

Typ: Sprężarki hermetyczne tłokowe

Producent: Copeland

Typszereg: ZF

Model: ZF33KVE-TFD EVI

Dane techniczne

Znamionowa moc silnika [KM]:	10,5
Wydajność objętościowa [m ³ /h]:	28,9
Masa [kg]:	100
Napełnienie olejem [dm ³]:	4

Dane elektryczne

Zasilanie [V/~/Hz]:	380-420V/3/50Hz
Prąd zwarcia [A]:	127
Max. pobór prądu [A]:	22,3
Oporność uzwojenia [Ω]:	1,02

Przyłącza

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

R404A/R507

Wydajność chłodnicza [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	8.74	10.82	13.22	16.00	19.17	22.76	26.81	31.34	36.39	-
25	8.49	10.54	12.90	15.63	18.73	22.25	26.22	30.66	35.61	-
30	8.29	10.28	12.59	15.24	18.26	21.70	25.56	29.89	34.72	40.07
35	8.13	10.05	12.28	14.84	17.77	21.09	24.84	29.04	33.73	38.93
40	8.02	9.86	11.99	14.44	17.25	20.45	24.06	28.11	32.64	37.68
45	7.98	9.71	11.72	14.05	16.73	19.77	23.23	27.12	31.47	36.32
50	8.00	9.61	11.49	13.67	16.19	19.07	22.35	26.06	30.22	34.86
55	8.09	9.56	11.28	13.31	15.65	18.35	21.44	24.94	28.89	33.31
60	8.27	9.57	11.12	-	-	17.62	20.49	23.77	27.49	31.67

Pobór mocy [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	4.46	4.72	4.96	5.20	5.42	5.62	5.82	6.00	6.17	-
25	4.95	5.22	5.48	5.73	5.97	6.20	6.43	6.64	6.85	-
30	5.46	5.73	6.00	6.26	6.51	6.77	7.02	7.26	7.50	7.74
35	6.01	6.28	6.55	6.82	7.09	7.36	7.62	7.89	8.16	8.43
40	6.67	6.93	7.19	7.46	7.73	8.01	8.29	8.58	8.87	9.16
45	7.45	7.70	7.95	8.22	8.49	8.77	9.06	9.35	9.66	9.98
50	8.42	8.65	8.88	9.14	9.40	9.68	9.97	10.27	10.59	10.92
55	9.60	9.80	10.02	10.26	10.51	10.78	11.06	11.36	11.68	12.02
60	11.05	11.22	11.41	-	-	12.11	12.38	12.68	13.00	13.34

Prad [A]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	11.13	11.42	11.67	11.92	12.15	12.39	12.64	12.91	13.20	-
25	11.60	11.90	12.19	12.46	12.73	13.00	13.28	13.59	13.92	-
30	12.13	12.45	12.76	13.06	13.35	13.65	13.97	14.30	14.67	15.07
35	12.77	13.12	13.44	13.76	14.08	14.40	14.74	15.11	15.51	15.94
40	13.59	13.94	14.29	14.62	14.96	15.30	15.66	16.05	16.47	16.94
45	14.62	14.99	15.34	15.68	16.03	16.39	16.77	17.18	17.62	18.11
50	15.92	16.29	16.65	17.00	17.36	17.73	18.12	18.55	19.01	19.52
55	17.54	17.91	18.27	18.62	18.99	19.37	19.77	20.20	20.68	21.20
60	19.53	19.89	20.25	-	-	21.35	21.75	22.20	22.68	23.21

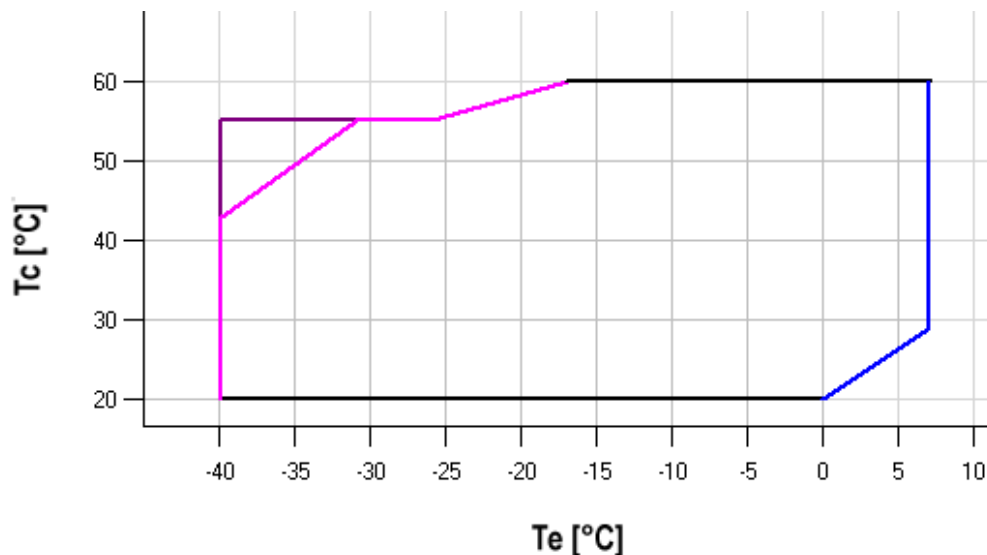
Przepływ masowy [kg/s]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	152.40	186.94	231.87	289.30	361.35	450.13	557.78	686.40	838.11	-
25	145.32	181.27	226.41	282.84	352.69	438.07	541.10	663.90	808.58	-
30	140.37	177.87	223.34	278.90	346.68	428.78	527.32	644.43	782.22	942.81
35	136.78	175.95	221.89	276.71	342.54	421.49	515.68	627.23	758.25	910.87
40	133.76	174.73	221.26	275.48	339.49	415.42	505.38	611.50	735.88	880.65
45	130.53	173.44	220.69	274.43	336.75	409.79	495.65	596.46	714.34	851.40
50	126.32	171.28	219.39	272.77	333.54	403.81	485.71	581.34	692.84	822.31
55	120.34	167.49	216.58	269.73	329.07	396.71	474.76	565.35	670.60	792.61
60	111.81	161.27	211.47	-	-	387.70	462.05	547.72	646.84	761.52

