

**Type:** Semi-hermetic piston compressors

**Producer:** Copeland

**Series:** DL

## **Model: DLE-201**

### **Technical data**

Nominal motor power [kW]:

Cylinder count: 2

Displacement [m<sup>3</sup>/h]: 9,86

Cylinder capacity [cm<sup>3</sup>]:

RPM [min<sup>-1</sup>]: 1450

Weight [kg]: 84

Oil charge [dm<sup>3</sup>]: 2,3

Power supply [V/~/Hz]:

### **Connections**

|                 | <u>milimeters</u> | <u>inches</u> |
|-----------------|-------------------|---------------|
| Suction line:   | 22                | 7/8"          |
| Discharge line: | 15                | 5/8"          |

R22

### Cooling capacity [W]

| $t_c \setminus t_e$ | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5    | 0     | 5      | 7      | 10     | 12.5   |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 25                  | 1 110 | 1 570 | 2 160 | 2 890 | 3 770 | 4 820 | 6 050 | 7 480 | 9 130 | 11 020 | 11 840 | 13 140 | 14 310 |
| 30                  | 970   | 1 410 | 1 970 | 2 660 | 3 490 | 4 480 | 5 640 | 7 000 | 8 570 | 10 360 | 11 140 | 12 380 | 13 490 |
| 35                  | 840   | 1 260 | 1 780 | 2 430 | 3 210 | 4 140 | 5 240 | 6 530 | 8 010 | 9 710  | 10 460 | 11 640 | 12 700 |
| 40                  | 710   | 1 100 | 1 600 | 2 210 | 2 940 | 3 820 | 4 860 | 6 070 | 7 470 | 9 080  | 9 790  | 10 920 | 11 920 |
| 45                  | 580   | 960   | 1 430 | 2 000 | 2 690 | 3 510 | 4 480 | 5 630 | 6 950 | 8 470  | 9 140  | 10 210 | 11 160 |
| 50                  | 460   | 820   | 1 260 | 1 790 | 2 440 | 3 210 | 4 120 | 5 200 | 6 440 | 7 880  | 8 510  | 9 520  | 10 420 |
| 55                  | -     | -     | 1 100 | 1 600 | 2 200 | 2 920 | 3 780 | 4 780 | 5 950 | 7 300  | 7 900  | -      | -      |
| 60                  | -     | -     | 950   | 1 420 | 1 980 | 2 650 | 3 450 | 4 380 | 5 480 | -      | -      | -      | -      |
| 62                  | -     | -     | 890   | 1 350 | 1 890 | 2 550 | 3 320 | 4 230 | 5 290 | -      | -      | -      | -      |

### Power input [kW]

| $t_c \setminus t_e$ | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    | 5    | 7    | 10   | 12.5 |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 25                  | 0.99 | 1.13 | 1.26 | 1.39 | 1.50 | 1.60 | 1.67 | 1.71 | 1.71 | 1.66 | 1.63 | 1.57 | 1.49 |
| 30                  | 0.97 | 1.12 | 1.27 | 1.42 | 1.56 | 1.69 | 1.79 | 1.86 | 1.90 | 1.90 | 1.88 | 1.84 | 1.79 |
| 35                  | 0.94 | 1.11 | 1.28 | 1.45 | 1.61 | 1.76 | 1.90 | 2.00 | 2.08 | 2.11 | 2.11 | 2.10 | 2.08 |
| 40                  | 0.91 | 1.09 | 1.27 | 1.46 | 1.65 | 1.83 | 1.99 | 2.13 | 2.24 | 2.31 | 2.33 | 2.34 | 2.34 |
| 45                  | 0.88 | 1.07 | 1.27 | 1.47 | 1.68 | 1.88 | 2.07 | 2.24 | 2.39 | 2.50 | 2.53 | 2.57 | 2.59 |
| 50                  | 0.84 | 1.04 | 1.25 | 1.48 | 1.71 | 1.93 | 2.15 | 2.34 | 2.52 | 2.67 | 2.71 | 2.78 | 2.81 |
| 55                  | -    | -    | 1.24 | 1.48 | 1.72 | 1.97 | 2.21 | 2.44 | 2.64 | 2.82 | 2.89 | -    | -    |
| 60                  | -    | -    | 1.22 | 1.47 | 1.73 | 2.00 | 2.26 | 2.52 | 2.75 | -    | -    | -    | -    |
| 62                  | -    | -    | 1.21 | 1.47 | 1.74 | 2.01 | 2.28 | 2.54 | 2.79 | -    | -    | -    | -    |

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

$t_c$  - Condensing temperature [°C]

$t_e$  - Evaporating temperature [°C]



