Oil nozzles type KH are designed for domestic high-pressure oil burners on the Japanese market operating with kerosene. They are available with spray angle 60°, spray pattern H and sizes from 0.4 to 1.75 USgal/h. The nozzles are equipped with sintered bronze filters.

Application and Features
- Kerosene
- 100% test of capacity and performance

Identification
The nozzle is marked with the following information:

- Danfoss
- 1.00
- 60°
- KH

- Serial number for internal use
- Reference capacity (USgal/h)
- Specification point:
  - 700 kPa (7 bar), 1.7 cSt,
  - 790 kg/m³
- Capacity tolerance: ± 5%
- Spray angle
- Spray pattern (KH = Kerosene Hollow)

Design

Spray angles

Spray pattern
General data sheet Oil Nozzles Type KH

Technical Data

Filters

Capacity 0.40-0.65 USgal/h:
45 μm sintered bronze

Capacity 0.75-1.35 USgal/h:
75 μm sintered bronze

Capacity 1.40-1.75 USgal/h:
140 μm monel mesh

Tightening torques

| Recommended tightening torque | 15 to 20 Nm (1.5 to 2.0 kpm) |
| Max. tightening torque         | 25 Nm (2.5 kpm)               |

Dimensions

Oil Nozzles Type KH

<table>
<thead>
<tr>
<th>Reference capacity USgal/h</th>
<th>Spray angle/ patterns</th>
<th>Specified capacity l/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40</td>
<td>60°H</td>
<td>1.40</td>
</tr>
<tr>
<td>0.50</td>
<td>60°H</td>
<td>1.81</td>
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<tr>
<td>0.65</td>
<td>60°H</td>
<td>2.30</td>
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<tr>
<td>0.75*</td>
<td>60°H</td>
<td>2.70</td>
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<tr>
<td>0.85</td>
<td>60°H</td>
<td>3.30</td>
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<tr>
<td>1.00</td>
<td>60°H</td>
<td>3.80</td>
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<tr>
<td>1.10</td>
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<td>5.70</td>
</tr>
<tr>
<td>1.75</td>
<td>60°H</td>
<td>6.30</td>
</tr>
</tbody>
</table>

*Nozzles marked KHF have 45 μm sintered bronze filter.

Oil Nozzles Type KH

Additional documentation on burner components is available on http://heating.danfoss.com/ or https://store.danfoss.com/

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