C.O.P. [W/W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5
20	1.96	2.29	2.66	3.08	3.54	4.05	4.61	5.23	5.90	-
25	1.71	2.02	2.35	2.73	3.14	3.59	4.08	4.61	5.20	-
30	1.52	1.79	2.10	2.44	2.80	3.21	3.64	4.12	4.63	5.18
35	1.35	1.60	1.87	2.18	2.51	2.87	3.26	3.68	4.13	4.62
40	1.20	1.42	1.67	1.94	2.23	2.55	2.90	3.28	3.68	4.11
45	1.07	1.26	1.47	1.71	1.97	2.26	2.56	2.90	3.26	3.64
50	0.95	1.11	1.29	1.50	1.72	1.97	2.24	2.54	2.85	3.19
55	0.84	0.97	1.13	1.30	1.49	1.70	1.94	2.19	2.47	2.77
60	0.75	0.85	0.98	-	-	1.46	1.66	1.87	2.11	2.37

Zakres zastosowania

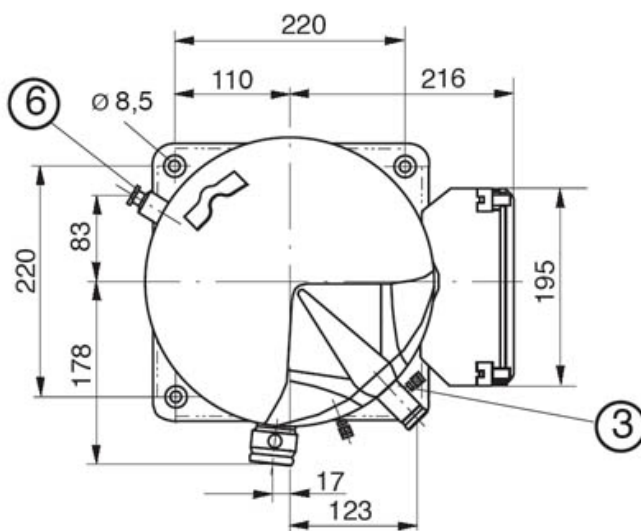
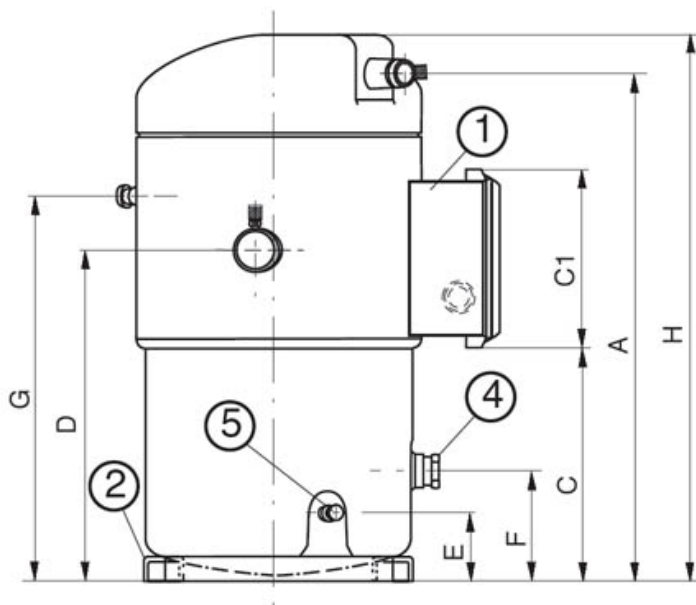


- Maksymalna temperatura parowania
- Temperatura gazu zasysanego 25°C
- Temperatura gazu zasysanego 0°C

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

t_c - Temperatura skraplania [°C]

t_e - Temperatura odparowania [°C]



A	497,34 mm
C	221,59 mm
C1	175,7 mm
D	314,82 mm
E	63,52 mm
F	97,79 mm
G	368,54 mm

