



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	4.26	5.84	7.87	10.40	13.50	17.15	21.40	26.30	31.90
35.0	3.97	5.45	7.35	9.71	12.55	15.95	19.95	24.50	29.70
40.0	3.71	5.10	6.86	9.05	11.70	14.85	18.50	22.70	27.50
45.0	3.45	4.74	6.37	8.39	10.85	13.75	17.10	21.00	25.40
50.0	3.15	4.35	5.86	7.71	9.96	12.60	15.70	19.30	23.30
55.0	2.76	3.88	5.27	6.97	9.02	11.45	14.25	17.50	21.20

50 Hz

D6TH-200X

R404A Dew Point

Cond °C	Power, kW								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	6.43	7.56	8.75	9.97	11.20	12.45	13.65	14.85	16.00
35.0	6.79	7.97	9.22	10.50	11.85	13.20	14.55	15.90	17.20
40.0	6.95	8.17	9.48	10.85	12.25	13.75	15.20	16.70	18.20
45.0	7.03	8.30	9.66	11.10	12.65	14.20	15.85	17.45	19.10
50.0	7.17	8.47	9.90	11.45	13.05	14.75	16.50	18.30	20.10
55.0	7.48	8.83	10.30	11.95	13.65	15.45	17.35	19.30	21.30

Cond °C	Current at 400 V, A								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	16.17	17.46	18.84	20.32	21.89	23.54	25.27	27.07	28.95
35.0	16.55	17.88	19.33	20.92	22.62	24.45	26.38	28.43	30.58
40.0	16.76	18.13	19.67	21.36	23.22	25.23	27.38	29.68	32.12
45.0	16.89	18.32	19.95	21.77	23.78	25.99	28.37	30.94	33.68
50.0	17.06	18.55	20.28	22.24	24.42	26.83	29.45	32.29	35.34
55.0	17.36	18.92	20.76	22.87	25.23	27.85	30.73	33.85	37.21

Cond °C	Suction Mass Flow, g/s								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	28.20	38.70	52.30	69.30	90.10	115.00	144.00	178.00	217.00
35.0	27.80	38.20	51.60	68.30	88.70	113.00	141.50	175.00	214.00
40.0	27.50	37.80	51.00	67.50	87.60	111.50	140.00	172.50	211.00
45.0	27.30	37.60	50.60	66.90	86.60	110.50	138.00	170.50	208.00
50.0	26.80	37.10	50.10	66.10	85.70	109.00	136.50	168.50	206.00
55.0	25.60	36.00	49.00	65.10	84.50	107.50	135.00	167.00	204.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	70.8
Bore/Stroke, mm	68.2/55.5
Length/Width, mm	755/585
Height, mm	575
Net Weight, kg	222
Gross Weight, kg	252
Suction, inch	1 5/8
Discharge, inch	1 3/8
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)
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	37.7
Locked Rotor Current, A	173
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00