

Typ: Sprężarki hermetyczne tłokowe

Producent: Copeland

Typszereg: ZF

Model: ZF40KVE-TFD EVI

Dane techniczne

| | |
|---|------|
| Znamionowa moc silnika [KM]: | 12,5 |
| Wydajność objętościowa [m ³ /h]: | 35,6 |
| Masa [kg]: | 110 |
| Napełnienie olejem [dm ³]: | 4,14 |

Dane elektryczne

| | |
|-------------------------|-----------------|
| Zasilanie [V/~/Hz]: | 380-420V/3/50Hz |
| Prąd zwarcia [A]: | 167 |
| Max. pobór prądu [A]: | 25,1 |
| Oporność uzwojenia [Ω]: | 0,83 |

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 | 10.34 | 13.33 | 16.68 | 20.42 | 24.61 | 29.28 | 34.50 | 40.29 | 46.72 | - |
| 25 | 9.91 | 12.90 | 16.21 | 19.86 | 23.92 | 28.42 | 33.41 | 38.93 | 45.04 | - |
| 30 | 9.59 | 12.60 | 15.88 | 19.46 | 23.40 | 27.73 | 32.51 | 37.77 | 43.58 | 49.97 |
| 35 | 9.29 | 12.34 | 15.60 | 19.12 | 22.94 | 27.12 | 31.70 | 36.72 | 42.24 | 48.29 |
| 40 | 8.93 | 12.01 | 15.27 | 18.74 | 22.47 | 26.51 | 30.90 | 35.69 | 40.93 | 46.66 |
| 45 | 8.40 | 11.54 | 14.80 | 18.24 | 21.89 | 25.80 | 30.01 | 34.59 | 39.56 | 44.98 |
| 50 | 7.61 | 10.82 | 14.11 | 17.52 | 21.10 | 24.89 | 28.95 | 33.32 | 38.03 | 43.15 |
| 55 | 6.48 | 9.77 | 13.09 | 16.49 | 20.01 | 23.70 | 27.61 | 31.79 | 36.27 | 41.10 |
| 60 | 4.91 | 8.29 | 11.66 | - | - | 22.14 | 25.92 | 29.91 | 34.16 | 38.72 |

Pobór mocy [kW]

| $t_c \setminus t_e$ | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 |
|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 20 | 5.17 | 5.71 | 6.14 | 6.49 | 6.82 | 7.15 | 7.55 | 8.05 | 8.69 | - |
| 25 | 5.68 | 6.30 | 6.78 | 7.15 | 7.46 | 7.75 | 8.07 | 8.46 | 8.96 | - |
| 30 | 6.15 | 6.88 | 7.44 | 7.87 | 8.20 | 8.48 | 8.76 | 9.08 | 9.47 | 10.00 |
| 35 | 6.57 | 7.45 | 8.13 | 8.64 | 9.02 | 9.33 | 9.60 | 9.88 | 10.20 | 10.62 |
| 40 | 6.93 | 8.00 | 8.83 | 9.45 | 9.93 | 10.29 | 10.59 | 10.86 | 11.15 | 11.50 |
| 45 | 7.23 | 8.52 | 9.53 | 10.31 | 10.91 | 11.36 | 11.72 | 12.02 | 12.30 | 12.62 |
| 50 | 7.46 | 9.00 | 10.23 | 11.20 | 11.95 | 12.53 | 12.98 | 13.34 | 13.66 | 13.97 |
| 55 | 7.61 | 9.43 | 10.91 | 12.10 | 13.05 | 13.78 | 14.36 | 14.82 | 15.20 | 15.55 |
| 60 | 7.68 | 9.81 | 11.58 | - | - | 15.12 | 15.86 | 16.45 | 16.93 | 17.35 |

