



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.

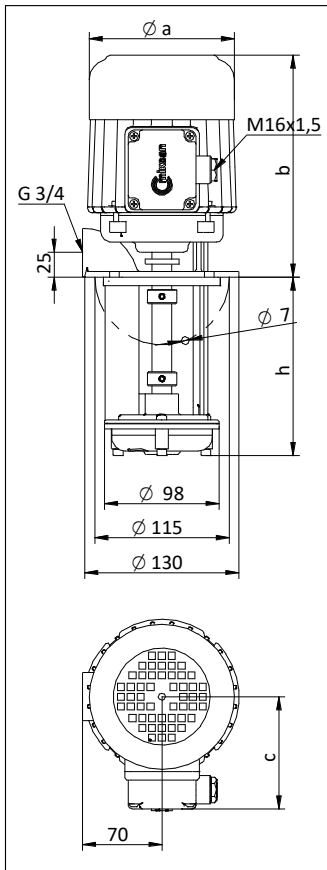
Fluid Specifications:

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

Materials:

| | |
|----------------|--|
| Pump body | : Cast iron - DIN GG 25 |
| Volute | : Cast iron - DIN GG 25 |
| 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, 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 | | | | | | |
| 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 | | | | | |

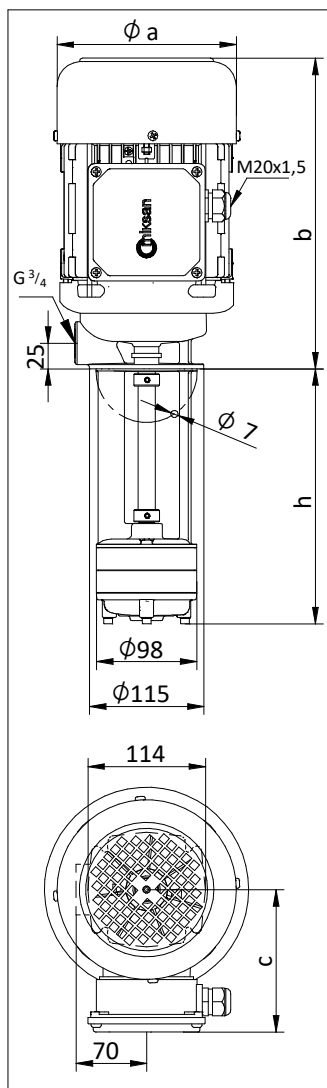
* M20x1,5 cable gland is used on FP 43 pumps.

** 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

