



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 25 °C Suction Gas Return
- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°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	18.75	24.80	32.00	40.60	50.80	62.60	76.10	91.60			
15.0	17.55	23.30	30.20	38.40	48.00	59.10	71.90	86.50	103.00		
20.0	16.30	21.80	28.40	36.10	45.20	55.70	67.70	81.50	97.10	114.50	122.50
25.0	15.00	20.30	26.50	33.90	42.40	52.20	63.50	76.40	91.10	107.50	115.00
30.0	13.65	18.75	24.60	31.50	39.50	48.70	59.30	71.40	85.10	100.50	107.50
35.0	12.20	17.05	22.70	29.10	36.60	45.20	55.00	66.30	79.10	93.60	99.90
40.0		15.30	20.60	26.60	33.60	41.60	50.70	61.20	73.10	86.50	92.40
45.0		13.40	18.40	24.10	30.50	37.90	46.30	56.00	66.90	79.40	84.80
50.0		11.35	16.05	21.30	27.30	34.10	41.80	50.70	60.70	72.20	77.10
55.0			13.60	18.50	24.00	30.20	37.20	45.30	54.40	64.80	69.40

50 Hz

4DJ-300

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	7.81	8.69	9.49	10.15	10.65	11.00	11.05	10.80			
15.0	8.16	9.19	10.15	10.95	11.65	12.15	12.40	12.40	12.05		
20.0	8.46	9.63	10.75	11.75	12.60	13.30	13.75	13.95	13.85	13.40	13.10
25.0	8.68	10.00	11.30	12.45	13.50	14.40	15.05	15.50	15.60	15.40	15.25
30.0	8.81	10.30	11.75	13.15	14.40	15.45	16.35	17.00	17.35	17.40	17.35
35.0	8.84	10.50	12.15	13.70	15.15	16.50	17.60	18.50	19.10	19.40	19.45
40.0		10.60	12.45	14.20	15.90	17.40	18.75	19.90	20.80	21.40	21.50
45.0		10.60	12.65	14.65	16.50	18.30	19.90	21.30	22.40	23.30	23.50
50.0		10.45	12.70	14.90	17.05	19.05	20.90	22.60	24.00	25.10	25.50
55.0			12.65	15.10	17.45	19.70	21.80	23.70	25.40	26.90	27.40

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	19.70	20.54	21.38	22.13	22.72	23.08	23.14	22.83			
15.0	20.07	21.06	22.06	22.99	23.78	24.37	24.68	24.64	24.18		
20.0	20.39	21.54	22.72	23.85	24.87	25.71	26.28	26.53	26.38	25.75	25.35
25.0	20.63	21.96	23.34	24.70	25.96	27.06	27.93	28.48	28.65	28.38	28.12
30.0	20.76	22.29	23.89	25.50	27.03	28.41	29.58	30.47	30.99	31.08	30.98
35.0	20.76	22.52	24.36	26.23	28.04	29.74	31.23	32.46	33.35	33.84	33.90
40.0		22.61	24.72	26.87	28.99	31.01	32.85	34.45	35.73	36.62	36.85
45.0		22.55	24.94	27.40	29.84	32.20	34.41	36.40	38.09	39.41	39.82
50.0		22.31	25.01	27.78	30.57	33.30	35.90	38.29	40.41	42.19	42.78
55.0			24.89	28.01	31.16	34.28	37.28	40.11	42.67	44.92	45.71

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	105.00	139.50	181.00	231.00	289.00	359.00	440.00	534.00			
15.0	102.50	136.50	178.00	227.00	285.00	354.00	434.00	526.00	634.00		
20.0	99.60	134.00	175.00	224.00	281.00	348.00	427.00	519.00	625.00	748.00	803.00
25.0	96.20	130.50	171.50	220.00	276.00	343.00	421.00	511.00	617.00	739.00	793.00
30.0	92.00	127.00	167.50	215.00	272.00	337.00	414.00	504.00	608.00	729.00	783.00
35.0	86.90	122.00	163.00	210.00	266.00	331.00	407.00	496.00	599.00	720.00	774.00
40.0		116.00	157.00	205.00	260.00	324.00	399.00	487.00	590.00	710.00	764.00
45.0		109.00	150.00	197.50	252.00	316.00	391.00	478.00	580.00	700.00	754.00
50.0		99.50	141.50	189.00	244.00	307.00	382.00	468.00	570.00	691.00	745.00
55.0			130.50	178.50	234.00	297.00	371.00	458.00	561.00	683.00	738.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, m <sup>3</sup> /h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	690/535
Height, mm	495
Net Weight, kg	214
Gross Weight, kg	230
Suction, inch	2 1/8
Discharge, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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, dBA	74
Sound Power, dBA	85
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	52.5
Locked Rotor Current, A	221
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

### **ACCESSORIES OPTIONAL**

<p>Additional Cooling Capacity Control Crankcase Heater Enclosure Class Oil Pressure Switch Unloaded start Deep Oil Sump Adapter Kit Check Valve Oil Control System</p>	<p>70 W Vertical Air Flow Fan Capacity Steps 50% 100 W Internal IP 56 OPS2 Electronic Switch Available Mounted For Parallel Operation For unloaded start operation ALCO Trax-Oil OM3</p>
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### **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