



HFB PUMP

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Especially used for deep hole boring operations due to supply 23 bar pressure,
- Circulation systems. HFB 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:

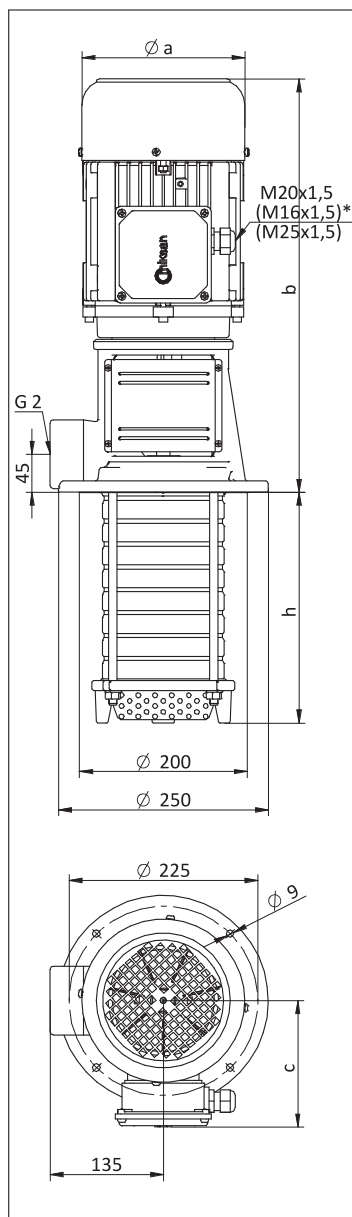
Pump body	: Cast iron - DIN GG 25
Bottom plate	: Cast iron - DIN GG 25
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: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

* M25x1,5 cable gland is used on HFB 07 and over.

** 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				Weight	Power	Voltage	Frequency	Rated current	Speed
		a	b	c						
	h (mm)	mm			kg	kW	V(Δ/Y)	Hz	A	rpm
HFB 02	195	176	462	139	30.0	2.2	230/400 Δ	50	7.79/4.5	2905
HFB 03	195	194	489	150	35.5	3.0		10.39/6.0	2905	
HFB 04	230	194	489	150	38.5	4.0		13.68/7.9	2900	
HFB 05	264	218	502	163	51.0	5.5		17.15/9.9	2900	
HFB 06	299	258	578	177	73.0	7.5		14.0	2930	
HFB 07	333	258	578	177	73.5	7.5		14.0	2930	
HFB 08	368	258	578	177	74.0	7.5		14.0	2930	
HFB 10	437	258	618	177	80.5	11		19.7	2930	
HFB 12	506	258	618	177	82.0	11		19.7	2930	
HFB 14	575	258	618	177	94.0	15		26.9	2945	
HFB 16	644	258	618	177	95.5	15	26.9	2945		

Performance Curve

