



HDD PUMP

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. HDD 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

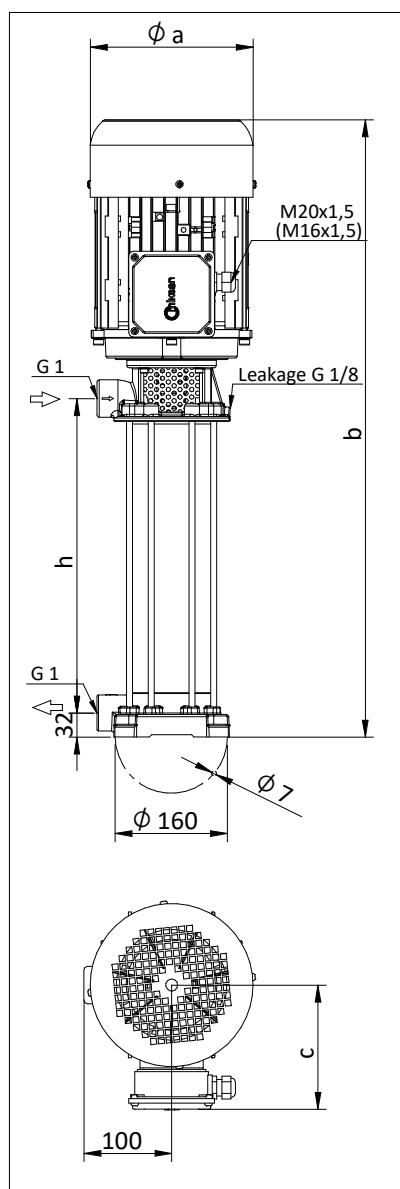
Materials:

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 TuC - SiC - Viton (Optional) TuC - TuC - Viton (Optional)
Electric motor	: 3 phase induction motor 2 pole, 3000 rpm Protection degree IP 55

* M16x1,5 cable gland is used on HDD/08 pump.

** 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.



DIMENSIONS & NOMINAL VALUES

TYPE	Length	Weight			Power	Voltage	Frequency	Rated current	Speed	
	h (mm)	a	b	c	kg	kW	V(Δ/Y)	Hz	A	rpm
		mm								
HDD/08	316	176	655	139	26.0	1.5	230/400	50	5.72/3.3	2910
HDD/10	316	176	680	139	29.0	2.2	230/400		7.79/4.5	2905
HDD/12	420	194	816	150	37.5	3.0	230/400		10.39/6.0	2905
HDD/15	420	194	816	150	38.0	3.0	230/400		10.39/6.0	2905
HDD/17	524	194	920	150	42.0	4.0	230/400		13.68/7.9	2900
HDD/20	524	194	920	150	42.5	4.0	230/400		13.68/7.9	2900
HDD/22	628	218	1024	163	49.5	5.5	230/400		17.15/9.9	2900
HDD/25	628	218	1024	163	50.0	5.5	230/400		17.15/9.9	2900

Performance Curve

