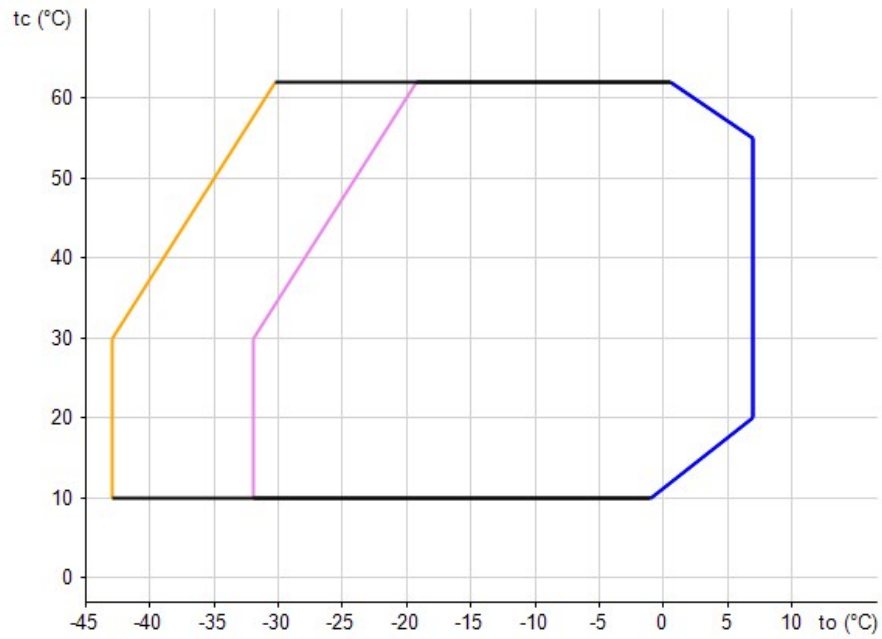


50 Hz

D2DL-75X

R404A Dew Point



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return
- 20 °C Suction Gas Return with add cooling
- 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	5.0	7.0
10.0	4.92	6.50	8.45	10.80	13.55	16.80	20.50	24.70			
15.0	4.50	6.01	7.86	10.10	12.75	15.85	19.40	23.50	28.00		
20.0	4.09	5.51	7.27	9.40	11.90	14.85	18.25	22.20	26.60	31.50	33.60
25.0	3.69	5.02	6.67	8.68	11.05	13.85	17.10	20.80	25.00	29.70	31.80
30.0	3.30	4.54	6.08	7.95	10.20	12.85	15.90	19.40	23.40	27.90	29.90
35.0	2.95	4.07	5.49	7.23	9.32	11.80	14.65	18.00	21.80	26.00	27.90
40.0		3.63	4.91	6.50	8.43	10.70	13.40	16.50	20.10	24.10	25.90
45.0		3.21	4.35	5.79	7.55	9.65	12.15	15.05	18.35	22.20	23.80
50.0		2.83	3.82	5.09	6.67	8.58	10.85	13.55	16.65	20.20	21.70
55.0			3.32	4.42	5.81	7.52	9.58	12.00	14.85	18.15	19.60
60.0			2.85	3.77	4.97	6.47	8.30	10.50	13.10		
62.0			2.68	3.52	4.64	6.05	7.79	9.89	12.40		

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	2.17	2.41	2.62	2.78	2.88	2.89	2.79	2.56			
15.0	2.22	2.49	2.75	2.97	3.13	3.22	3.21	3.08	2.81		
20.0	2.25	2.56	2.86	3.13	3.36	3.52	3.59	3.56	3.40	3.10	2.93
25.0	2.28	2.61	2.95	3.27	3.56	3.79	3.94	4.00	3.95	3.76	3.64
30.0	2.29	2.65	3.02	3.39	3.74	4.03	4.27	4.42	4.46	4.38	4.31
35.0	2.29	2.68	3.08	3.49	3.89	4.25	4.56	4.79	4.93	4.96	4.94
40.0		2.69	3.12	3.57	4.02	4.44	4.82	5.14	5.37	5.50	5.52
45.0		2.68	3.15	3.63	4.13	4.61	5.05	5.45	5.77	6.00	6.07
50.0		2.67	3.15	3.67	4.21	4.74	5.26	5.73	6.14	6.46	6.57
55.0			3.14	3.69	4.27	4.86	5.43	5.97	6.46	6.89	7.03
60.0			3.12	3.69	4.31	4.94	5.57	6.19	6.76		
62.0			3.11	3.69	4.32	4.97	5.62	6.26	6.86		

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	8.14	8.30	8.46	8.60	8.69	8.70	8.61	8.39			
15.0	8.18	8.35	8.55	8.73	8.88	8.96	8.96	8.83	8.56		
20.0	8.21	8.41	8.63	8.86	9.07	9.22	9.30	9.28	9.12	8.80	8.63
25.0	8.24	8.45	8.71	8.98	9.25	9.48	9.64	9.72	9.67	9.48	9.36
30.0	8.26	8.49	8.78	9.10	9.42	9.72	9.97	10.15	10.22	10.15	10.09
35.0	8.26	8.51	8.83	9.20	9.58	9.96	10.30	10.57	10.75	10.81	10.80
40.0		8.51	8.87	9.28	9.73	10.17	10.60	10.97	11.27	11.46	11.50
45.0		8.50	8.88	9.35	9.85	10.37	10.88	11.36	11.77	12.09	12.18
50.0		8.45	8.88	9.38	9.95	10.55	11.15	11.72	12.25	12.69	12.85
55.0			8.84	9.40	10.02	10.69	11.38	12.06	12.70	13.28	13.48
60.0			8.77	9.38	10.06	10.81	11.59	12.37	13.12		
62.0			8.73	9.36	10.07	10.85	11.66	12.48	13.28		

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	27.40	36.30	47.30	60.70	76.70	95.40	117.50	142.50			
15.0	26.10	34.90	45.90	59.30	75.20	94.00	116.00	141.50	170.50		
20.0	24.80	33.50	44.40	57.60	73.50	92.20	114.00	139.50	169.50	203.00	218.00
25.0	23.40	32.00	42.70	55.80	71.50	90.20	112.00	138.00	167.50	202.00	217.00
30.0	22.10	30.40	40.90	53.80	69.40	87.90	110.00	135.50	165.50	200.00	215.00
35.0	20.80	28.80	39.00	51.60	67.00	85.40	107.00	133.00	163.00	198.00	213.00
40.0		27.20	37.10	49.40	64.40	82.60	104.50	130.00	160.00	195.50	211.00
45.0		25.80	35.10	47.00	61.70	79.60	101.00	126.50	157.00	193.00	209.00
50.0		24.40	33.20	44.60	58.80	76.40	97.70	123.50	154.00	190.00	206.00
55.0			31.40	42.10	55.90	73.00	94.20	120.00	150.50	188.00	205.00
60.0			29.90	39.90	53.00	69.70	90.70	116.50	148.00		
62.0			29.50	39.10	51.90	68.50	89.50	115.50	147.50		

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	136
Gross Weight, kg	145
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
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	66
Sound Power, dBA	77
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	13.8
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

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

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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00