



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	3.78	5.10	6.71	8.65	10.95	13.60	16.70	20.20	24.20
25.0	3.40	4.65	6.17	7.99	10.15	12.65	15.55	18.85	22.60
30.0	3.04	4.21	5.64	7.35	9.36	11.70	14.45	17.55	21.10
35.0	2.69	3.79	5.12	6.71	8.58	10.80	13.30	16.20	19.50
40.0	2.34	3.37	4.60	6.08	7.82	9.85	12.20	14.90	18.00
45.0	2.01	2.96	4.10	5.45	7.06	8.94	11.10	13.60	
50.0		2.55	3.60	4.84	6.31	8.03	10.05		
55.0		2.16	3.11	4.23	5.57	7.13			

50 Hz

DLHA-50X

R404A Dew Point

Cond °C	Power, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	2.66	3.07	3.48	3.87	4.23	4.57	4.87	5.12	5.33
25.0	2.67	3.13	3.59	4.04	4.46	4.87	5.24	5.57	5.86
30.0	2.66	3.16	3.67	4.17	4.65	5.12	5.56	5.96	6.33
35.0	2.63	3.17	3.71	4.26	4.80	5.33	5.83	6.31	6.76
40.0	2.57	3.15	3.73	4.33	4.92	5.50	6.07	6.62	7.13
45.0	2.50	3.11	3.73	4.37	5.01	5.64	6.27	6.88	
50.0		3.06	3.71	4.39	5.07	5.76	6.44		
55.0		2.99	3.68	4.39	5.11	5.84			

Cond °C	Current at 400 V, A								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	7.02	7.39	7.81	8.23	8.64	8.99	9.27	9.43	9.46
25.0	6.96	7.37	7.84	8.33	8.83	9.29	9.69	9.99	10.18
30.0	6.93	7.37	7.88	8.44	9.02	9.58	10.09	10.53	10.87
35.0	6.91	7.37	7.93	8.54	9.19	9.85	10.48	11.05	11.53
40.0	6.90	7.37	7.96	8.63	9.35	10.09	10.83	11.52	12.15
45.0	6.88	7.36	7.98	8.69	9.47	10.30	11.13	11.94	
50.0		7.33	7.96	8.72	9.56	10.46	11.38		
55.0		7.26	7.91	8.70	9.59	10.56			

Cond °C	Suction Mass Flow, g/s								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	22.80	30.90	40.80	52.80	67.10	83.90	103.50	126.00	152.50
25.0	21.60	29.50	39.30	51.10	65.20	81.80	101.00	123.50	149.50
30.0	20.30	28.10	37.80	49.40	63.30	79.70	98.90	121.00	147.00
35.0	18.90	26.70	36.20	47.70	61.40	77.50	96.50	118.50	144.00
40.0	17.50	25.20	34.60	45.90	59.40	75.30	94.10	116.00	141.50
45.0	15.95	23.60	32.90	44.00	57.30	73.00	91.60	113.50	
50.0		22.00	31.10	42.10	55.20	70.80	89.20		
55.0		20.20	29.30	40.10	53.10	68.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	26.6
Bore/Stroke, mm	61.9/50.8
Length/Width, mm	515/330
Height, mm	385
Net Weight, kg	95
Gross Weight, kg	101
Suction, inch	1 1/8
Discharge, inch	7/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	1.6
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	295 x 279 (14)
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	12.4
Locked Rotor Current, A	85.3
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Unloaded start	Available
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
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