



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	9.52	12.40	15.75	19.70	24.20	29.40	35.50	38.10	42.40	46.20
35.0	8.76	11.50	14.75	18.50	22.80	27.80	33.50	36.00	40.10	43.70
40.0	8.04	10.65	13.70	17.30	21.40	26.10	31.60	34.00	37.80	41.30
45.0		9.84	12.75	16.10	20.00	24.50	29.70	31.90	35.60	38.80
50.0		9.06	11.80	15.00	18.70	22.90	27.80	29.90	33.30	36.40
55.0			10.90	13.90	17.40	21.40	25.90	27.90	31.10	34.00
60.0			10.10	12.90	16.15	19.85	24.10	26.00	28.90	
62.0				12.50	15.65	19.25	23.40	25.20		

50 Hz

D3DA-75X

R22

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	4.24	4.63	4.95	5.20	5.34	5.37	5.25	5.16	4.98	4.77
35.0	4.36	4.83	5.23	5.57	5.81	5.95	5.96	5.92	5.82	5.68
40.0	4.47	5.00	5.49	5.91	6.25	6.50	6.63	6.64	6.62	6.56
45.0		5.16	5.72	6.23	6.67	7.02	7.27	7.33	7.39	7.40
50.0		5.31	5.94	6.53	7.06	7.51	7.87	7.99	8.12	8.20
55.0			6.16	6.82	7.44	7.99	8.45	8.61	8.82	8.96
60.0			6.37	7.11	7.81	8.45	9.02	9.22	9.50	
62.0				7.23	7.95	8.63	9.24	9.46		

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	9.37	9.92	10.38	10.73	10.93	10.97	10.81	10.68	10.41	10.11
35.0	9.54	10.20	10.78	11.26	11.62	11.82	11.83	11.78	11.63	11.43
40.0	9.69	10.45	11.15	11.76	12.27	12.63	12.82	12.84	12.81	12.72
45.0		10.67	11.49	12.23	12.88	13.40	13.77	13.87	13.96	13.97
50.0		10.89	11.81	12.68	13.47	14.15	14.69	14.86	15.06	15.18
55.0			12.12	13.11	14.03	14.86	15.57	15.81	16.13	16.34
60.0			12.44	13.54	14.59	15.56	16.42	16.74	17.16	
62.0				13.72	14.81	15.83	16.76	17.10		

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	50.50	66.10	84.40	106.00	131.00	160.50	195.00	210.00	235.00	258.00
35.0	48.20	63.60	81.70	103.00	128.00	157.00	191.00	206.00	231.00	253.00
40.0	45.80	61.00	78.90	100.00	124.50	153.50	187.00	202.00	226.00	248.00
45.0		58.60	76.20	97.00	121.50	149.50	183.00	197.50	222.00	244.00
50.0		56.20	73.60	94.10	118.00	146.00	178.50	193.50	217.00	238.00
55.0			71.20	91.40	115.00	142.50	174.50	189.00	212.00	233.00
60.0			69.10	88.90	112.00	139.00	170.50	185.00	208.00	
62.0				88.00	111.00	138.00	169.50	183.50		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	32.2
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	152
Gross Weight, kg	163
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.5
Locked Rotor Current, A	106
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00