



HCD PUMP

60 Hz

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Especially used for deep hole boring operations due to supply 25 bar pressure,
- Circulation systems. HCD 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:

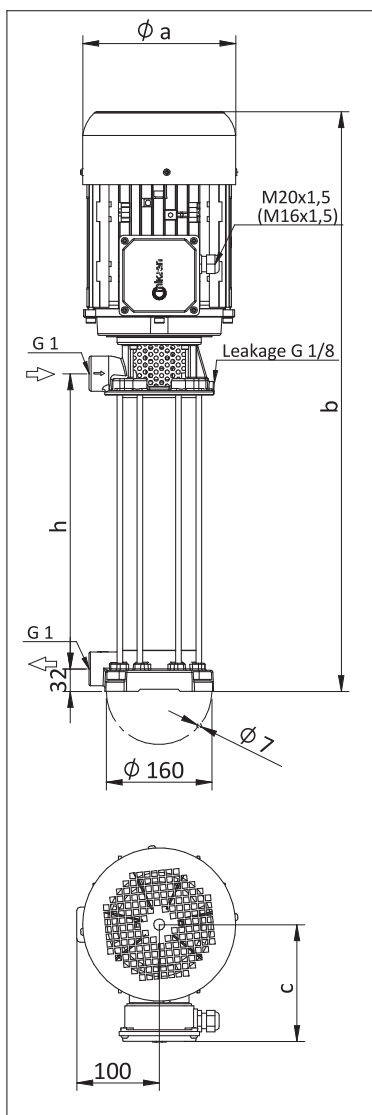
Pump body	: Cast iron - DIN GG 25
Cover	: Cast iron - DIN GG 25
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor IE3 - 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.

DIMENSIONS & NOMINAL VALUES

60 Hz



TYPE	Length h (mm)	Weight			Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		a	b	c					
		mm							
HCD 08	316	157	655	118	27.0	1.8	265/460	5.72/3.3	3490
HCD 10	316	176	680	139	30.5	2.65		7.79/4.5	3490
HCD 12	420	176	816	139	37.0	3.6		10.4/6.0	3495
HCD 15	420	194	816	150	38.0	3.6		10.4/6.0	3495
HCD 17	524	194	920	150	41.0	4.8		13.5/7.8	3485

