



HDB 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. 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:

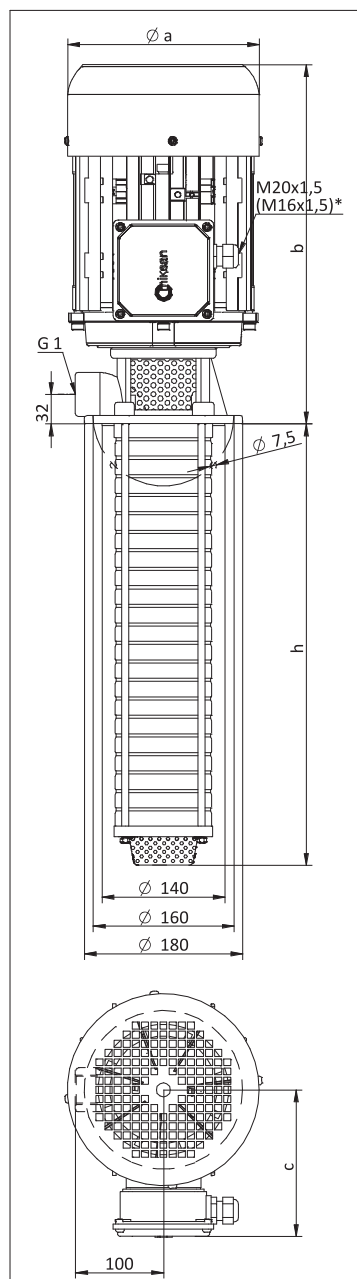
Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton 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



	Depth of immersion				Weight	Power	Voltage	Frequency	Rated current	Speed
TYPE	h (mm)	a	b	c	kg	kW	V(Δ/Y)	Hz	A	rpm
		mm								
HDB 06	206	176	340	139	24.5	2.65	265/460	60 Hz	7.79/4.5	3490
HDB 08	248	176	340	139	25.0	2.65			7.79/4.5	3490
HDB 10	291	194	397	150	31.5	3.6			10.4/6.0	3495
HDB 12	333	194	397	150	35.5	4.8			13.5/7.8	3485
HDB 15	396	194	397	150	36.0	4.8			13.5/7.8	3485
HDB 17	438	218	410	163	42.0	6.6			18.4/10.6	3520

