



HDB 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. HDB Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

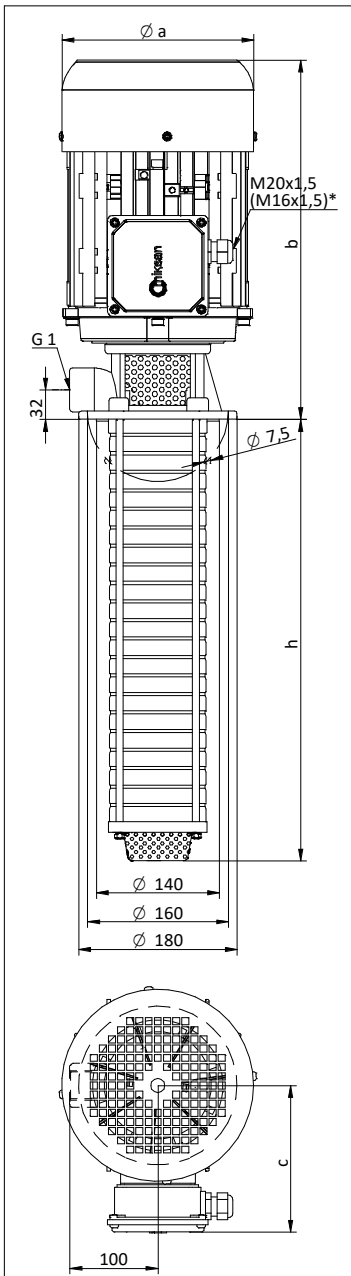
- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
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 HDB/06 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	Depth of immersion h (mm)	a			Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		a	b	c						
HDB/06	206	157	319	118	17.0	1.1	230/400	50	4.16/2.4	2890
HDB/08	248	176	340	139	21.5	1.5	230/400		5.72/3.3	2910
HDB/10	291	176	365	139	25.0	2.2	230/400		7.79/4.5	2905
HDB/12	333	194	397	150	32.0	3.0	230/400		10.39/6.0	2905
HDB/15	396	194	397	150	33.0	3.0	230/400		10.39/6.0	2905
HDB/17	438	194	397	150	36.0	4.0	230/400		13.68/7.9	2900
HDB/20	501	194	397	150	37.0	4.0	230/400		13.68/7.9	2900
HDB/22	543	218	406	163	41.5	5.5	230/400		17.15/9.9	2900
HDB/25	606	218	406	163	42.5	5.5	230/400		17.15/9.9	2900

Performance Curve

