### HKK95AA
**KAPPA LBP Compressor**
**Top Efficiency**
**R600a**
**220-240V 50Hz**

#### General

<table>
<thead>
<tr>
<th>Code number</th>
<th>CDO00042</th>
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<tbody>
<tr>
<td>Approvals</td>
<td>EN 60335-2-34 w. Annex AA</td>
</tr>
<tr>
<td>Compressors on pallet</td>
<td>100</td>
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</tbody>
</table>

#### Application

<table>
<thead>
<tr>
<th>Application</th>
<th>LBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>Hz</td>
</tr>
<tr>
<td>Evaporating temperature °C</td>
<td>-35 to -5</td>
</tr>
<tr>
<td>Voltage range V</td>
<td>187 to 264</td>
</tr>
<tr>
<td>Max. condensing temperature continuous (short) °C</td>
<td>60 (70)</td>
</tr>
<tr>
<td>Max. winding temperature continuous (short) °C</td>
<td>130 (130)</td>
</tr>
</tbody>
</table>

#### Cooling requirements

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Hz</th>
<th>50</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>LBP</td>
<td>MBP</td>
<td>HBP</td>
</tr>
<tr>
<td>32°C</td>
<td>S</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>38°C</td>
<td>S</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>43°C</td>
<td>S</td>
<td>–</td>
<td>–</td>
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</tbody>
</table>

**Remarks on application:**

#### Motor

<table>
<thead>
<tr>
<th>Motor type</th>
<th>RSCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRA (rated after 4 sec. UL984), HST</td>
<td>LST</td>
</tr>
<tr>
<td>Cut in Current, HST</td>
<td>LST</td>
</tr>
<tr>
<td>Resistance, main</td>
<td>start winding (25°C) Ω</td>
</tr>
</tbody>
</table>

#### Design

| Displacement cm³ | 9.6 |
| Oil quantity (type) cm³ | 165 (mineral) |
| Maximum refrigerant charge g | 150 |
| Free gas volume in compressor cm³ | 1560 |
| Weight without electrical equipment kg | 9.0 |

#### Dimensions

<table>
<thead>
<tr>
<th>Height mm</th>
<th>A 167.0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B 173.5</td>
</tr>
<tr>
<td>Suction connector location/I.D. mm</td>
<td>angle</td>
</tr>
<tr>
<td>material</td>
<td>comment</td>
</tr>
<tr>
<td>C 6.15</td>
<td>35° Copper</td>
</tr>
<tr>
<td>Process connector location/O.D. mm</td>
<td>angle</td>
</tr>
<tr>
<td>material</td>
<td>comment</td>
</tr>
<tr>
<td>D 6.00</td>
<td>35° Copper</td>
</tr>
<tr>
<td>Discharge connector location/I.D. mm</td>
<td>angle</td>
</tr>
<tr>
<td>material</td>
<td>comment</td>
</tr>
<tr>
<td>E 5.15</td>
<td>40° Copper</td>
</tr>
<tr>
<td>Oil cooler connector location/I.D. mm</td>
<td>angle</td>
</tr>
<tr>
<td>material</td>
<td>comment</td>
</tr>
<tr>
<td>F –</td>
<td></td>
</tr>
<tr>
<td>Connector tolerance I.D. mm</td>
<td>±0.05</td>
</tr>
</tbody>
</table>

**Remarks:**

- **S** = Static cooling normally sufficient
- **O** = Oil cooling
- **F₁** = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- **F₂** = Fan cooling 3.0 m/s necessary
- **SG** = Suction gas cooling normally sufficient
- – = not applicable in this area
### 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>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>68.6</td>
<td>94.5</td>
<td>126</td>
<td>138</td>
<td>163</td>
<td>206</td>
<td>255</td>
<td>290</td>
<td>309</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power cons. in W</td>
<td>65.2</td>
<td>76.8</td>
<td>89.4</td>
<td>93.9</td>
<td>103</td>
<td>117</td>
<td>131</td>
<td>141</td>
<td>146</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current cons. in A</td>
<td>0.32</td>
<td>0.37</td>
<td>0.42</td>
<td>0.43</td>
<td>0.46</td>
<td>0.51</td>
<td>0.56</td>
<td>0.60</td>
<td>0.61</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COP in W/W</td>
<td>1.05</td>
<td>1.23</td>
<td>1.41</td>
<td>1.47</td>
<td>1.59</td>
<td>1.77</td>
<td>1.94</td>
<td>2.06</td>
<td>2.12</td>
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### ASHRAE LBP

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<th>10</th>
<th>15</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity in W</td>
<td>83.7</td>
<td>115</td>
<td>154</td>
<td>168</td>
<td>199</td>
<td>251</td>
<td>310</td>
<td>353</td>
<td>376</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Power cons. in W</td>
<td>65.0</td>
<td>76.5</td>
<td>88.9</td>
<td>93.4</td>
<td>102</td>
<td>116</td>
<td>130</td>
<td>140</td>
<td>145</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>COP in W/W</td>
<td>1.29</td>
<td>1.51</td>
<td>1.73</td>
<td>1.80</td>
<td>1.95</td>
<td>2.16</td>
<td>2.38</td>
<td>2.53</td>
<td>2.60</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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### Accessories for HKK95AA

- **Run capacitor (compulsory)** 4.8 mm or 6.3 mm spade connectors: 4 µF
- **Terminal board** (incl. PTC, external protector): ZAFC / DAFC
- **Motor Protector**: AE 15 BU x FC
- **Cable clamp (screws not included)**: 113410
- **Cover**: 157595
- **Evaporation tray (optional)**: 113188
- **All-in-one equipment, e.g. 4ZN**

### Test conditions

<table>
<thead>
<tr>
<th></th>
<th>EN 12900 Household</th>
<th>ASHRAE LBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condensing temperature</td>
<td>55°C</td>
<td>54.4°C</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>32°C</td>
<td>32°C</td>
</tr>
<tr>
<td>Suction gas temperature</td>
<td>32°C</td>
<td>32°C</td>
</tr>
<tr>
<td>Liquid temperature</td>
<td>no subcooling</td>
<td>32°C</td>
</tr>
</tbody>
</table>

### Mounting accessories

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

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