



FP40 PUMP

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Cooling systems,
- Circulation systems. FP40 Pumps are used for pumping of cutting / cooling fluids.
- It has a peripheral impeller so it is recommended to use filtered fluid applications.

Fluid Specifications:

- Coolants,
- Cutting oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...90 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25 Bronze (Optional)
Volute	: Cast iron - DIN GG 25 Bronze (Optional)
Impeller	: Brass
Pump shaft	: Engineering steel - AISI 1040 (DIN C35) Stainless steel- AISI 420(DIN X20Cr13) (Optional)
Electric motor	: 3 phase induction motor 2 pole, 3000 rpm Protection degree IP 55

DIMENSIONS & NOMINAL VALUES

	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								
FP 40/15	150	123	190	95	7.8	0.40	230/400	50	2.43/1.4	2730
FP 40/20	200				8.0					
FP 40/25	250				8.5					
FP 40/30	300				8.6					
FP 42/13	130	138	240	111	11.4	1.1	230/400	50	4.85/2.8	2720
FP 42/17	170				11.6					
FP 42/22	220				11.8					
FP 42/27	270				12.0					
FP 43/15	155	176	330	139	20.5	1.5	230/400	50	5.72/3.3	2910
FP 43/19	195				20.7					
FP 43/24	245				20.9					
FP 43/29	295				21.1					

* M20x1,5 cable gland is used on FP 43 pumps.

** Pump dimensions according to EN 12157.

*** The performance curves are based on 1 mm²/s (cSt) kinematic viscosity values and 1000 kg/m³ density

**** Curve tolerance according to EN ISO 9906.

***** FP 42 pump has IE2 motor. According to IEC 60034-30-1:2014 standard this pump is excluded from efficiency class since its motor is completely integrated into the pump.

Performance Curve

