



HCB 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. HCB 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:

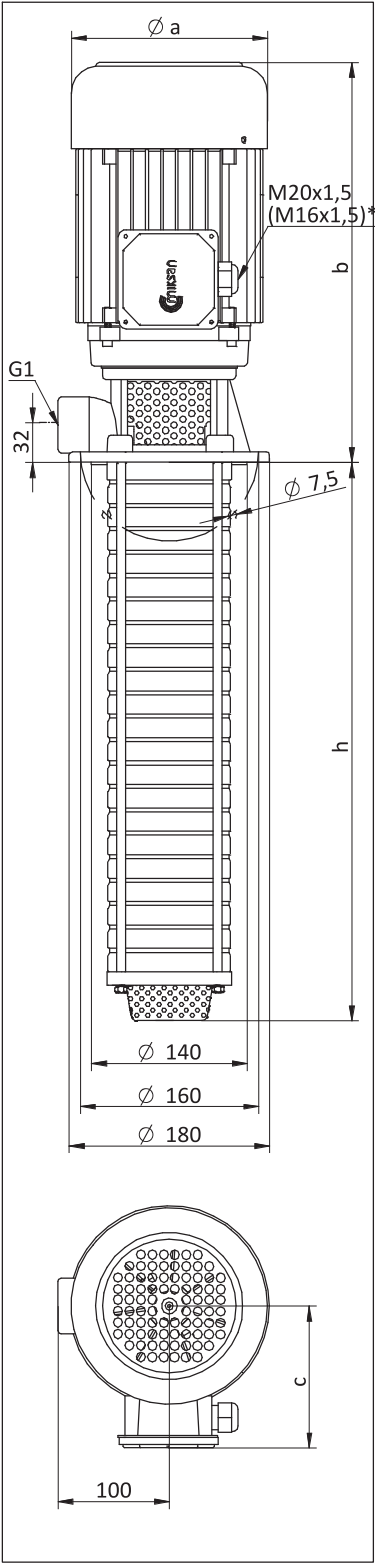
Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor IE3 - 2 pole, Protection degree IP 55

* M16x1,5 cable gland is used on HCB/06 and HCB/08 pumps.

** 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



TYPE	Depth of immersion h (mm)	a	b	c	Weight	Power	Voltage	Frequency	Rated current	Speed
		mm			kg	kW	V(ΔΥ)	Hz	A	rpm
	HCB 06	206	157	319	118	17.0	1.1	230/400	50	4.16/2.4
HCB 08	248	157	319	118	17.5	1.1			4.16/2.4	2890
HCB 10	291	176	365	139	25.0	2.2			7.79/4.5	2905
HCB 12	333	176	365	139	25.5	2.2			7.79/4.5	2905
HCB 15	396	194	397	150	33.0	3.0			10.39/6.0	2905
HCB 17	438	194	397	150	33.5	3.0			10.39/6.0	2905
HCB 20	501	194	397	150	37.0	4.0			13.68/7.9	2900
HCB 22	543	194	397	150	37.5	4.0			13.68/7.9	2900
HCB 25	606	194	397	150	39.5	4.0			13.68/7.9	2900

Performance Curve

