



Typ: Sprężarki hermetyczne tłokowe

Producent: Copeland

Typoszereg: ZF

Model: ZF48KVE-TFD EVI

Dane techniczne

Znamionowa moc silnika [KM]:	15
Wydajność objętościowa [m ³ /h]:	42,1
Masa [kg]:	119
Napełnienie olejem [dm ³]:	4,14

Dane elektryczne

Zasilanie [V/~/Hz]:	380-420V/3/50Hz
Prąd zwarcia [A]:	198
Max. pobór prądu [A]:	30,6
Oporność uzwojenia [Ω]:	0,72

Przyłącza

	<u>milimetry</u>	<u>cale</u>
Króciec ssawny:		2 1/4"
Króciec tłoczny:		1 3/4"



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TECHNIKA CHŁODNICZA I KLIMATYZACJA

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Wydajność

R404A/R507

Wydajność chłodnicza [kW]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	13.28	16.09	19.36	23.12	27.40	32.23	37.64	43.66	50.32	-
25	13.12	15.94	19.19	22.91	27.12	31.85	37.13	43.00	49.49	-
30	12.83	15.63	18.85	22.49	26.61	31.22	36.35	42.05	48.33	55.23
35	12.46	15.22	18.37	21.92	25.91	30.37	35.34	40.83	46.88	53.53
40	12.05	14.75	17.80	21.23	25.08	29.36	34.13	39.39	45.19	51.56
45	11.64	14.24	17.18	20.46	24.14	28.23	32.76	37.77	43.29	49.35
50	11.27	13.76	16.55	19.66	23.14	27.00	31.29	36.02	41.23	46.96
55	10.98	13.33	15.95	18.87	22.12	25.73	29.74	34.17	39.05	44.42
60	10.81	12.99	15.42	-	-	24.46	28.16	32.26	36.79	41.77

Pobór mocy [kW]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	6.76	7.11	7.49	7.90	8.37	8.89	9.49	10.17	10.94	-
25	7.52	7.97	8.42	8.89	9.39	9.94	10.53	11.20	11.94	-
30	8.21	8.75	9.28	9.81	10.36	10.93	11.53	12.18	12.90	13.68
35	8.89	9.53	10.14	10.74	11.33	11.93	12.55	13.19	13.88	14.63
40	9.63	10.37	11.07	11.74	12.38	13.01	13.64	14.29	14.96	15.67
45	10.49	11.34	12.13	12.87	13.57	14.24	14.89	15.54	16.20	16.87
50	11.54	12.50	13.39	14.20	14.96	15.67	16.35	17.01	17.66	18.30
55	12.84	13.92	14.91	15.81	16.63	17.39	18.10	18.77	19.41	20.03
60	14.46	15.67	16.76	-	-	19.45	20.19	20.87	21.51	22.12

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$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	14.41	14.82	15.27	15.79	16.41	17.15	18.02	19.07	20.31	-
25	15.48	16.03	16.59	17.20	17.87	18.62	19.49	20.49	21.66	-
30	16.37	17.08	17.77	18.47	19.20	19.99	20.86	21.83	22.93	24.19
35	17.22	18.09	18.92	19.73	20.54	21.37	22.25	23.20	24.26	25.43
40	18.12	19.18	20.16	21.09	21.98	22.87	23.78	24.73	25.74	26.85
45	19.19	20.45	21.60	22.65	23.65	24.61	25.56	26.52	27.51	28.56
50	20.56	22.03	23.35	24.55	25.67	26.71	27.71	28.69	29.67	30.68
55	22.33	24.02	25.53	26.90	28.14	29.28	30.34	31.35	32.34	33.32
60	24.63	26.55	28.27	-	-	32.43	33.57	34.63	35.63	36.60

Przepływ masowy [kg/s]

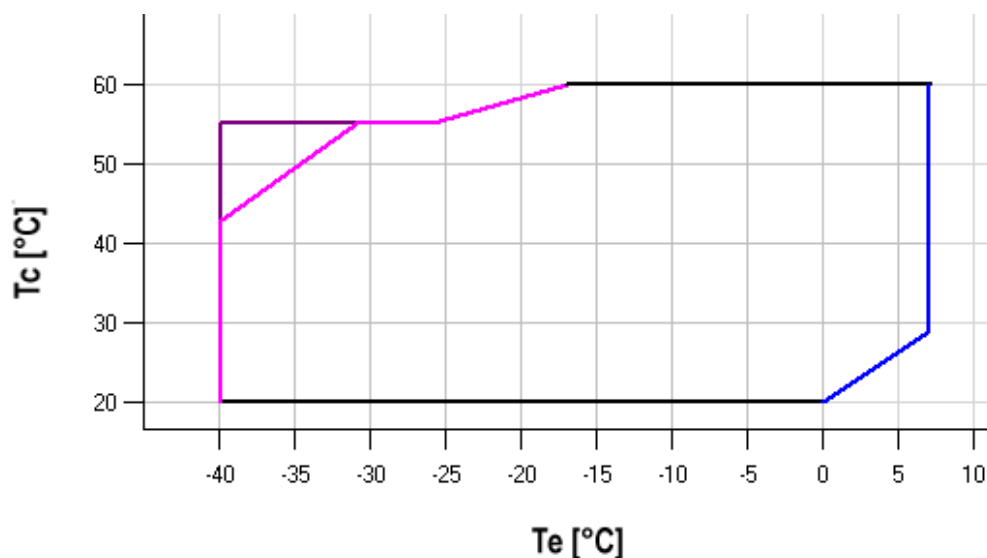
$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	231.19	277.70	339.06	417.78	516.37	637.32	783.14	956.32	1 159.38	-
25	224.49	274.21	336.83	414.85	510.78	627.12	766.38	931.04	1 123.62	-
30	217.55	270.60	334.59	412.03	505.42	617.26	750.06	906.32	1 088.54	1 299.22
35	209.90	266.38	331.86	408.83	499.79	607.25	733.71	881.68	1 053.65	1 252.13
40	201.05	261.09	328.16	404.78	493.43	596.62	716.86	856.65	1 018.48	1 204.87
45	190.53	254.24	323.03	399.40	485.85	584.89	699.02	830.75	982.56	1 156.97
50	177.87	245.36	315.98	392.22	476.59	571.59	679.73	803.50	945.41	1 107.96
55	162.58	233.97	306.53	382.76	465.16	556.24	658.49	774.42	906.54	1 057.35
60	144.20	219.60	294.21	-	-	538.35	634.84	743.05	865.49	1 004.66



