15.0-	12.00	17.50	24.20	32.30	42.00	
10.0-	10.90	16.30	22.90	30.90	40.50	51.80
5.0-	9.81	15.15	21.60	29.50	38.90	50.00
0.0	8.75	14.00	20.30	28.00	37.20	48.10
5.0		12.80	19.00	26.50	35.40	46.00
10.0			17.65	24.90	33.50	43.80

50Hz

D6SJ-3000

R22

Cond °C	Power, kW					
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-
20.0-	4.75	5.19	5.49	5.60		
15.0-	5.01	5.63	6.13	6.45	6.55	
10.0-	5.25	6.05	6.74	7.28	7.61	7.70
5.0-	5.46	6.43	7.31	8.07	8.64	8.99
0.0	5.64	6.77	7.85	8.82	9.63	10.25
5.0		7.08	8.35	9.53	10.60	11.45
10.0			8.80	10.20	11.50	12.65

Cond °C	Current at 400 V, A					
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-
20.0-	16.18	16.52	16.76	16.84		
15.0-	16.39	16.88	17.29	17.57	17.63	
10.0-	16.58	17.22	17.81	18.30	18.61	18.67
5.0-	16.74	17.54	18.32	19.04	19.61	19.97
0.0	16.88	17.83	18.82	19.78	20.64	21.33
5.0		18.11	19.31	20.53	21.69	22.74
10.0			19.79	21.28	22.77	24.21

Cond °C	Mass Flow, g/s					
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-
20.0-	52.50	74.80	102.00	135.00		
15.0-	49.10	71.70	99.30	133.00	173.00	
10.0-	45.60	68.50	96.40	130.00	170.50	219.00
5.0-	42.10	65.10	93.20	127.00	168.00	217.00
0.0	38.60	61.60	89.80	124.00	165.00	214.00
5.0		58.00	86.20	120.50	161.00	210.00
10.0			82.30	116.00	157.00	205.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	760/565
Height, mm	545
Net Weight, kg	246
Gross Weight, kg	262
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Oil Quantity, l	6.8
Frequency Range, Hz	25 - 60
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 (18.0)
Sound Pressure @ 1m (MT), dBA	74
Sound Power (MT), dBA	85
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	24.5
Locked Rotor Current, A	218
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
Discharge Temperature Protection	Head PTC sensor
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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