



HDA PUMP

60 Hz

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Cooling systems,
- Circulation systems. HDA Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

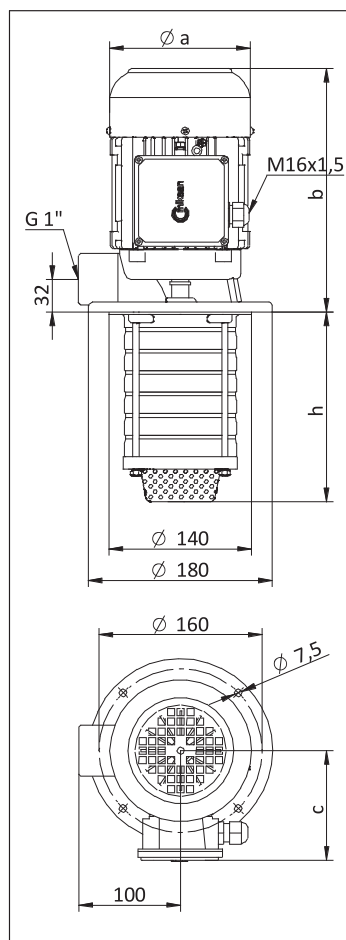
- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
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

DIMENSIONS & NOMINAL VALUES

60 Hz



	Depth of immersion	Weight			Power	Voltage	Frequency	Rated current	Speed	
TYPE	h (mm)	a	b	c	kg	kW	V(Δ/Y)	Hz	A	rpm
		mm								
HDA 02	143	138	240	111	11.2	0.66	265/460	60	2.25/1.3	3330
HDA 03	143				13.0	1.32			4.85/2.8	3260
HDA 04	164				13.4	1.32			4.85/2.8	3260

* The performance curves are based on $1 \text{ mm}^2/\text{s}$ (cSt) kinematic viscosity values and 997 kg/m^3 density

** Curve tolerance according to ISO 9906:2012 Grade 3B.

*** HDA/04, HDA/05 and HDA/06 pumps have IE2 motors. According to IEC 60034-30-1:2014 standard these pumps are excluded from efficiency class since their motors are completely integrated into the pump.

Performance Curve

