



HFD 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. HFD 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 (cSt)

Materials:

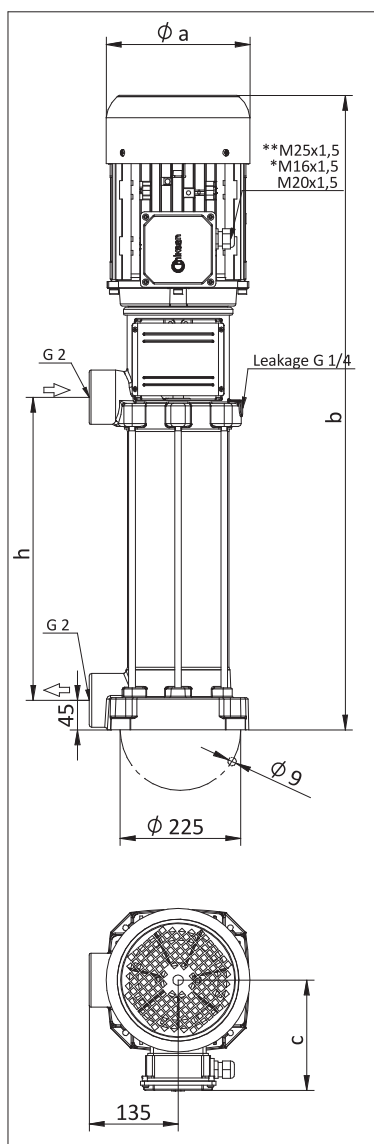
Pump body	: Cast iron - DIN GG 25
Cover	: Cast iron - DIN GG 25
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor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

* M25x1,5 cable gland is used on HFD 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	Length h (mm)	mm			Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		a	b	c						
HFD 02	300	176	761	139	37.5	2.2	230/400	50	7.79/4.5	2905
HFD 03	300	194	802	150	43.0	3.0			10.39/6.0	2905
HFD 04	300	194	802	150	45.5	4.0			13.68/7.9	2900
HFD 05	300	218	914	163	57.5	5.5			17.15/9.9	2900
HFD 06	404	258	1094	177	80.0	7.5	400 Δ		14.0	2930
HFD 07	404	258	1094	177	80.5	7.5			14.0	2930
HFD 08	404	258	1094	177	81.0	7.5			14.0	2930
HFD 10	542	258	1262	177	89.0	11			19.7	2930
HFD 12	542	258	1262	177	89.5	11			19.7	2930
HFD 14	680	258	1400	177	102.0	15			26.9	2945
HFD 16	680	258	1400	177	102.5	15			26.9	2945

Performance Curve

