

Model: DLF-20 X

Data

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DL

Model: DLF-20 X

Technical data

Cylinder count:	2
Displacement [m ³ /h]:	12,9
Weight [kg]:	86
Oil charge [dm ³]:	2,3
Max. operating current [A]:	4,5
Locked rotor current [A]:	37,6
Power supply [V/~/Hz]:	380-420V/3/50Hz

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:		7/8"
Discharge line:		5/8"

Model: DLF-20 X

Capacity

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	0.37	0.75	1.28	1.98	2.85	3.90	5.15	6.59	8.23	10.09
30	0.26	0.60	1.09	1.74	2.55	3.55	4.73	6.11	7.69	9.48
35	-	0.46	0.90	1.50	2.27	3.21	4.33	5.64	7.16	8.88
40	-	-	0.73	1.28	1.99	2.88	3.94	5.19	6.63	8.28
45	-	-	0.58	1.07	1.73	2.55	3.56	4.74	6.12	-
50	-	-	-	0.88	1.48	2.25	3.19	4.30	-	-
55	-	-	-	0.70	1.25	1.95	2.83	-	-	-

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	0.88	1.05	1.23	1.42	1.62	1.80	1.97	2.10	2.21	2.27
30	0.85	1.03	1.23	1.44	1.65	1.87	2.06	2.24	2.38	2.48
35	-	1.00	1.21	1.44	1.68	1.92	2.15	2.36	2.54	2.68
40	-	-	1.19	1.44	1.70	1.96	2.22	2.46	2.68	2.87
45	-	-	1.17	1.43	1.71	2.00	2.28	2.56	2.81	-
50	-	-	-	1.41	1.71	2.02	2.33	2.64	-	-
55	-	-	-	1.39	1.70	2.03	2.37	-	-	-

Model: DLF-20 X

Capacity

R134a

Cooling capacity [kW]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10
30	2.48	3.33	4.34	5.54	6.95	8.59	10.49
35	2.19	3.00	3.97	5.10	6.44	8.00	9.82
40	1.92	2.69	3.60	4.67	5.94	7.42	9.14
45	1.67	2.39	3.24	4.25	5.44	6.84	8.46
50	1.42	2.09	2.89	3.84	4.95	6.26	7.79
55	1.19	1.82	2.55	3.43	4.47	5.69	7.12
60	0.98	1.55	2.23	3.03	3.99	5.12	6.45

Power input [kW]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10
30	1.16	1.30	1.41	1.51	1.57	1.60	1.59
35	1.20	1.35	1.49	1.61	1.70	1.77	1.79
40	1.23	1.40	1.56	1.70	1.82	1.92	1.97
45	1.26	1.44	1.62	1.79	1.93	2.05	2.14
50	1.27	1.48	1.67	1.86	2.03	2.17	2.29
55	1.28	1.50	1.71	1.92	2.11	2.28	2.43
60	1.28	1.51	1.74	1.96	2.17	2.37	2.54

Model: DLF-20 X

Capacity

R404A/R507

Cooling capacity [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
20	0.82	1.36	2.01	2.79	3.72	4.81	6.09
25	0.61	1.13	1.75	2.48	3.35	4.37	5.58
30	-	0.91	1.48	2.17	2.98	3.94	5.06
35	-	-	1.23	1.87	2.62	3.51	4.55
40	-	-	0.99	1.57	2.27	3.08	4.04
45	-	-	-	1.29	1.92	2.67	3.55
50	-	-	-	1.03	1.60	2.27	3.07
55	-	-	-	-	1.30	1.89	2.60

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
20	0.73	0.93	1.14	1.34	1.54	1.74	1.93
25	0.70	0.92	1.15	1.37	1.59	1.81	2.03
30	-	0.90	1.14	1.38	1.63	1.87	2.11
35	-	-	1.13	1.39	1.65	1.91	2.17
40	-	-	1.11	1.38	1.66	1.94	2.22
45	-	-	-	1.37	1.66	1.96	2.26
50	-	-	-	1.34	1.65	1.97	2.29
55	-	-	-	-	1.64	1.97	2.31

Model: DLF-20 X

Image

