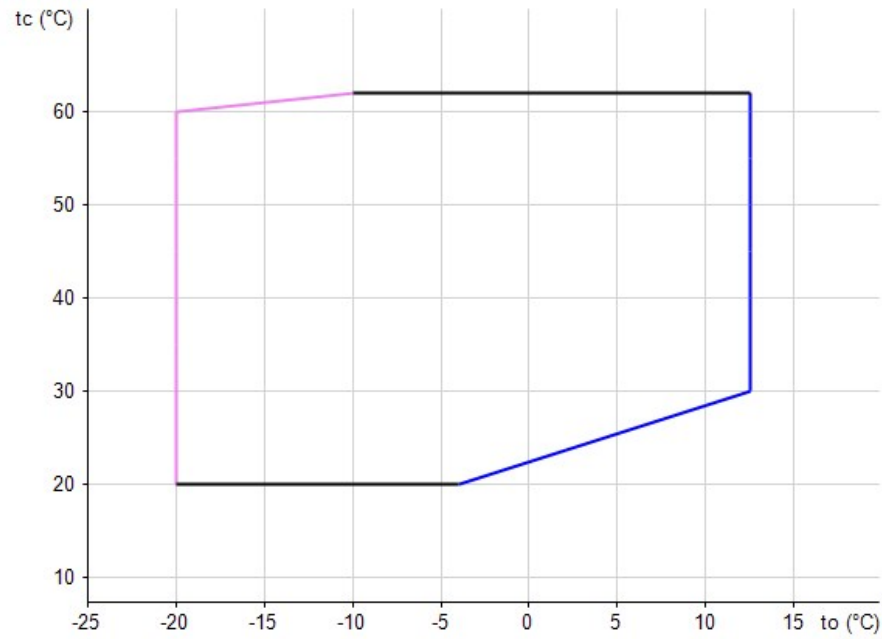


50 Hz

D2DL-40X

R134a



Minimum Evaporating Temp. With:

25 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	5.54	7.35	9.50	12.05					
25.0	5.02	6.75	8.81	11.25	14.10				
30.0	4.52	6.17	8.14	10.45	13.20	16.35	17.75	20.00	22.00
35.0	4.04	5.61	7.48	9.68	12.25	15.30	16.65	18.80	20.70
40.0	3.58	5.07	6.83	8.91	11.35	14.20	15.50	17.55	19.40
45.0	3.15	4.55	6.20	8.15	10.45	13.15	14.35	16.25	18.00
50.0	2.76	4.05	5.58	7.39	9.53	12.05	13.15	15.00	16.60
55.0	2.39	3.58	4.99	6.65	8.62	10.95	11.95	13.65	15.15
60.0	2.05	3.14	4.42	5.93	7.71	9.82	10.75	12.30	13.70
62.0			4.20	5.64	7.35	9.37	10.25	11.75	13.10

50 Hz

D2DL-40X

R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.02	2.12	2.18	2.17					
25.0	2.08	2.24	2.36	2.42	2.43				
30.0	2.15	2.36	2.53	2.66	2.73	2.74	2.73	2.68	2.62
35.0	2.20	2.46	2.69	2.88	3.01	3.09	3.10	3.10	3.08
40.0	2.25	2.55	2.83	3.07	3.27	3.41	3.45	3.49	3.50
45.0	2.30	2.64	2.96	3.25	3.50	3.70	3.77	3.85	3.89
50.0	2.35	2.71	3.07	3.40	3.71	3.96	4.05	4.17	4.24
55.0	2.39	2.77	3.16	3.53	3.88	4.19	4.30	4.45	4.56
60.0	2.42	2.81	3.22	3.63	4.02	4.38	4.51	4.69	4.83
62.0			3.25	3.67	4.07	4.44	4.58	4.77	4.92

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	5.15	5.26	5.31	5.30					
25.0	5.23	5.40	5.54	5.61	5.62				
30.0	5.30	5.54	5.74	5.90	6.00	6.01	5.98	5.92	5.83
35.0	5.37	5.66	5.94	6.18	6.35	6.46	6.48	6.47	6.44
40.0	5.43	5.77	6.11	6.43	6.69	6.89	6.94	7.00	7.02
45.0	5.48	5.87	6.27	6.65	7.00	7.28	7.38	7.50	7.57
50.0	5.53	5.96	6.41	6.86	7.28	7.65	7.78	7.96	8.08
55.0	5.57	6.03	6.53	7.04	7.53	7.99	8.16	8.39	8.57
60.0	5.60	6.09	6.62	7.19	7.75	8.29	8.49	8.78	9.01
62.0			6.66	7.24	7.83	8.40	8.62	8.93	9.18

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	33.20	43.20	54.80	68.20					
25.0	31.50	41.50	53.10	66.40	81.70				
30.0	29.70	39.70	51.30	64.50	79.80	97.10	104.50	116.50	127.50
35.0	27.90	37.90	49.40	62.60	77.70	95.00	102.50	114.50	125.00
40.0	26.10	36.00	47.40	60.50	75.50	92.60	100.00	112.00	122.50
45.0	24.30	34.20	45.40	58.40	73.10	90.00	97.40	109.00	119.50
50.0	22.60	32.30	43.40	56.10	70.60	87.10	94.40	106.00	116.00
55.0	20.90	30.50	41.30	53.70	67.80	83.90	91.00	102.50	112.50
60.0	19.35	28.70	39.20	51.10	64.70	80.30	87.10	98.00	108.00
62.0			38.40	50.10	63.40	78.70	85.40	96.20	106.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	23.7
Bore/Stroke, mm	63.6/42.9
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	131
Gross Weight, kg	140
Rotalock Discharge, inch	7/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	64
Sound Power, dBA	75
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	11.1
Locked Rotor Current, A	55
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
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
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	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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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