



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- ▨ Limited superheat 20 K
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 0 °C Suction Gas Return with add cooling
- | Voltage limit ± 5% above -20°C

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
10.0	13.50	18.05	23.70	30.60	38.80				
15.0	12.40	16.80	22.20	28.80	36.50	45.60			
20.0	11.35	15.55	20.70	26.90	34.20	42.90	52.80		
25.0		14.25	19.15	25.00	31.90	40.00	49.40	60.20	
30.0		13.00	17.55	23.10	29.50	37.20	46.00	56.10	67.70
35.0			16.00	21.10	27.20	34.20	42.50	52.00	62.80
40.0			14.45	19.15	24.70	31.30	38.90	47.70	57.80
45.0				17.20	22.30	28.30	35.30	43.40	52.70
50.0				15.25	19.85	25.30	31.70	39.10	47.60
55.0					17.40	22.30	28.00	34.70	42.50

50 Hz

D4ST-200X

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
10.0	6.71	7.76	8.78	9.75	10.65				
15.0	6.78	7.95	9.10	10.20	11.25	12.25			
20.0	6.83	8.11	9.39	10.65	11.90	13.05	14.15		
25.0		8.25	9.66	11.05	12.45	13.80	15.10	16.35	
30.0		8.35	9.88	11.45	13.00	14.50	16.00	17.45	18.85
35.0			10.05	11.75	13.45	15.15	16.85	18.50	20.10
40.0			10.15	12.00	13.85	15.75	17.60	19.45	21.30
45.0				12.15	14.20	16.20	18.30	20.40	22.40
50.0				12.25	14.40	16.65	18.90	21.10	23.40
55.0					14.55	16.95	19.35	21.80	24.30

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	15.89	16.98	18.10	19.20	20.26				
15.0	16.12	17.34	18.63	19.94	21.24	22.48			
20.0	16.28	17.63	19.09	20.60	22.14	23.66	25.13		
25.0		17.85	19.47	21.19	22.96	24.75	26.53	28.25	
30.0		17.99	19.78	21.69	23.69	25.76	27.84	29.90	31.90
35.0			19.99	22.10	24.34	26.67	29.05	31.45	33.83
40.0			20.13	22.43	24.89	27.48	30.16	32.90	35.65
45.0				22.66	25.34	28.19	31.17	34.24	37.35
50.0				22.79	25.70	28.80	32.07	35.47	38.95
55.0					25.95	29.31	32.86	36.58	40.42

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
10.0	74.80	100.50	132.50	171.50	218.00				
15.0	71.80	97.40	129.00	168.00	214.00	269.00			
20.0	68.50	94.10	125.50	164.00	210.00	264.00	328.00		
25.0		90.60	122.00	160.00	205.00	259.00	322.00	395.00	
30.0		86.80	117.50	155.00	200.00	253.00	315.00	388.00	472.00
35.0			113.50	150.00	194.00	246.00	308.00	380.00	464.00
40.0			108.50	144.50	188.00	239.00	300.00	371.00	454.00
45.0				138.50	181.00	231.00	291.00	362.00	444.00
50.0				132.50	173.50	223.00	282.00	351.00	434.00
55.0					166.00	214.00	272.00	341.00	423.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	700/490
Height, mm	495
Net Weight, kg	198
Gross Weight, kg	214
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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, dBA	72
Sound Power, dBA	83
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	42.4
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YYY	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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00