

HED 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. HED 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

* M16x1,5 cable gland is used on HED 02 and HED 03 pumps.

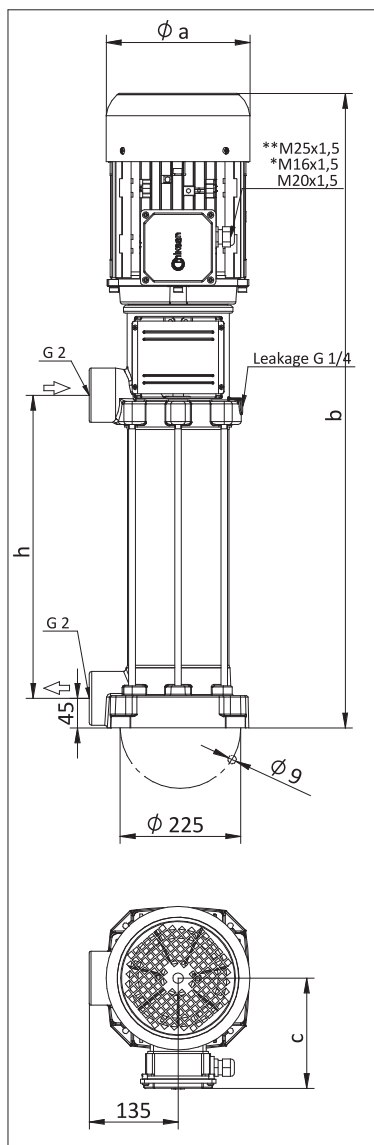
** M25x1,5 cable gland is used on HED 16, HED 18 and HED 20 pumps.

*** 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				kW	V(ΔY)	Hz	A	rpm
HED 02	269	176	705	139	38.0	1.8	265/460 460 Δ	60 Hz	5.72/3.3	3490
HED 03	269	176	730	139	41.5	2.65			7.79/4.5	3490
HED 04	269	194	762	150	48.0	3.6			10.4/6.0	3495
HED 05	269	194	762	150	48.5	3.6			10.4/6.0	3495
HED 06	350	194	843	150	52.0	4.8			13.5/7.8	3485
HED 07	350	218	856	163	58.5	6.6			18.4/10.6	3520
HED 08	350	218	856	163	59.0	6.6			18.4/10.6	3520
HED 10	460	258	1021	177	84.0	9.0			14.0	3505
HED 12	460	258	1021	177	84.5	9.0	14.0	3505		
HED 14	568	258	1159	177	95.0	13.2	19.7	3510		

Performance Curve