C.O.P. [W/W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	1.97	2.26	2.59	2.93	3.27	3.62	3.97	4.29	4.60	-
25	1.74	2.00	2.28	2.58	2.89	3.21	3.53	3.84	4.15	-
30	1.56	1.79	2.03	2.29	2.57	2.86	3.15	3.45	3.75	4.04
35	1.40	1.60	1.81	2.04	2.29	2.55	2.82	3.09	3.38	3.66
40	1.25	1.42	1.61	1.81	2.03	2.26	2.50	2.76	3.02	3.29
45	1.11	1.26	1.42	1.59	1.78	1.98	2.20	2.43	2.67	2.93
50	0.98	1.10	1.24	1.38	1.55	1.72	1.91	2.12	2.34	2.57
55	0.85	0.96	1.07	1.19	1.33	1.48	1.64	1.82	2.01	2.22
60	0.75	0.83	0.92	-	-	1.26	1.39	1.55	1.71	1.89

Zakres zastosowania



Maksymalna temperatura parowania

Temperatura gazu zasysanego 25°C

Temperatura gazu zasysanego 0°C

Warunki robocze: temperatura gazu zasysanego 20°C, dochłodzenie 0K

t_c - Temperatura skraplania [°C]

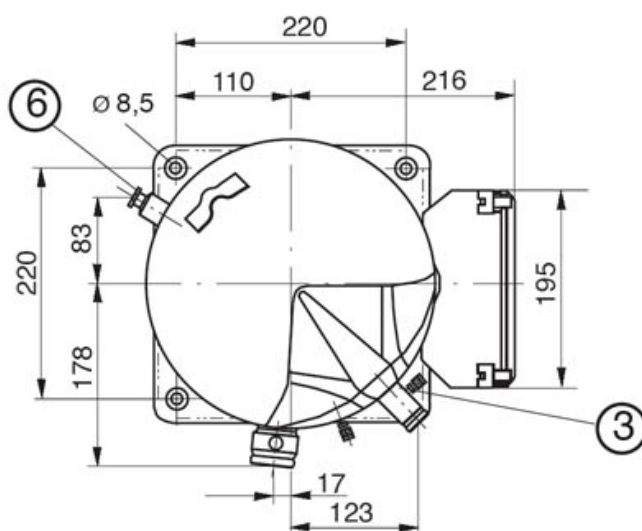
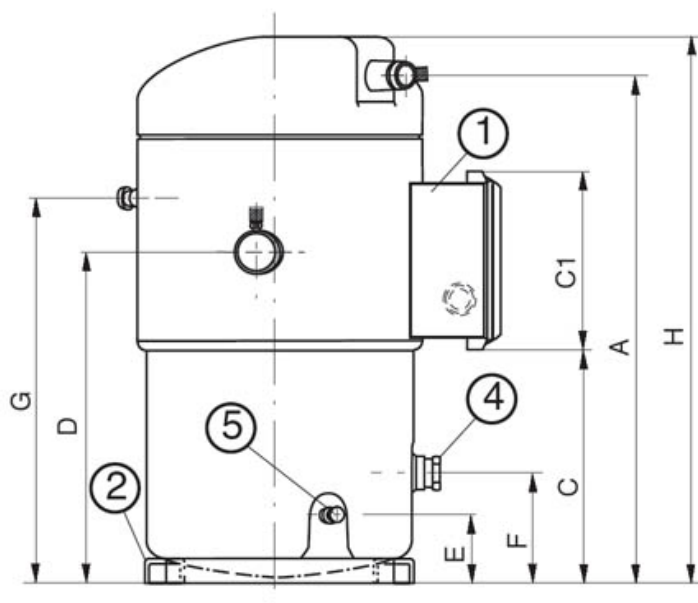
t_e - Temperatura odparowania [°C]



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Wymiary



A	546,14 mm
C	221,59 mm
C1	175,7 mm
D	314,82 mm
E	63,52 mm
F	97,79 mm
G	376,14 mm



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Zdjęcie