Prad [A]

| $t_c \setminus t_e$ | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 20 | 12.23 | 12.86 | 13.34 | 13.72 | 14.06 | 14.41 | 14.82 | 15.36 | 16.06 | - |
| 25 | 12.78 | 13.52 | 14.07 | 14.50 | 14.87 | 15.21 | 15.59 | 16.07 | 16.69 | - |
| 30 | 13.30 | 14.17 | 14.83 | 15.34 | 15.75 | 16.12 | 16.50 | 16.94 | 17.50 | 18.24 |
| 35 | 13.84 | 14.86 | 15.65 | 16.26 | 16.75 | 17.16 | 17.56 | 18.00 | 18.52 | 19.20 |
| 40 | 14.40 | 15.61 | 16.56 | 17.29 | 17.88 | 18.37 | 18.81 | 19.27 | 19.79 | 20.42 |
| 45 | 15.03 | 16.45 | 17.57 | 18.47 | 19.18 | 19.77 | 20.28 | 20.78 | 21.32 | 21.94 |
| 50 | 15.75 | 17.40 | 18.73 | 19.80 | 20.67 | 21.38 | 21.99 | 22.56 | 23.14 | 23.78 |
| 55 | 16.59 | 18.49 | 20.06 | 21.34 | 22.38 | 23.24 | 23.98 | 24.64 | 25.29 | 25.97 |
| 60 | 17.57 | 19.76 | 21.59 | - | - | 25.38 | 26.26 | 27.04 | 27.78 | 28.53 |

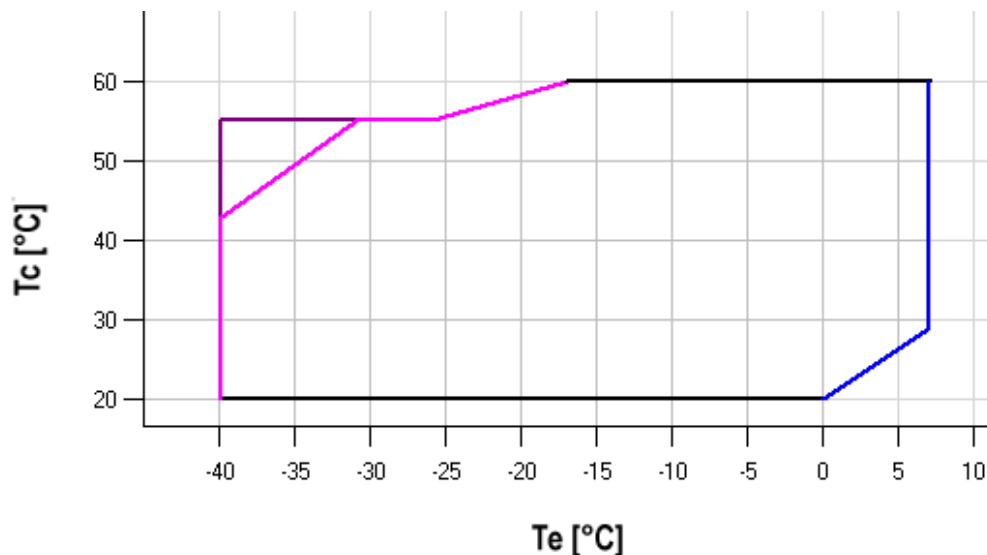
Przepływ masowy [kg/s]

| $t_c \setminus t_e$ | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|-------------|
| 20 | 181.67 | 230.41 | 292.05 | 369.14 | 464.20 | 579.76 | 718.36 | 882.52 | 1 074.78 | - |
| 25 | 170.03 | 221.48 | 283.62 | 358.97 | 450.07 | 559.45 | 689.64 | 843.17 | 1 022.56 | - |
| 30 | 162.61 | 217.70 | 281.24 | 355.78 | 443.83 | 547.94 | 670.63 | 814.44 | 981.89 | 1 175.51 |
| 35 | 156.29 | 215.92 | 281.78 | 356.41 | 442.33 | 542.08 | 658.19 | 793.19 | 949.60 | 1 129.96 |
| 40 | 147.91 | 213.00 | 282.10 | 357.73 | 442.43 | 538.74 | 649.17 | 776.27 | 922.56 | 1 090.58 |
| 45 | 134.34 | 205.80 | 279.03 | 356.59 | 440.98 | 534.75 | 640.43 | 760.54 | 897.62 | 1 054.20 |
| 50 | 112.42 | 191.16 | 269.46 | 349.84 | 434.84 | 526.99 | 628.82 | 742.86 | 871.64 | 1 017.70 |
| 55 | 79.02 | 165.95 | 250.22 | 334.34 | 420.86 | 512.30 | 611.20 | 720.08 | 841.48 | 977.92 |
| 60 | 30.98 | 127.02 | 218.17 | - | - | 487.55 | 584.42 | 689.06 | 803.98 | 931.73 |

