



HD PUMP

60 Hz

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Erosion machines,
- Circulation systems. HD 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 TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor - 2 pole, Protection degree IP 55



* The performance curves are based on 1 mm²/s (cSt) kinematic viscosity values and 997 kg/m³ density
 ** Curve tolerance according to ISO 9906:2012 Grade 3B.
 *** HD/03 and HD/04 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.

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Volumetric Delivery (l/min)	HD 04 (m)	HD 03 (m)	HD 02 (m)
0	58	44	30
40	53	40	27
80	45	34	22
120	33	24	16
160	18	12	8
170	12	8	5