

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 25 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)
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 HFD 02 and HFD 03 pumps

** M25x1,5 cable gland is used on HFD 04 to HFD 08 pumps.

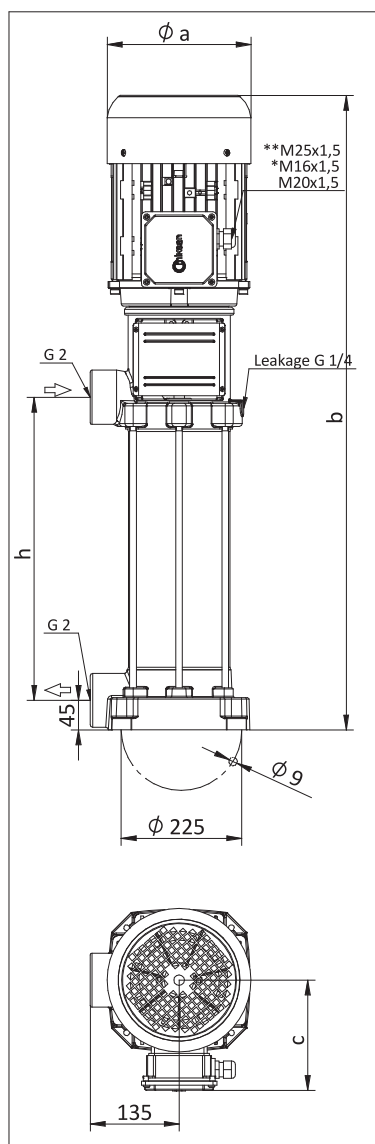
*** M32x1,5 cable gland is used on HFD 04 to HFD 08 pumps.

**** 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

60 Hz



TYPE	Length			Weight	Power	Voltage	Frequency	Rated current	Speed	
	h (mm)	a	b							c
		mm			kg	kW	V(ΔY)	Hz	A	rpm
HFD 02	300	176	802	139	42.5	4.8	265/460	50	13.68/7.9	3485
HFD 03	300	194	802	150	43.0	4.8			13.68/7.9	3485
HFD 04	300	194	990	150	79.0	9.0	460 Δ		14.0	3505
HFD 05	300	218	990	163	79.5	9.0			14.0	3505
HFD 06	404	258	1124	177	84.5	13.2			19.7	3510
HFD 07	404	258	1124	177	85.0	13.2			19.7	3510
HFD 08	404	258	1124	177	100.5	17.4			26.7	3540
HFD 10	542	316	1372	224	124.0	22.2			31.7	3525
HFD 12	542	316	1372	224	125.0	22.2			31.7	3525

