

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKM-100

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m ³ /h]:	3,97
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	41
Oil charge [dm ³]:	0,6
Power supply [V/~/Hz]:	

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	15	5/8"
Discharge line:	12	1/2"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	450	640	870	1 140	1 460	1 830	2 260	2 760	3 330	3 990	4 280	4 750	5 170
35	390	580	790	1 050	1 350	1 710	2 120	2 600	3 150	3 780	4 050	4 500	4 900
40	340	510	720	960	1 250	1 590	1 980	2 440	2 960	3 560	3 820	4 250	4 630
45	270	440	640	870	1 150	1 470	1 840	2 270	2 770	3 340	3 590	3 990	4 350
50	210	370	560	780	1 040	1 350	1 700	2 110	2 570	3 110	3 350	3 720	4 060
55	150	300	480	690	940	1 220	1 550	1 940	2 380	2 880	3 100	3 460	3 780
60	-	230	400	600	830	1 100	1 410	1 770	2 180	2 650	-	-	-
62	-	210	370	560	790	1 050	1 350	1 700	2 100	-	-	-	-

Power input [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	0.42	0.48	0.53	0.59	0.64	0.68	0.72	0.75	0.77	0.77	0.77	0.76	0.75
35	0.41	0.47	0.54	0.60	0.66	0.72	0.77	0.81	0.85	0.87	0.88	0.88	0.88
40	0.39	0.47	0.54	0.61	0.68	0.75	0.82	0.88	0.93	0.97	0.98	1.00	1.01
45	0.38	0.45	0.54	0.62	0.70	0.78	0.86	0.93	1.00	1.06	1.09	1.11	1.14
50	0.35	0.44	0.53	0.62	0.71	0.81	0.90	0.99	1.07	1.15	1.18	1.23	1.26
55	0.32	0.42	0.52	0.62	0.72	0.83	0.93	1.04	1.14	1.24	1.28	1.34	1.38
60	-	0.39	0.50	0.61	0.73	0.84	0.96	1.09	1.21	1.33	-	-	-
62	-	0.38	0.49	0.61	0.73	0.85	0.98	1.10	1.23	-	-	-	-

Operating conditions: suction gas temperature 25°C + additional cooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



