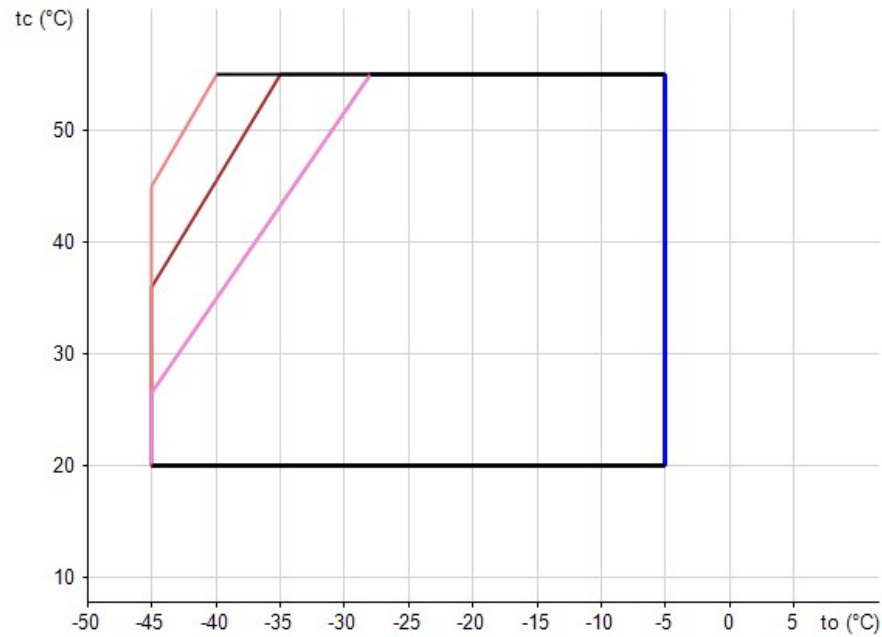




Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- 0 °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	6.58	8.92	11.80	15.25	19.35	24.20	29.80	36.30	43.70
25.0	5.88	8.13	10.85	14.10	17.95	22.50	27.80	33.90	40.90
30.0		7.35	9.93	13.00	16.60	20.90	25.80	31.50	38.10
35.0		6.60	9.03	11.90	15.25	19.25	23.80	29.20	35.30
40.0			8.15	10.80	13.95	17.60	21.90	26.80	32.50
45.0				9.77	12.65	16.05	19.95	24.50	29.70
50.0				8.73	11.35	14.45	18.05	22.20	27.00
55.0					10.10	12.90	16.15	19.90	24.30

50 Hz

D3SS-100X

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	4.26	5.04	5.85	6.66	7.44	8.15	8.77	9.25	9.55
25.0	4.29	5.09	5.95	6.85	7.73	8.58	9.35	10.00	10.55
30.0		5.13	6.03	6.99	7.97	8.94	9.86	10.70	11.40
35.0		5.17	6.10	7.11	8.18	9.25	10.30	11.30	12.20
40.0			6.17	7.22	8.35	9.52	10.70	11.85	12.90
45.0				7.34	8.52	9.77	11.05	12.35	13.55
50.0				7.46	8.69	10.00	11.40	12.80	14.15
55.0					8.88	10.25	11.70	13.20	14.75

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	10.62	11.58	12.59	13.63	14.67	15.72	16.74	17.72	18.66
25.0	10.70	11.72	12.80	13.93	15.09	16.27	17.45	18.61	19.74
30.0		11.81	12.97	14.19	15.47	16.78	18.11	19.45	20.78
35.0		11.85	13.09	14.41	15.80	17.25	18.75	20.26	21.79
40.0			13.16	14.58	16.10	17.69	19.34	21.04	22.77
45.0				14.71	16.35	18.08	19.90	21.78	23.72
50.0				14.80	16.56	18.44	20.42	22.49	24.63
55.0					16.73	18.76	20.91	23.16	25.51

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	39.80	54.10	71.60	92.90	118.50	149.00	185.00	227.00	276.00
25.0	37.20	51.60	69.10	90.20	115.50	145.50	181.00	222.00	271.00
30.0		49.10	66.50	87.40	112.50	142.00	177.00	218.00	266.00
35.0		46.60	63.90	84.60	109.00	138.50	172.50	213.00	261.00
40.0			61.30	81.70	106.00	134.50	168.50	209.00	256.00
45.0				78.80	102.50	131.00	164.50	204.00	251.00
50.0				75.90	99.50	127.50	160.50	199.50	246.00
55.0					96.40	124.00	156.50	195.50	242.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m³/h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	162
Gross Weight, kg	177
Suction, inch	1 3/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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	381 x 305 (18)
Sound Pressure @ 1m (LT), dBA	64
Sound Power (LT), dBA	75
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
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	26
Locked Rotor Current, A	109
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
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
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	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
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00