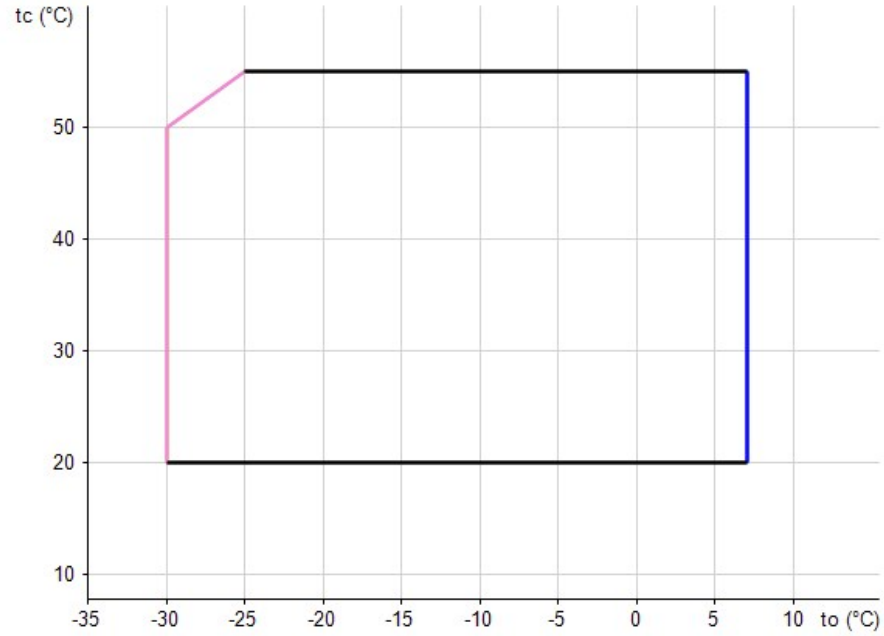
50 Hz | D2SA-55X | R404A Dew Point



Minimum Evaporating Temp. With:

20 °C Suction Gas Return ASERCOM certified

25 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Return Temperature 20.0°C | Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW								
°C	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	6.75	8.66	10.95	13.65	16.85	20.50	24.60	29.30	31.30
25.0	6.25	8.05	10.20	12.75	15.70	19.10	23.00	27.40	29.30
30.0	5.73	7.44	9.47	11.85	14.60	17.75	21.40	25.40	27.20
35.0	5.22	6.82	8.71	10.90	13.45	16.40	19.70	23.50	25.10
40.0	4.70	6.19	7.94	9.97	12.30	15.00	18.00	21.50	23.00
45.0	4.17	5.56	7.16	9.01	11.15	13.55	16.35	19.45	20.80
50.0	3.64	4.92	6.38	8.05	9.96	12.15	14.60	17.45	18.65
55.0		4.27	5.58	7.07	8.76	10.70	12.90	15.35	16.45

50 Hz | D2SA-55X | R404A Dew Point

Cond	Power, kW								
°C	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	3.00	3.32	3.60	3.84	4.05	4.23	4.38	4.52	4.56
25.0	3.09	3.46	3.78	4.06	4.31	4.53	4.72	4.89	4.95
30.0	3.18	3.60	3.97	4.30	4.60	4.86	5.09	5.30	5.38
35.0	3.26	3.74	4.16	4.55	4.89	5.20	5.49	5.75	5.84
40.0	3.32	3.85	4.34	4.78	5.18	5.55	5.89	6.20	6.32
45.0	3.33	3.93	4.48	4.99	5.46	5.89	6.28	6.65	6.80
50.0	3.29	3.96	4.59	5.16	5.70	6.19	6.66	7.09	7.26
55.0		3.93	4.63	5.28	5.89	6.46	7.00	7.50	7.70

Cond	Current at 400 V, A								
°C	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	6.77	7.14	7.50	7.83	8.14	8.42	8.69	8.94	9.03
25.0	6.47	6.87	7.25	7.61	7.95	8.26	8.54	8.81	8.90
30.0	6.51	6.97	7.40	7.81	8.19	8.54	8.86	9.16	9.27
35.0	6.75	7.28	7.78	8.25	8.69	9.10	9.49	9.84	9.97
40.0	7.01	7.63	8.22	8.77	9.30	9.79	10.25	10.68	10.84
45.0	7.13	7.86	8.55	9.21	9.84	10.43	10.99	11.51	11.71
50.0	6.94	7.80	8.62	9.41	10.15	10.86	11.54	12.17	12.41
55.0		7.29	8.26	9.19	10.08	10.92	11.73	12.50	12.79

Cond	Suction Mass Flow, g/s								
°C	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	41.20	53.10	67.50	84.80	105.00	129.00	157.00	189.00	203.00
25.0	40.00	51.80	66.00	83.00	103.00	126.50	154.00	186.00	200.00
30.0	38.60	50.30	64.40	81.10	101.00	124.00	151.00	182.00	196.00
35.0	37.10	48.80	62.60	79.10	98.40	121.00	147.50	178.00	192.00
40.0	35.50	47.00	60.70	76.80	95.70	118.00	143.50	174.00	187.50
45.0	33.60	45.10	58.60	74.30	92.70	114.50	139.50	169.00	182.50
50.0	31.60	43.00	56.20	71.60	89.50	110.50	135.00	164.00	177.50
55.0		40.70	53.70	68.60	86.10	106.50	130.50	159.00	172.00

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	3922
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	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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