

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D4DJ-200 X

Technical data

Nominal motor power [kW]:	
Cylinder count:	4
Displacement [m ³ /h]:	84,7
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	214
Oil charge [dm ³]:	4
Power supply [V/~/Hz]:	

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	54	2 1/8"
Discharge line:	35	1 3/8"

R134a

Cooling capacity [W]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	7	10	12.5
30	20 830	26 400	33 020	40 840	49 980	60 580	65 270	72 790	79 530
35	19 430	24 680	30 930	38 300	46 940	56 980	61 420	68 560	74 970
40	18 000	22 960	28 840	35 770	43 900	53 380	57 570	64 320	70 390
45	16 550	21 240	26 750	33 250	40 870	49 760	53 700	60 050	65 760
50	15 070	19 510	24 680	30 740	37 850	46 150	49 830	55 760	61 110
55	13 580	17 780	22 610	28 250	34 840	42 520	45 940	51 440	56 410
60	12 050	16 040	20 550	25 760	31 830	38 890	42 030	47 100	51 670
62	-	-	19 730	24 770	30 630	37 440	40 470	45 350	49 760

Power input [kW]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	7	10	12.5
30	7.53	8.44	9.31	10.10	10.81	11.39	11.58	11.83	11.99
35	7.88	8.91	9.91	10.86	11.73	12.49	12.76	13.12	13.39
40	8.21	9.34	10.46	11.55	12.58	13.52	13.87	14.35	14.71
45	8.51	9.72	10.96	12.19	13.37	14.48	14.90	15.49	15.95
50	8.78	10.07	11.41	12.76	14.09	15.36	15.85	16.55	17.11
55	9.02	10.37	11.80	13.26	14.73	16.16	16.72	17.53	18.18
60	9.22	10.61	12.12	13.69	15.29	16.87	17.49	18.41	19.15
62	-	-	12.23	13.84	15.49	17.13	17.77	18.73	19.51

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

 t_c - Condensing temperature [°C]

 t_e - Evaporating temperature [°C]



