HXK70AT
KAPPA Tropical Compressor
Superior Efficiency
R600a
200-240V 50Hz

General
Code number CDO00124
Approvals EN 60335-2-34 w. Annex AA
Compressors on pallet 100

Application
Application LBP
Frequency Hz 50 60
Evaporating temperature °C -35 to -10 –
Voltage range V 170 to 264 –
Max. condensing temperature continuous (short) °C 65 (70) –
Max. winding temperature continuous (short) °C 130 (130) –

Cooling requirements
Frequency Hz 50 60
Application LBP MBP HBP MBP HBP
32°C S – – – – –
38°C S – – – – –
43°C S – – – – –

Remarks on application:
- Static cooling normally sufficient
- Oil cooling
- Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- Fan cooling 3.0 m/s necessary
- Suction gas cooling normally sufficient
- not applicable in this area

Motor
Motor type RSCR/RSIR
LRA (rated after 4 sec. UL984), HST | LST A – 4.0
Cut in Current, HST | LST A – 12.8
Resistance, main | start winding (25°C) Ω 24.8 14.1

Design
Displacement cm³ 6.64
Oil quantity (type) cm³ 165 (mineral)
Maximum refrigerant charge g 150
Free gas volume in compressor cm³ 1620
Weight without electrical equipment kg 8.2

Dimensions
Height mm A 167.0
B 173.5
Suction connector location/L.D. mm | angle C 6.15 | 35°
material | comment Cu-plated steel | Rubber plug
Process connector location/O.D. mm | angle D 6.00 | 35°
material | comment Copper | Rubber plug
Discharge connector location/L.D. mm | angle E 5.15 | 40°
material | comment Cu-plated steel | Rubber plug
Oil cooler connector location/L.D. mm | angle F –
material | comment –
Connector tolerance I.D. mm ±0.05

Remarks:
### EN 12900 Household

<table>
<thead>
<tr>
<th>Evap. temp. in °C</th>
<th>-45</th>
<th>-40</th>
<th>-35</th>
<th>-30</th>
<th>-25</th>
<th>-23.3</th>
<th>-20</th>
<th>-15</th>
<th>-10</th>
<th>-6.7</th>
<th>-5</th>
<th>0</th>
<th>5</th>
<th>7.2</th>
<th>10</th>
<th>15</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity in W</td>
<td>48.1</td>
<td>66.2</td>
<td>88.5</td>
<td>97.1</td>
<td>115</td>
<td>146</td>
<td>181</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Power cons. in W</td>
<td>50.7</td>
<td>59.9</td>
<td>69.2</td>
<td>72.4</td>
<td>78.6</td>
<td>88</td>
<td>97.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Current cons. in A</td>
<td>0.26</td>
<td>0.30</td>
<td>0.34</td>
<td>0.36</td>
<td>0.38</td>
<td>0.43</td>
<td>0.47</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>COP in W/W</td>
<td>0.95</td>
<td>1.11</td>
<td>1.28</td>
<td>1.34</td>
<td>1.46</td>
<td>1.66</td>
<td>1.86</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

### ASHRAE LBP

<table>
<thead>
<tr>
<th>Evap. temp. in °C</th>
<th>-45</th>
<th>-40</th>
<th>-35</th>
<th>-30</th>
<th>-25</th>
<th>-23.3</th>
<th>-20</th>
<th>-15</th>
<th>-10</th>
<th>-6.7</th>
<th>-5</th>
<th>0</th>
<th>5</th>
<th>7.2</th>
<th>10</th>
<th>15</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity in W</td>
<td>59.6</td>
<td>81.4</td>
<td>108</td>
<td>119</td>
<td>140</td>
<td>178</td>
<td>221</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Power cons. in W</td>
<td>50.9</td>
<td>59.9</td>
<td>69.1</td>
<td>72.3</td>
<td>78.4</td>
<td>87.6</td>
<td>96.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Current cons. in A</td>
<td>0.26</td>
<td>0.3</td>
<td>0.34</td>
<td>0.36</td>
<td>0.38</td>
<td>0.42</td>
<td>0.47</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>COP in W/W</td>
<td>1.17</td>
<td>1.36</td>
<td>1.57</td>
<td>1.64</td>
<td>1.79</td>
<td>2.03</td>
<td>2.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

### ASHRAE LBP

<table>
<thead>
<tr>
<th>Evap. temp. in °C</th>
<th>-45</th>
<th>-40</th>
<th>-35</th>
<th>-30</th>
<th>-25</th>
<th>-23.3</th>
<th>-20</th>
<th>-15</th>
<th>-10</th>
<th>-6.7</th>
<th>-5</th>
<th>0</th>
<th>5</th>
<th>7.2</th>
<th>10</th>
<th>15</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity in W</td>
<td>59.6</td>
<td>81.4</td>
<td>108</td>
<td>119</td>
<td>140</td>
<td>178</td>
<td>221</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Power cons. in W</td>
<td>48.5</td>
<td>57.1</td>
<td>65.9</td>
<td>68.9</td>
<td>74.7</td>
<td>83.5</td>
<td>92.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Current cons. in A</td>
<td>0.24</td>
<td>0.29</td>
<td>0.33</td>
<td>0.34</td>
<td>0.37</td>
<td>0.40</td>
<td>0.44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>COP in W/W</td>
<td>1.23</td>
<td>1.42</td>
<td>1.64</td>
<td>1.72</td>
<td>1.88</td>
<td>2.13</td>
<td>2.40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>7.2</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

### Run capacitor (optional)

- 6.3 mm spade connectors
- Condenser temperature: 55°C
- Ambient temperature: 32°C
- Suction gas temperature (incl. PTC and external protector): 32°C
- Liquid temperature: no subcooling

### Terminal board

- 6.3 mm spade connectors
- DAF5

### Motor protector

- AE 18 FU x
- F5

### Cable clamp

- 11341000

### Cover

- 15759500

### Evaporation tray (optional)

- 11318802

### All-in-one equipment, e.g. 4ZN

- Cover / cable clamp + screws / earthing screw: 16168000