HC PUMP

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Erosion machines,
- Circulation systems. HC Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

- Pump body: Cast iron - DIN GG 25
- Inlet body: Cast iron - DIN GG 25
- Diffuser: Stainless steel - DIN 4301 (AISI 304)
- Impeller: Stainless steel - DIN 4301 (AISI 304)
- Stage cover: Stainless steel - DIN 4301 (AISI 304)
- Pump shaft: Stainless steel - DIN 4401 (AISI 316)
- O-ring: Viton
- Mechanical seal: C - SiC - Viton
  - TuC - SiC - Viton (Optional)
  - TuC - TuC - Viton (Optional)
- Electric motor: 3 phase induction motor
  - 2 pole, 3000 rpm
  - Protection degree IP 55
**DIMENSIONS & NOMINAL VALUES**

<table>
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<tr>
<th>TYPE</th>
<th>L4</th>
<th>L3</th>
<th>L2</th>
<th>L1</th>
<th>Weight</th>
<th>Power</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Rated current</th>
<th>Speed</th>
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<td>137</td>
<td>127</td>
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<td>169</td>
<td>419</td>
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* The performance curves are based on 1 mm²/s (cSt) kinematic viscosity values and 1000 kg/m³ density
** Curve tolerance according to EN ISO 9906.
*** HC/05, HC/06 and HC/07 pumps have IE2 motors. According to IEC 60034-30-1:2014 standard these pumps are excluded from efficiency class since their motors are completely integrated into the pump.