C.O.P. [W/W]

| $t_c \setminus t_e$ | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| 20 | 2.00 | 2.33 | 2.72 | 3.15 | 3.61 | 4.09 | 4.57 | 5.01 | 5.38 | - |
| 25 | 1.74 | 2.05 | 2.39 | 2.78 | 3.21 | 3.67 | 4.14 | 4.60 | 5.02 | - |
| 30 | 1.56 | 1.83 | 2.13 | 2.47 | 2.85 | 3.27 | 3.71 | 4.16 | 4.60 | 5.00 |
| 35 | 1.42 | 1.66 | 1.92 | 2.21 | 2.54 | 2.91 | 3.30 | 3.72 | 4.14 | 4.55 |
| 40 | 1.29 | 1.50 | 1.73 | 1.98 | 2.26 | 2.58 | 2.92 | 3.29 | 3.67 | 4.06 |
| 45 | 1.16 | 1.35 | 1.55 | 1.77 | 2.01 | 2.27 | 2.56 | 2.88 | 3.22 | 3.56 |
| 50 | 1.02 | 1.20 | 1.38 | 1.56 | 1.77 | 1.99 | 2.23 | 2.50 | 2.79 | 3.09 |
| 55 | 0.85 | 1.04 | 1.20 | 1.36 | 1.53 | 1.72 | 1.92 | 2.15 | 2.39 | 2.64 |
| 60 | 0.64 | 0.85 | 1.01 | - | - | 1.46 | 1.63 | 1.82 | 2.02 | 2.23 |

Zakres zastosowania

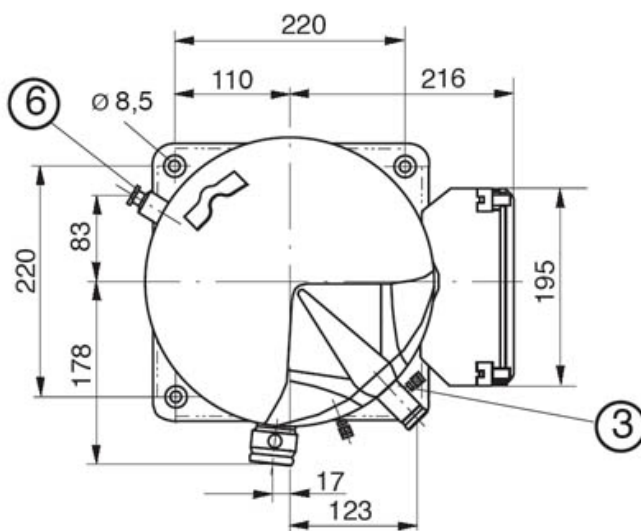
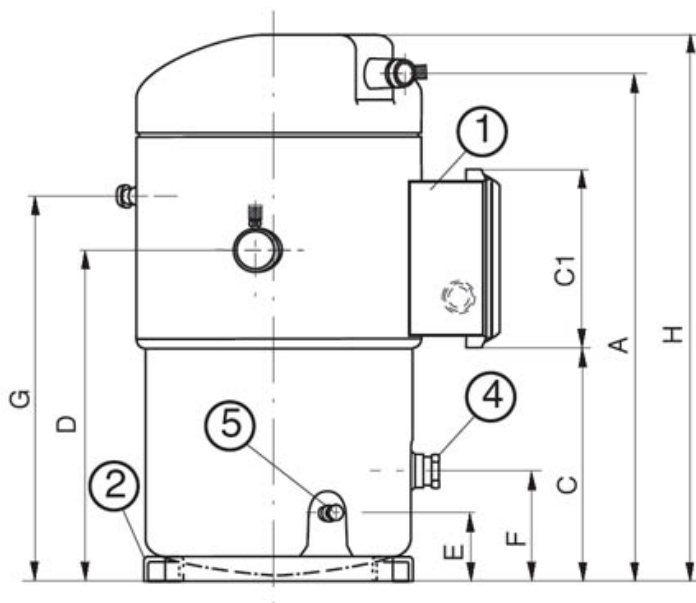


- Maksymalna temperatura parowania
- Temperatura gazu zasysanego 25°C
- Temperatura gazu zasysanego 0°C

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

t_c - Temperatura skraplania [°C]

t_e - Temperatura odparowania [°C]



| | |
|----|-----------|
| A | 504,96 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 |

