



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return + fan
- 20 K suction Superheat + fan
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW								
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0	3.51	4.80	6.36	8.23	10.45	13.05	16.10	19.60	23.60
15.0	3.21	4.44	5.94	7.73	9.86	12.35	15.25	18.65	22.50
20.0	2.92	4.10	5.53	7.24	9.27	11.65	14.45	17.70	21.40
25.0	2.63	3.76	5.12	6.76	8.70	11.00	13.65	16.75	20.30
30.0	2.35	3.43	4.74	6.29	8.14	10.30	12.85	15.80	
35.0	2.08	3.12	4.36	5.84	7.60	9.67			
40.0		2.82	4.00	5.40	7.07				
45.0		2.54	3.65	4.98					
50.0			3.33	4.58					
55.0			3.02	4.20					

50Hz

D2SC-55X Air

R22

Cond °C	Power, kW								
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0	1.96	2.27	2.55	2.78	2.96	3.07	3.09	3.02	2.84
15.0	2.03	2.37	2.69	2.98	3.22	3.40	3.51	3.52	3.43
20.0	2.06	2.44	2.81	3.15	3.46	3.70	3.89	3.99	4.00
25.0	2.08	2.50	2.91	3.30	3.66	3.98	4.24	4.43	4.53
30.0	2.08	2.53	2.98	3.43	3.85	4.23	4.57	4.84	
35.0	2.07	2.55	3.04	3.54	4.01	4.47			
40.0		2.56	3.09	3.63	4.16				
45.0		2.56	3.13	3.71					
50.0			3.16	3.79					
55.0			3.19	3.86					

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-
10.0	5.02	5.47	5.83	6.08	6.25	6.32	6.30	6.19	5.98
15.0	5.15	5.62	6.02	6.35	6.60	6.77	6.87	6.90	6.86
20.0	5.23	5.73	6.18	6.56	6.89	7.17	7.39	7.55	7.67
25.0	5.28	5.81	6.29	6.74	7.15	7.52	7.85	8.15	8.42
30.0	5.30	5.85	6.37	6.88	7.36	7.83	8.28	8.71	
35.0	5.31	5.87	6.43	6.99	7.54	8.10			
40.0		5.88	6.47	7.08	7.70				
45.0		5.87	6.50	7.15					
50.0			6.52	7.22					
55.0			6.55	7.30					

Cond °C	Mass Flow, g/s								
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0	16.35	22.40	29.70	38.50	49.10	61.50	76.10	93.10	112.50
15.0	15.40	21.30	28.50	37.20	47.60	59.90	74.30	91.10	110.50
20.0	14.40	20.20	27.40	35.90	46.20	58.30	72.50	89.10	108.50
25.0	13.35	19.15	26.20	34.60	44.70	56.60	70.70	87.10	106.00
30.0	12.35	18.10	25.00	33.30	43.20	55.00	68.90	85.10	
35.0	11.35	17.00	23.80	32.00	41.80	53.40			
40.0		15.95	22.70	30.70	40.30				
45.0		14.90	21.50	29.40					
50.0			20.40	28.20					
55.0			19.35	27.00					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	26.8
Bore/Stroke, mm	60.3/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	91
Gross Weight, kg	96
Suction, inch	1 1/8
Discharge, inch	7/8
Oil Quantity, l	2.4
Frequency Range, Hz	25 - 60
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 (14.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	13.1
Locked Rotor Current, A	74.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

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
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
EWN	250-280 V / 3~ / 60 Hz	265	Y/DELTA	DELTA	1.73
EWN	440-480 V / 3~ / 60 Hz	460		Y	1.00
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00