

**Type:** Semi-hermetic piston compressors

**Producer:** Copeland

**Series:** DK

## **Model: DKSL-15 X**

### **Technical data**

Nominal motor power [kW]:

Cylinder count: 2

Displacement [m<sup>3</sup>/h]: 9,1

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

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

Weight [kg]: 42

Oil charge [dm<sup>3</sup>]: 0,6

Power supply [V/~/Hz]:

### **Connections**

|                 | <u>milimeters</u> | <u>inches</u> |
|-----------------|-------------------|---------------|
| Suction line:   | 15                | 5/8"          |
| Discharge line: | 12                | 1/2"          |

R134a

### **Cooling capacity [W]**

| <b>t<sub>c</sub> \ t<sub>e</sub></b> | <b>-20</b> | <b>-15</b> | <b>-10</b> | <b>-5</b> | <b>0</b> | <b>5</b> | <b>7</b> | <b>10</b> | <b>12.5</b> |
|--------------------------------------|------------|------------|------------|-----------|----------|----------|----------|-----------|-------------|
| <b>30</b>                            | 2 020      | 2 590      | 3 280      | 4 080     | 5 020    | 6 120    | 6 600    | 7 380     | 8 070       |
| <b>35</b>                            | 1 870      | 2 420      | 3 060      | 3 820     | 4 720    | 5 750    | 6 210    | 6 950     | 7 620       |
| <b>40</b>                            | 1 730      | 2 240      | 2 850      | 3 570     | 4 410    | 5 400    | 5 830    | 6 530     | 7 160       |
| <b>45</b>                            | 1 590      | 2 080      | 2 650      | 3 330     | 4 120    | 5 040    | 5 450    | 6 110     | 6 710       |
| <b>50</b>                            | 1 450      | 1 920      | 2 450      | 3 090     | 3 830    | 4 700    | 5 080    | -         | -           |
| <b>55</b>                            | 1 320      | 1 760      | 2 270      | 2 860     | 3 550    | -        | -        | -         | -           |
| <b>60</b>                            | 1 200      | 1 610      | 2 090      | 2 630     | 3 270    | -        | -        | -         | -           |
| <b>62</b>                            | 1 150      | 1 560      | 2 020      | 2 550     | 3 170    | -        | -        | -         | -           |

### **Power input [kW]**

| <b>t<sub>c</sub> \ t<sub>e</sub></b> | <b>-20</b> | <b>-15</b> | <b>-10</b> | <b>-5</b> | <b>0</b> | <b>5</b> | <b>7</b> | <b>10</b> | <b>12.5</b> |
|--------------------------------------|------------|------------|------------|-----------|----------|----------|----------|-----------|-------------|
| <b>30</b>                            | 0.97       | 1.06       | 1.13       | 1.20      | 1.26     | 1.30     | 1.31     | 1.32      | 1.32        |
| <b>35</b>                            | 1.00       | 1.10       | 1.20       | 1.29      | 1.37     | 1.44     | 1.47     | 1.50      | 1.52        |
| <b>40</b>                            | 1.02       | 1.14       | 1.26       | 1.38      | 1.49     | 1.59     | 1.63     | 1.68      | 1.72        |
| <b>45</b>                            | 1.05       | 1.18       | 1.33       | 1.47      | 1.61     | 1.74     | 1.79     | 1.86      | 1.92        |
| <b>50</b>                            | 1.07       | 1.22       | 1.39       | 1.55      | 1.72     | 1.88     | 1.95     | -         | -           |
| <b>55</b>                            | 1.09       | 1.26       | 1.44       | 1.63      | 1.83     | -        | -        | -         | -           |
| <b>60</b>                            | 1.11       | 1.30       | 1.50       | 1.71      | 1.94     | -        | -        | -         | -           |
| <b>62</b>                            | 1.12       | 1.31       | 1.52       | 1.75      | 1.98     | -        | -        | -         | -           |

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

t<sub>c</sub> - Condensing temperature [°C]

t<sub>e</sub> - Evaporating temperature [°C]



