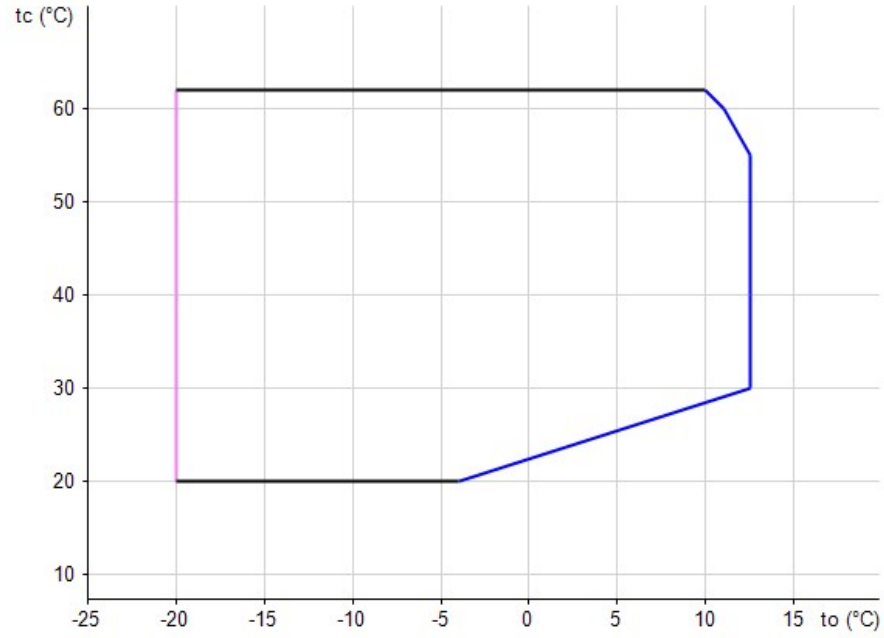
50 Hz | DLF-20X | R134a



Minimum Evaporating Temp. With:

25 °C Suction Gas Return with add cooling

Maximum Evaporating Temperature

Suction Superheat 10.0K | Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW								
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	3.03	3.98	5.11	6.44					
25.0	2.75	3.65	4.72	5.99	7.47				
30.0	2.47	3.32	4.34	5.54	6.96	8.60	9.32	10.50	11.55
35.0	2.20	3.00	3.96	5.10	6.44	8.01	8.70	9.81	10.80
40.0	1.93	2.69	3.60	4.67	5.94	7.42	8.08	9.14	10.10
45.0	1.67	2.39	3.24	4.25	5.44	6.84	7.46	8.47	9.37
50.0	1.42	2.10	2.89	3.83	4.95	6.26	6.85	7.79	8.65
55.0	1.19	1.82	2.55	3.43	4.46	5.69	6.23	7.12	7.92
60.0	0.97	1.55	2.23	3.04	3.99	5.12	5.63	6.45	
62.0	0.88	1.45	2.11	2.88	3.80	4.89	5.38	6.18	

50 Hz | DLF-20X | R134a

Cond	Power, kW								
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	1.08	1.16	1.23	1.26					
25.0	1.12	1.23	1.32	1.38	1.42				
30.0	1.16	1.30	1.41	1.50	1.57	1.60	1.60	1.60	1.58
35.0	1.20	1.36	1.49	1.61	1.70	1.76	1.78	1.79	1.79
40.0	1.23	1.40	1.56	1.70	1.82	1.92	1.94	1.98	1.99
45.0	1.26	1.44	1.62	1.79	1.94	2.05	2.09	2.14	2.17
50.0	1.28	1.48	1.68	1.86	2.03	2.17	2.23	2.29	2.34
55.0	1.28	1.50	1.71	1.92	2.11	2.28	2.34	2.43	2.49
60.0	1.28	1.51	1.74	1.96	2.17	2.37	2.44	2.54	
62.0	1.28	1.51	1.74	1.98	2.19	2.40	2.48	2.58	

Cond	Current at 400 V, A								
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.65	2.72	2.78	2.82					
25.0	2.69	2.80	2.89	2.96	2.99				
30.0	2.73	2.86	2.98	3.08	3.16	3.19	3.19	3.18	3.16
35.0	2.77	2.92	3.07	3.20	3.31	3.38	3.40	3.41	3.41
40.0	2.80	2.98	3.15	3.31	3.45	3.55	3.59	3.62	3.64
45.0	2.82	3.02	3.21	3.40	3.57	3.72	3.76	3.82	3.86
50.0	2.84	3.05	3.27	3.48	3.68	3.86	3.92	4.01	4.07
55.0	2.85	3.08	3.31	3.55	3.78	3.99	4.07	4.17	4.25
60.0	2.85	3.09	3.34	3.60	3.86	4.10	4.19	4.32	
62.0	2.85	3.09	3.35	3.62	3.89	4.14	4.24	4.38	

Cond	Suction Mass Flow, g/s								
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	18.20	23.40	29.50	36.50					
25.0	17.25	22.40	28.40	35.40	43.30				
30.0	16.20	21.40	27.30	34.20	42.10	51.00	54.90	61.10	66.60
35.0	15.15	20.30	26.20	33.00	40.80	49.70	53.60	59.80	65.30
40.0	14.05	19.10	25.00	31.70	39.50	48.30	52.20	58.30	63.80
45.0	12.90	17.95	23.70	30.40	38.10	46.80	50.70	56.80	62.20
50.0	11.70	16.70	22.50	29.10	36.60	45.30	49.10	55.10	60.50
55.0	10.45	15.45	21.20	27.60	35.10	43.60	47.40	53.30	58.70
60.0	9.13	14.20	19.80	26.20	33.50	41.90	45.50	51.40	
62.0	8.60	13.65	19.25	25.60	32.80	41.10	44.80	50.60	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	12.9
Bore/Stroke, mm	50.8/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	80
Gross Weight, kg	86
Suction, inch	7/8
Discharge, inch	5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2
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	51
Sound Power, dBA	62
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	5.5
Locked Rotor Current, A	37.6
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4

ACCESSORIES OPTIONAL

Additional Cooling	1 or 2 ways water Coil
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal

MOTOR OPTIONS

Motor Code	*Power Supply*	*Nominal Voltage, V*	*Start Connection*	*DOL Connection*	*Amps Factor*
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
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