



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									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	23.10	29.10	36.10	44.20	53.60	64.50	77.00	82.50	91.30	99.30
35.0	21.70	27.40	34.10	41.90	50.90	61.30	73.20	78.40	86.90	94.40
40.0	20.30	25.70	32.10	39.50	48.10	58.00	69.30	74.30	82.30	89.60
45.0		24.00	30.10	37.10	45.30	54.70	65.40	70.20	77.80	84.60
50.0		22.30	28.10	34.70	42.40	51.30	61.50	66.00	73.10	79.60
55.0			26.00	32.30	39.60	47.90	57.50	61.70	68.50	74.50
60.0			24.00	29.90	36.70	44.50	53.50	57.40	63.70	69.40
62.0				28.90	35.60	43.20	51.90	55.70	61.80	67.30

50 Hz

D4DH-250X

R22

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	9.27	10.15	10.95	11.60	12.15	12.45	12.50	12.50	12.30	12.10
35.0	9.82	10.85	11.75	12.60	13.30	13.80	14.10	14.15	14.15	14.05
40.0	10.35	11.50	12.55	13.55	14.40	15.10	15.60	15.75	15.90	15.90
45.0		12.10	13.30	14.45	15.45	16.35	17.05	17.25	17.55	17.70
50.0		12.65	14.00	15.25	16.45	17.50	18.40	18.75	19.15	19.40
55.0			14.65	16.05	17.40	18.65	19.70	20.10	20.60	21.00
60.0			15.25	16.80	18.30	19.70	20.90	21.40	22.10	22.50
62.0				17.10	18.65	20.10	21.40	21.90	22.60	23.10

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	20.78	21.94	23.00	23.90	24.61	25.04	25.15	25.09	24.87	24.56
35.0	21.50	22.85	24.12	25.26	26.22	26.94	27.36	27.42	27.41	27.28
40.0	22.19	23.72	25.20	26.57	27.78	28.78	29.51	29.71	29.89	29.94
45.0		24.55	26.23	27.83	29.29	30.56	31.59	31.91	32.31	32.53
50.0		25.34	27.21	29.02	30.73	32.27	33.59	34.04	34.63	35.02
55.0			28.14	30.16	32.10	33.89	35.50	36.07	36.85	37.41
60.0			29.02	31.24	33.40	35.44	37.31	38.00	38.97	39.69
62.0				31.66	33.90	36.04	38.01	38.75	39.78	40.57

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	123.00	155.00	193.50	238.00	290.00	352.00	423.00	455.00	507.00	554.00
35.0	119.50	151.50	189.00	233.00	285.00	346.00	417.00	449.00	500.00	547.00
40.0	115.50	147.50	184.50	229.00	280.00	340.00	410.00	442.00	493.00	539.00
45.0		143.00	180.00	223.00	274.00	334.00	403.00	434.00	485.00	531.00
50.0		138.50	175.00	218.00	268.00	327.00	396.00	426.00	476.00	521.00
55.0			169.50	212.00	262.00	320.00	388.00	418.00	467.00	512.00
60.0			164.00	206.00	255.00	312.00	379.00	409.00	457.00	501.00
62.0				204.00	252.00	309.00	375.00	405.00	453.00	497.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	70.8
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	670/535
Height, mm	495
Net Weight, kg	209
Gross Weight, kg	225
Suction, inch	2 1/8
Discharge, inch	1 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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	41.5
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

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

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
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	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