

GPC PUMP



Applications:

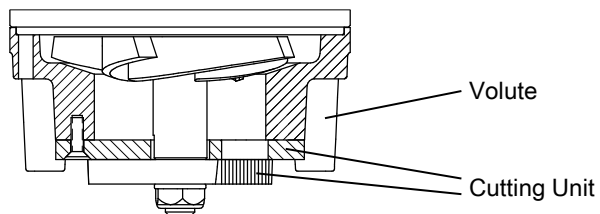
- GPC pump is equipped with a cutting unit for shredding aluminium and plastic chips during the pumping of cutting and cooling fluids.
- Chip to coolant ratios up to 1.5% by weight for aluminium.
- Chip to coolant ratios up to 0.3% by weight for plastic.
- Chip permeability up to 15 mm.
- Different immersion depth options.
- Flow rate up to 350 l/min.

Fluid Specifications:

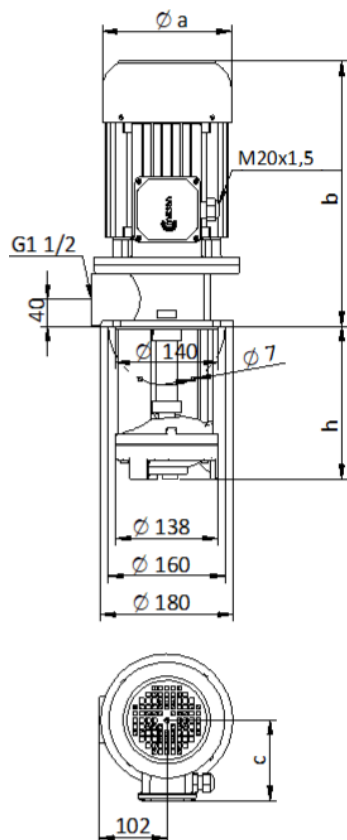
- Coolants,
- Cutting oils,
- Grinding oils,
- Fluid temperature: 0...80 °C for aluminium chips, 0...60 °C for plastic chips
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Volute	: Cast iron - DIN GG 25
Impeller	: Brass
Cutting Unit	: Hardened Steel (>60 HRC)
Pump shaft	: Engineering steel - AISI 1040 (DIN C35)
Electric motor	: 3 phase induction motor IE3 - 2 pole Protection degree IP 55



DIMENSIONS & NOMINAL VALUES



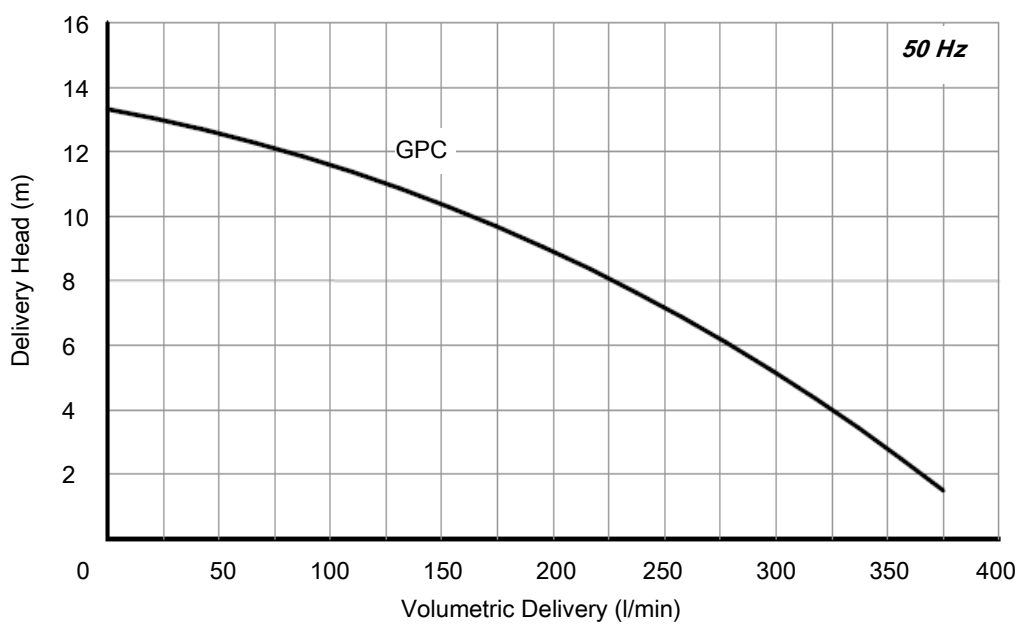
TYPE	Depth of immersion h (mm)				Weight	Power	Voltage	Frequency	Rated current	Speed
		a	b	c	kg	kW	V(Δ/Y)	Hz	A	rpm
		mm								
GPC 200	230	176	338	139	30.5	1.5	230/400	50	5.72/3.3	2910
GPC 270	300				32.0					
GPC 350	380				33.0					
GPC 440	470				34.5					

* Pump dimensions according to EN 12157.

** 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.

Performance Curve



IPC PUMP

Applications:

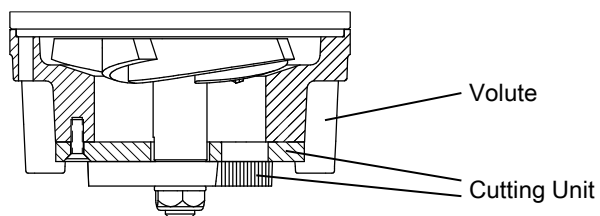
- IPC pump is equipped with a cutting unit for shredding aluminium and plastic chips during the pumping of cutting and cooling fluids.
- Chip to coolant ratios up to 1.5% by weight for aluminium.
- Chip to coolant ratios up to 0.3% by weight for plastic.
- Chip permeability up to 15 mm.
- Different immersion depth options.
- Flow rate up to 500 l/min.

Fluid Specifications:

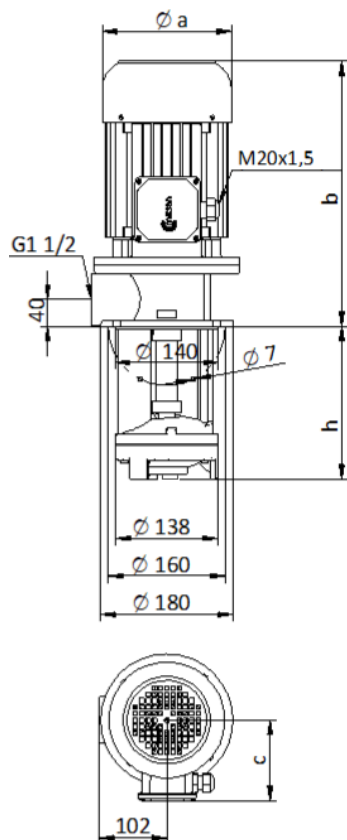
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Electric motor	: 3 phase induction motor IE3 - 2 pole Protection degree IP 55



DIMENSIONS & NOMINAL VALUES



TYPE	Depth of immersion h (mm)	Weight			Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm	
		a	b	c						
		mm								
IPC 210	240	176	363	139	34.0	2.2	230/400	50	7.79/4.5	2905
IPC 280	310				34.5					
IPC 360	390				35.5					
IPC 450	480				36.5					

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Performance Curve

