



Minimum Evaporating Temp. With:

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

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	18.80	24.80	32.10	40.70	50.90	62.70	76.30	91.80			
15.0	17.60	23.40	30.30	38.50	48.10	59.30	72.10	86.70	103.50		
20.0	16.35	21.90	28.50	36.30	45.30	55.80	67.90	81.70	97.30	115.00	122.50
25.0	15.05	20.40	26.60	34.00	42.50	52.40	63.70	76.70	91.40	108.00	115.00
30.0	13.70	18.80	24.70	31.60	39.70	48.90	59.50	71.70	85.40	101.00	107.50
35.0	12.25	17.15	22.80	29.30	36.80	45.40	55.30	66.60	79.40	94.00	100.50
40.0		15.40	20.70	26.80	33.80	41.80	51.00	61.50	73.40	86.90	92.80
45.0		13.50	18.50	24.20	30.70	38.10	46.60	56.30	67.30	79.80	85.30
50.0		11.45	16.20	21.50	27.50	34.30	42.10	51.00	61.20	72.70	77.70
55.0			13.75	18.65	24.20	30.40	37.50	45.60	54.90	65.40	70.00

50 Hz

D4DJ-300X

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	104.50	138.50	180.00	229.00	288.00	357.00	437.00	530.00			
15.0	102.00	136.00	177.00	226.00	284.00	351.00	431.00	523.00	629.00		
20.0	99.00	133.00	174.00	222.00	279.00	346.00	424.00	515.00	620.00	742.00	796.00
25.0	95.60	130.00	170.50	218.00	275.00	341.00	418.00	508.00	612.00	733.00	786.00
30.0	91.50	126.00	166.50	214.00	270.00	335.00	411.00	500.00	603.00	723.00	776.00
35.0	86.50	121.50	162.00	209.00	264.00	329.00	404.00	492.00	594.00	713.00	767.00
40.0		115.50	156.00	203.00	258.00	322.00	396.00	483.00	585.00	704.00	757.00
45.0		108.50	149.50	196.50	251.00	314.00	388.00	474.00	576.00	694.00	747.00
50.0		99.20	141.00	188.00	242.00	305.00	379.00	465.00	566.00	685.00	738.00
55.0			130.00	177.50	232.00	295.00	369.00	455.00	556.00	677.00	731.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /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

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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