



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	5.23	6.94	8.94	11.25	13.95	17.05	20.60	22.20	24.70	27.00
35.0	4.74	6.38	8.30	10.55	13.10	16.10	19.50	21.00	23.40	25.60
40.0	4.24	5.82	7.65	9.79	12.25	15.10	18.40	19.80	22.10	24.20
45.0		5.26	7.01	9.06	11.40	14.15	17.25	18.60	20.80	22.80
50.0		4.71	6.38	8.32	10.55	13.15	16.10	17.40	19.50	21.40
55.0			5.76	7.60	9.73	12.20	15.00	16.20	18.20	19.95
60.0			5.15	6.89	8.90	11.20	13.85	15.00	16.85	18.55
62.0				6.61	8.57	10.80	13.40	14.55	16.35	17.95

50 Hz

D2DD-50X

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	2.36	2.61	2.83	3.00	3.11	3.15	3.10	3.06	2.97	2.86
35.0	2.42	2.72	2.98	3.21	3.38	3.49	3.52	3.51	3.46	3.39
40.0	2.45	2.80	3.12	3.40	3.63	3.81	3.91	3.93	3.93	3.91
45.0		2.86	3.23	3.57	3.86	4.10	4.28	4.33	4.38	4.40
50.0		2.90	3.32	3.72	4.07	4.38	4.63	4.71	4.81	4.87
55.0			3.40	3.85	4.26	4.63	4.95	5.06	5.21	5.31
60.0			3.45	3.96	4.43	4.87	5.26	5.40	5.59	5.73
62.0				4.00	4.49	4.96	5.37	5.53	5.74	5.89

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	5.51	5.82	6.08	6.29	6.43	6.48	6.43	6.37	6.25	6.12
35.0	5.58	5.94	6.27	6.56	6.78	6.92	6.96	6.95	6.89	6.80
40.0	5.62	6.04	6.44	6.80	7.11	7.34	7.48	7.50	7.51	7.48
45.0		6.12	6.59	7.03	7.41	7.74	7.97	8.04	8.11	8.14
50.0		6.17	6.71	7.22	7.69	8.11	8.45	8.56	8.69	8.78
55.0			6.80	7.39	7.95	8.46	8.90	9.05	9.25	9.39
60.0			6.87	7.54	8.18	8.78	9.32	9.51	9.78	9.98
62.0				7.59	8.27	8.90	9.48	9.69	9.99	10.21

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	27.80	37.00	47.80	60.60	75.50	93.00	113.50	122.50	137.50	150.50
35.0	26.00	35.20	46.00	58.70	73.50	90.90	111.00	120.00	135.00	148.50
40.0	24.20	33.30	44.00	56.60	71.40	88.70	109.00	118.00	132.50	145.50
45.0		31.30	42.00	54.50	69.10	86.30	106.50	115.50	130.00	143.00
50.0		29.20	39.80	52.20	66.80	83.80	103.50	112.50	127.00	140.00
55.0			37.60	49.90	64.40	81.20	101.00	110.00	124.00	137.00
60.0			35.30	47.50	61.80	78.60	98.20	107.00	121.00	134.00
62.0				46.50	60.80	77.50	97.00	105.50	120.00	132.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	19.3
Bore/Stroke, mm	63.6/35.0
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	132
Gross Weight, kg	141
Rotalock Discharge, inch	7/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.3
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	295 x 279 (14)
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	10.3
Locked Rotor Current, A	55
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
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