

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKM-50

Technical data

Nominal motor power [kW]:

Cylinder count: 2

Displacement [m³/h]: 3,97

Cylinder capacity [cm³]:

RPM [min⁻¹]: 1450

Weight [kg]: 41

Oil charge [dm³]: 0,6

Power supply [V/~/Hz]:

Connections

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

R22

Cooling capacity [W]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	160	290	460	650	890	1 170	1 500	1 890	2 340	2 860
30	-	240	400	590	810	1 080	1 400	1 770	2 190	2 690
35	-	190	340	520	730	990	1 290	1 640	2 050	2 520
40	-	-	280	450	660	900	1 180	1 520	1 900	2 350
45	-	-	220	390	580	810	1 080	1 390	1 760	2 180
50	-	-	-	320	510	720	970	1 270	1 620	-
55	-	-	-	260	430	640	870	1 150	1 480	-

Power input [kW]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	0.28	0.33	0.39	0.45	0.50	0.55	0.59	0.63	0.65	0.66
30	-	0.32	0.38	0.45	0.51	0.57	0.62	0.67	0.70	0.73
35	-	0.30	0.37	0.45	0.52	0.58	0.64	0.70	0.75	0.79
40	-	-	0.36	0.44	0.52	0.59	0.67	0.73	0.79	0.84
45	-	-	0.34	0.43	0.52	0.60	0.68	0.76	0.83	0.89
50	-	-	-	0.42	0.51	0.60	0.69	0.78	0.86	-
55	-	-	-	0.40	0.50	0.60	0.70	0.80	0.89	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



