



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	23.60	31.00	40.00	50.60	63.20	77.80	94.90	114.50			
15.0	22.10	29.10	37.60	47.60	59.40	73.20	89.20	107.50	128.50		
20.0	20.50	27.20	35.20	44.60	55.70	68.60	83.60	100.50	120.50	142.50	152.50
25.0	18.75	25.20	32.80	41.60	52.00	64.10	78.00	94.10	112.50	133.50	142.50
30.0	16.90	23.10	30.30	38.60	48.30	59.60	72.60	87.60	104.50	124.00	132.50
35.0	15.00	21.00	27.80	35.60	44.70	55.10	67.20	81.10	97.00	115.00	123.00
40.0		18.75	25.20	32.60	41.00	50.70	61.90	74.70	89.40	106.00	113.50
45.0		16.35	22.50	29.40	37.30	46.30	56.60	68.40	82.00	97.50	104.00
50.0		13.90	19.80	26.30	33.50	41.80	51.30	62.10	74.60	88.80	95.00
55.0			16.90	23.00	29.80	37.30	46.00	55.90	67.20	80.20	85.90

50 Hz

D6DH-350X

R404A Dew Point

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	9.67	10.85	11.85	12.70	13.35	13.75	13.85	13.70			
15.0	10.10	11.45	12.65	13.65	14.50	15.10	15.45	15.50	15.20		
20.0	10.45	11.95	13.35	14.60	15.65	16.45	17.00	17.30	17.25	16.90	16.65
25.0	10.70	12.40	14.00	15.45	16.70	17.75	18.55	19.10	19.35	19.20	19.05
30.0	10.80	12.75	14.55	16.25	17.75	19.00	20.10	20.90	21.40	21.50	21.50
35.0	10.80	12.95	15.00	16.90	18.65	20.20	21.50	22.60	23.40	23.80	23.90
40.0		13.00	15.30	17.45	19.50	21.30	22.90	24.20	25.30	26.10	26.30
45.0		12.90	15.45	17.90	20.20	22.30	24.20	25.80	27.20	28.30	28.60
50.0		12.65	15.45	18.15	20.70	23.10	25.30	27.30	29.00	30.40	30.80
55.0			15.25	18.25	21.10	23.80	26.40	28.60	30.70	32.40	33.00

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	24.80	27.15	29.03	30.45	31.44	31.99	32.15	31.91			
15.0	25.84	28.32	30.35	31.93	33.10	33.86	34.24	34.24	33.90		
20.0	26.63	29.26	31.45	33.23	34.60	35.59	36.21	36.49	36.43	36.06	35.83
25.0	27.16	29.96	32.35	34.34	35.95	37.19	38.09	38.65	38.91	38.87	38.78
30.0	27.44	30.44	33.05	35.28	37.15	38.67	39.87	40.75	41.35	41.67	41.72
35.0	27.48	30.72	33.57	36.07	38.22	40.05	41.57	42.80	43.75	44.45	44.67
40.0		30.78	33.91	36.70	39.16	41.32	43.19	44.79	46.13	47.25	47.63
45.0		30.66	34.08	37.19	39.99	42.50	44.75	46.74	48.50	50.05	50.61
50.0		30.35	34.10	37.54	40.71	43.60	46.25	48.66	50.87	52.87	53.62
55.0			33.96	37.78	41.33	44.63	47.70	50.57	53.23	55.72	56.67

Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	131.50	173.50	224.00	285.00	357.00	443.00	543.00	660.00			
15.0	128.00	169.50	219.00	279.00	350.00	434.00	533.00	648.00	782.00		
20.0	124.00	165.50	215.00	274.00	343.00	426.00	522.00	635.00	767.00	921.00	989.00
25.0	119.00	160.50	210.00	268.00	336.00	417.00	512.00	623.00	753.00	905.00	972.00
30.0	113.00	155.00	204.00	261.00	329.00	408.00	502.00	611.00	739.00	889.00	956.00
35.0	105.50	148.50	197.50	255.00	321.00	400.00	491.00	599.00	726.00	874.00	941.00
40.0		140.50	190.50	247.00	313.00	391.00	481.00	588.00	713.00	860.00	926.00
45.0		131.50	182.00	239.00	305.00	381.00	471.00	576.00	701.00	847.00	913.00
50.0		120.00	172.00	230.00	296.00	372.00	461.00	566.00	690.00	837.00	903.00
55.0			160.00	219.00	286.00	363.00	452.00	557.00	682.00	830.00	897.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	760/580
Height, mm	490
Net Weight, kg	246
Gross Weight, kg	262
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 (MT), dBA	75
Sound Power (MT), dBA	86
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	74
Sound Power (HT), dBA	85
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 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	63.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
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	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
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	YY/Y	Y	2.19
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