



EP 150 PUMP

Applications:

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

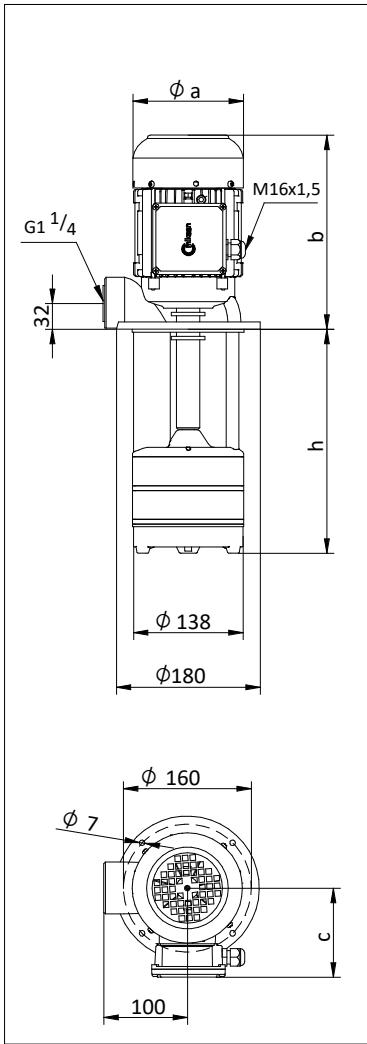
Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 8mm)
- Fluid temperature 0...60 °C
- Kinematic viscosity 1...90 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Volute	: Cast iron - DIN GG 25
Impeller	: Investment casting steel - AISI 4140 (DIN 42CrMo4)
Pump shaft	: Engineering steel - AISI 1040 (DIN C35)
Electric motor	: 3 phase induction motor 2 pole, 3000 rpm Protection degree IP 55

DIMENSIONS & NOMINAL VALUES



TYPE	Depth of immersion h (mm)	mm			Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		a	b	c						
EP 150/200	200	138	242	111	15.1	0.37	230/400	50	1.84/1.05	2790
EP 150/270	270				15.7					
EP 150/350	350				16.5					
EP 150/440	440				19.0					
EP 150/550	550				20.6					
EP 152/240	240	138	242	111	18.8	1.1	230/400	50	4.85/2.8	2720
EP 152/310	310				19.4					
EP 152/390	390				20.2					
EP 152/480	480				23.7					
EP 153/280	280	138	242	111	21.7	1.1	230/400	50	4.85/2.8	2720
EP 153/350	350				22.3					
EP 153/430	430				23.1					
EP 153/520	520				26.6					

* Pump dimensions according to EN 12157.

** The performance curves are based on $1 \text{ mm}^2/\text{s}$ (cSt) kinematic viscosity values and 1000 kg/m^3 density

*** Curve tolerance according to EN ISO 9906.

**** EP 152 and EP 153 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

