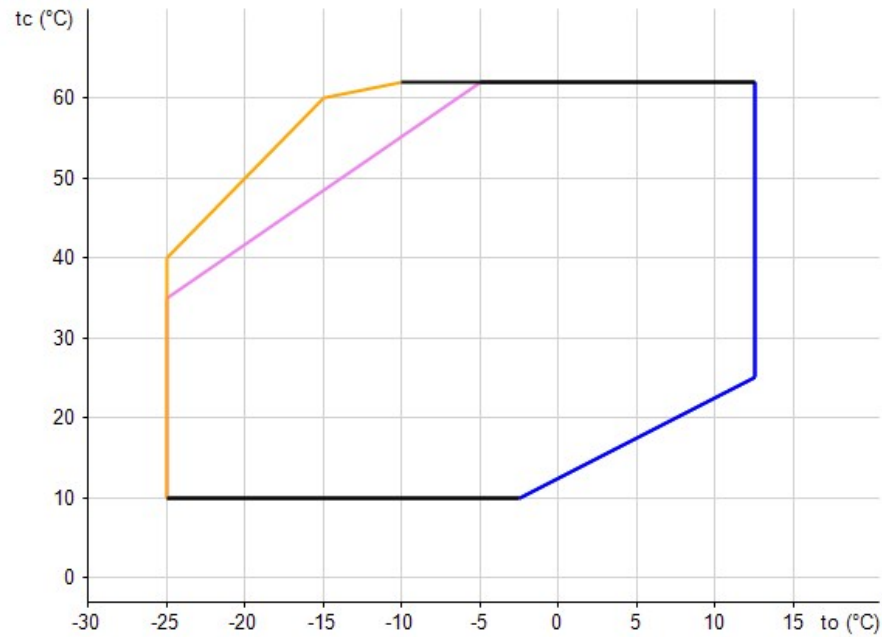




Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 20 K Suction Superheat
- 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
10.0	7.43	9.55	12.10	15.20	18.80					
15.0	7.02	9.07	11.55	14.50	18.00	22.00				
20.0	6.59	8.58	10.95	13.80	17.15	21.00	25.50	27.50		
25.0	6.17	8.08	10.35	13.10	16.30	20.00	24.30	26.20	29.20	31.90
30.0	5.75	7.58	9.77	12.35	15.40	18.95	23.00	24.80	27.70	30.30
35.0	5.33	7.08	9.16	11.60	14.50	17.85	21.70	23.40	26.20	28.60
40.0		6.59	8.56	10.90	13.60	16.75	20.40	22.00	24.60	26.90
45.0			7.97	10.15	12.70	15.65	19.10	20.60	23.00	25.20
50.0				9.43	11.80	14.60	17.80	19.20	21.50	23.50
55.0				8.73	10.95	13.50	16.45	17.75	19.85	21.80
60.0					10.10	12.45	15.15	16.35	18.30	20.00
62.0					9.74	12.00	14.65	15.80	17.65	19.30

50 Hz	D2SA-55X	R22
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Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	2.39	2.51	2.59	2.65	2.74					
15.0	2.63	2.78	2.88	2.96	3.05	3.17				
20.0	2.84	3.03	3.17	3.28	3.38	3.50	3.66	3.75		
25.0	3.02	3.27	3.45	3.59	3.71	3.85	4.01	4.09	4.24	4.38
30.0	3.16	3.48	3.71	3.90	4.05	4.21	4.39	4.47	4.61	4.75
35.0	3.27	3.65	3.95	4.19	4.39	4.58	4.77	4.86	5.01	5.15
40.0		3.80	4.17	4.47	4.72	4.95	5.18	5.27	5.43	5.58
45.0			4.35	4.72	5.03	5.31	5.58	5.70	5.87	6.03
50.0				4.95	5.33	5.67	5.99	6.12	6.32	6.50
55.0				5.14	5.61	6.02	6.40	6.55	6.78	6.97
60.0					5.85	6.35	6.80	6.97	7.23	7.45
62.0					5.94	6.47	6.95	7.14	7.41	7.65

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
10.0	6.18	6.10	5.96	5.77	5.52					
15.0	6.37	6.38	6.35	6.25	6.10	5.89				
20.0	6.53	6.65	6.71	6.71	6.66	6.55	6.39	6.30		
25.0	6.66	6.88	7.04	7.14	7.19	7.18	7.12	7.07	6.99	6.91
30.0	6.78	7.09	7.35	7.55	7.70	7.79	7.82	7.82	7.80	7.76
35.0	6.86	7.27	7.63	7.93	8.18	8.37	8.50	8.54	8.58	8.59
40.0		7.43	7.89	8.29	8.63	8.92	9.15	9.23	9.33	9.39
45.0			8.12	8.62	9.06	9.45	9.78	9.90	10.05	10.17
50.0				8.92	9.47	9.95	10.38	10.54	10.75	10.92
55.0				9.20	9.84	10.43	10.96	11.15	11.43	11.64
60.0					10.20	10.88	11.51	11.74	12.08	12.34
62.0					10.33	11.05	11.72	11.97	12.33	12.61

50 Hz

D2SA-55X

R22

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
10.0	34.90	45.00	57.30	72.10	89.70					
15.0	33.90	44.00	56.20	70.90	88.40	109.00				
20.0	32.80	42.90	55.00	69.60	86.90	107.50	131.00	142.00		
25.0	31.70	41.70	53.70	68.10	85.20	105.50	129.00	139.50	156.50	172.00
30.0	30.50	40.40	52.30	66.50	83.40	103.50	126.50	137.00	154.00	169.00
35.0	29.30	39.10	50.80	64.80	81.40	101.00	124.00	134.00	150.50	166.00
40.0		37.70	49.20	62.90	79.20	98.40	121.00	131.00	147.50	162.00
45.0			47.70	61.10	77.00	95.70	117.50	127.50	143.50	158.00
50.0				59.20	74.60	92.90	114.50	124.00	139.50	154.00
55.0				57.30	72.30	90.00	111.00	120.50	135.50	149.50
60.0					70.00	87.10	107.50	116.50	131.00	144.50
62.0					69.10	85.90	106.00	115.00	129.50	142.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	22.4
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	90
Gross Weight, kg	95
Suction, inch	1 1/8
Discharge, inch	7/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.4
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	13.1
Locked Rotor Current, A	67.3
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch
Mounting Springs

OPS2 Sensor
4

ACCESSORIES OPTIONAL

Adapter Kit
Additional Cooling
Oil Pressure Switch
Unloaded start
Crankcase Heater
Check Valve

For Parallel Operation
70 W Vertical Air Flow Fan
OPS2 Electronic Switch
Available
70 W Internal
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