



Minimum Evaporating Temp. With:	
<span style="color: pink;">—</span> 20 °C Suction Gas Return ASERCOM certified	<span style="color: yellow;">—</span> 20 °C Suction Gas Return
<span style="color: brown;">—</span> 0 °C Suction Gas Return	<span style="color: red;">—</span> 0 °C Suction Gas Return with add cooling
<span style="color: blue;">—</span> Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			36.00	46.70	59.70	75.00	92.70			
10.0			33.90	44.30	56.70	71.30	88.30	107.50	130.00	154.50
15.0			31.80	41.70	53.60	67.60	83.70	102.50	123.50	147.00
20.0			29.60	39.10	50.40	63.70	79.00	96.70	116.50	139.00
25.0			27.30	36.30	47.10	59.60	74.20	90.90	110.00	131.00
30.0			25.00	33.50	43.70	55.50	69.30	85.00	103.00	123.00
35.0			22.70	30.70	40.20	51.30	64.20	78.90	95.60	114.50
40.0				27.80	36.70	47.00	59.00	72.70	88.30	106.00
45.0					33.10	42.70	53.80	66.50	80.90	97.30
50.0					29.50	38.30	48.40	60.10	73.40	88.50
55.0						33.90	43.10	53.70	65.80	79.50
60.0						29.40	37.60	47.10	58.10	
62.0							35.40	44.50	54.90	

50 Hz

8DL-370

R404A Dew Point

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			13.40	14.55	15.50	16.30	16.90			
10.0			13.95	15.35	16.60	17.65	18.50	19.05	19.40	19.45
15.0			14.50	16.15	17.65	19.00	20.10	21.00	21.60	22.00
20.0			15.05	16.95	18.75	20.30	21.80	22.90	23.90	24.50
25.0			15.50	17.70	19.75	21.70	23.40	24.90	26.10	27.10
30.0			15.90	18.40	20.70	22.90	25.00	26.80	28.40	29.70
35.0			16.20	19.00	21.60	24.10	26.50	28.60	30.60	32.20
40.0				19.45	22.40	25.20	27.90	30.40	32.70	34.70
45.0					23.00	26.20	29.20	32.10	34.70	37.10
50.0					23.50	27.00	30.40	33.60	36.60	39.40
55.0						27.70	31.40	34.90	38.30	41.50
60.0						28.10	32.20	36.10	39.90	
62.0							32.40	36.50	40.50	

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			33.65	34.82	35.88	36.76	37.37			
10.0			34.16	35.60	36.96	38.17	39.15	39.83	40.13	39.98
15.0			34.71	36.44	38.13	39.69	41.06	42.16	42.92	43.26
20.0			35.28	37.33	39.35	41.30	43.07	44.62	45.84	46.69
25.0			35.82	38.19	40.59	42.93	45.14	47.14	48.86	50.23
30.0			36.28	39.01	41.79	44.55	47.21	49.69	51.93	53.85
35.0			36.62	39.73	42.91	46.11	49.24	52.23	55.01	57.49
40.0				40.30	43.92	47.58	51.20	54.72	58.05	61.12
45.0					44.76	48.90	53.04	57.10	61.01	64.70
50.0					45.39	50.03	54.71	59.34	63.85	68.17
55.0						50.94	56.17	61.39	66.52	71.50
60.0						51.58	57.38	63.21	68.99	
62.0							57.79	63.87	69.91	

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			194.50	253.00	324.00	409.00	508.00			
10.0			190.50	249.00	320.00	405.00	503.00	618.00	750.00	900.00
15.0			186.00	245.00	316.00	400.00	498.00	612.00	743.00	894.00
20.0			181.00	240.00	310.00	394.00	492.00	605.00	736.00	886.00
25.0			175.50	234.00	304.00	387.00	484.00	597.00	727.00	877.00
30.0			169.00	227.00	297.00	379.00	476.00	588.00	718.00	867.00
35.0			162.00	220.00	289.00	371.00	467.00	578.00	707.00	856.00
40.0				212.00	280.00	361.00	456.00	567.00	695.00	844.00
45.0					270.00	351.00	445.00	555.00	683.00	831.00
50.0					260.00	339.00	433.00	542.00	670.00	818.00
55.0						327.00	420.00	529.00	656.00	805.00
60.0						315.00	408.00	517.00	645.00	
62.0							403.00	513.00	642.00	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m <sup>3</sup> /h	151
Bore/Stroke, mm	68.3/59.2
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	323
Gross Weight, kg	344
Suction, inch	2 5/8
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)
Sound Pressure @ 1m, dBA	76.7
Sound Power, dBA	87.7
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	74.3
Locked Rotor Current, A	349
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 75%
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start 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
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