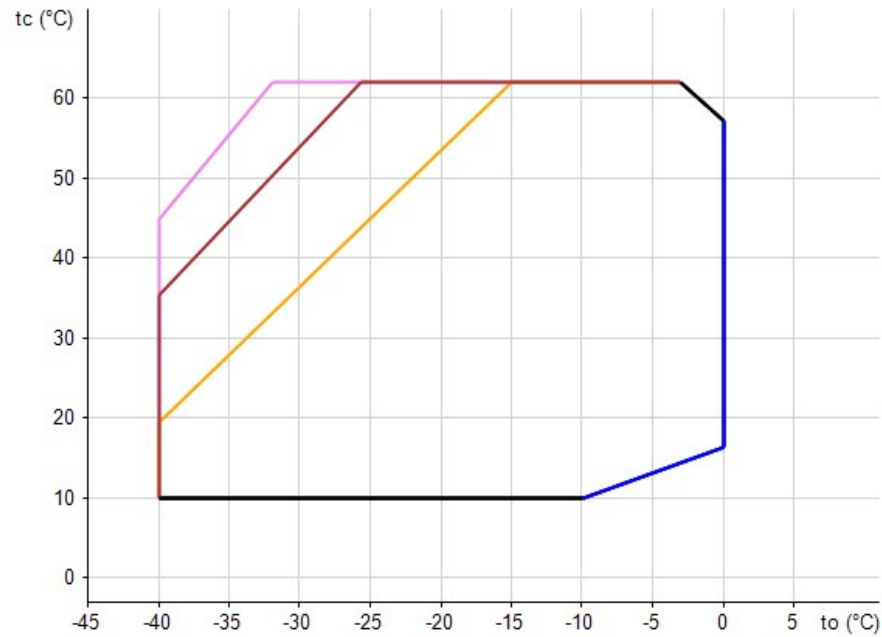




Minimum Evaporating Temp. With:

- 20 K Suction Superheat — 20 °C Suction Gas Return — 0 °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								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	3.69	4.97	6.63	8.70	11.25	14.30	17.90		
15.0	3.44	4.66	6.22	8.17	10.55	13.45	16.85	20.90	
20.0		4.35	5.82	7.66	9.91	12.60	15.85	19.60	24.00
25.0		4.04	5.43	7.16	9.26	11.80	14.85	18.40	22.50
30.0			5.04	6.66	8.63	11.00	13.85	17.15	21.10
35.0			4.65	6.17	8.00	10.20	12.85	16.00	19.65
40.0				5.67	7.39	9.44	11.90	14.80	18.20
45.0				5.18	6.77	8.68	10.95	13.65	16.80
50.0					6.15	7.91	10.00	12.50	15.45
55.0						7.15	9.08	11.35	14.10
60.0						6.39	8.15	10.25	
62.0						6.08	7.78	9.79	

50 Hz

D2DL-40X

R407A Dew Point

Cond °C	Power, kW								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	1.71	1.94	2.14	2.31	2.44	2.52	2.53		
15.0	1.76	2.02	2.26	2.47	2.64	2.77	2.84	2.84	
20.0		2.10	2.37	2.63	2.85	3.02	3.15	3.21	3.20
25.0		2.17	2.48	2.77	3.04	3.27	3.45	3.58	3.64
30.0			2.57	2.91	3.22	3.51	3.75	3.94	4.06
35.0			2.65	3.03	3.39	3.73	4.03	4.28	4.48
40.0				3.13	3.54	3.93	4.30	4.62	4.89
45.0				3.20	3.67	4.12	4.54	4.93	5.27
50.0					3.77	4.28	4.77	5.22	5.64
55.0						4.41	4.96	5.49	5.98
60.0						4.51	5.13	5.72	
62.0						4.54	5.18	5.81	

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
10.0	5.11	5.32	5.52	5.70	5.84	5.92	5.92		
15.0	5.16	5.39	5.63	5.86	6.05	6.20	6.27	6.26	
20.0		5.47	5.75	6.02	6.27	6.48	6.64	6.71	6.68
25.0		5.54	5.86	6.18	6.50	6.78	7.01	7.17	7.25
30.0			5.96	6.34	6.71	7.07	7.38	7.64	7.81
35.0			6.05	6.48	6.92	7.35	7.75	8.10	8.38
40.0				6.60	7.11	7.62	8.11	8.55	8.94
45.0				6.70	7.28	7.87	8.44	8.99	9.49
50.0					7.42	8.09	8.75	9.40	10.01
55.0						8.27	9.03	9.79	10.51
60.0						8.41	9.27	10.14	
62.0						8.46	9.36	10.26	

50 Hz

D2DL-40X

R407A Dew Point

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
10.0	17.15	23.20	31.00	40.80	52.90	67.60	85.20		
15.0	16.55	22.50	30.10	39.70	51.50	65.90	83.10	103.50	
20.0		21.80	29.30	38.60	50.10	64.10	81.00	101.00	124.50
25.0		21.00	28.40	37.50	48.70	62.40	78.90	98.50	121.50
30.0			27.40	36.40	47.30	60.70	76.70	95.90	118.50
35.0			26.40	35.20	45.90	58.90	74.60	93.40	116.00
40.0				33.90	44.40	57.10	72.40	90.80	113.00
45.0				32.60	42.80	55.20	70.20	88.20	110.00
50.0					41.20	53.30	67.90	85.60	107.00
55.0						51.20	65.60	82.90	104.00
60.0						49.10	63.10	80.20	
62.0						48.20	62.10	79.10	

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 (MT), dBA	64
Sound Power (MT), dBA	75
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	2107
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