



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 25 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

- * M20x1,5 cable gland is used on HFB 02 and HFB 03 pumps
- ** M25x1,5 cable gland is used on HFB 04 to HFB 08 pumps.
- *** M32x1,5 cable gland is used on HFB 04 to HFB 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.

