



JB 420 PUMP

Applications:

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

Fluid Specifications:

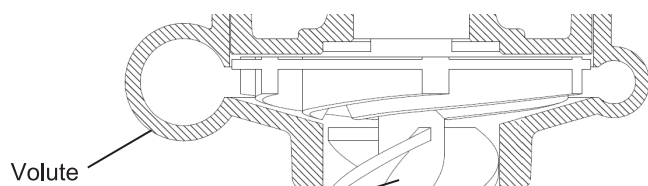
- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 10mm)
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...90 mm²/s

Materials:

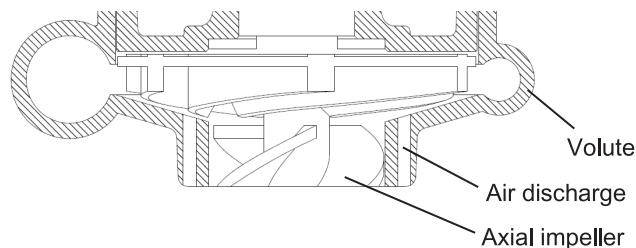
Pump body	: Cast iron - DIN GG 25
Volute	: Cast iron - DIN GG 25
Diffusor	: Cast iron - DIN GG 25
Suction Cover	: Cast iron - DIN GG 25
Impeller	: Investment casting steel - AISI 4140 (DIN 42CrMo4)
Pump shaft	: Engineering steel - AISI 1040 (DIN C35)
Electric motor	: 3 phase induction motor IE3 - 2 pole Protection degree IP 55

* JB 420 pumps can be optionally equipped with an axial impeller.

** Please contact us for different immersion depth.

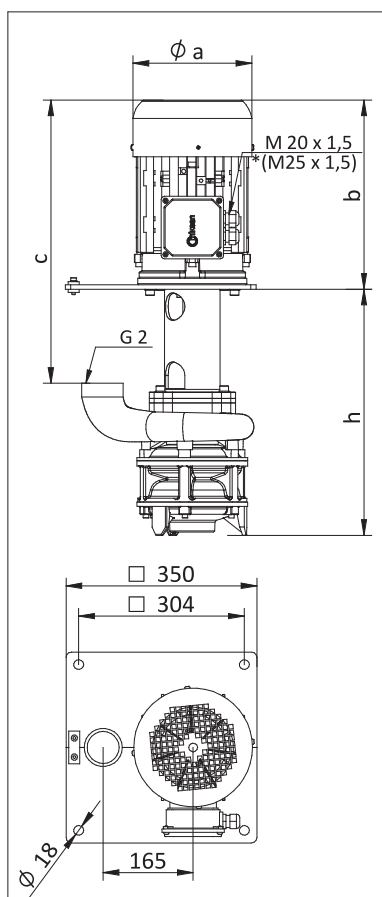


JB 420 - Axial front impeller



JBH 420 - Axial front impeller
with air release

DIMENSIONS & NOMINAL VALUES



TYPE	Depth of Immersion	Weight			Power	Voltage	Frequency	Rated current	Speed	
		a	b	c						
	h (mm)	mm			kg	kW	V(Δ/Y)	Hz	A	rpm
JB 421/300	300	194	338	510	49.5	3.0	230/400	50	10.39/6.0	2905
JB 421/520	520			730	56.0					
JB 421/740	740			950	62.5					
JB 422/375	375	218	353	525	62.5	5.5	230/400	50	17.15/9.9	2900
JB 422/595	595			745	69.0					
JB 423/450	450	258	438	610	93.5	7.5	400Δ	50	14.0	2930
JB 423/670	670			830	100.0					
JB 424/525	525	258	438	610	109.5	11.0	400Δ	50	19.7	2930
JB 424/745	745			830	116.0					

* 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

