

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.

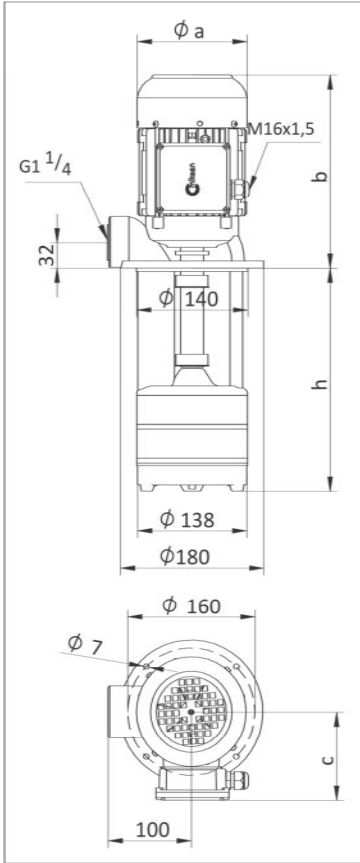
Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 8mm)
- Fluid temperature 0...80 °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 Protection degree IP 55

DIMENSIONS & NOMINAL VALUES



TYPE	Depth of immersion h (mm)	a	b	c	Weight kg	Power kW	Voltage V(Δ /Y)	Frequency Hz	Rated current A	Speed rpm
		mm								
EP 150/200	200	138	242	111	15.2	0.37	230/400	50	1.84/1.05	2790
EP 150/270	270				16.3					
EP 150/350	350				16.8					
EP 150/440	440				18.5					
EP 150/550	550				19.5					
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					

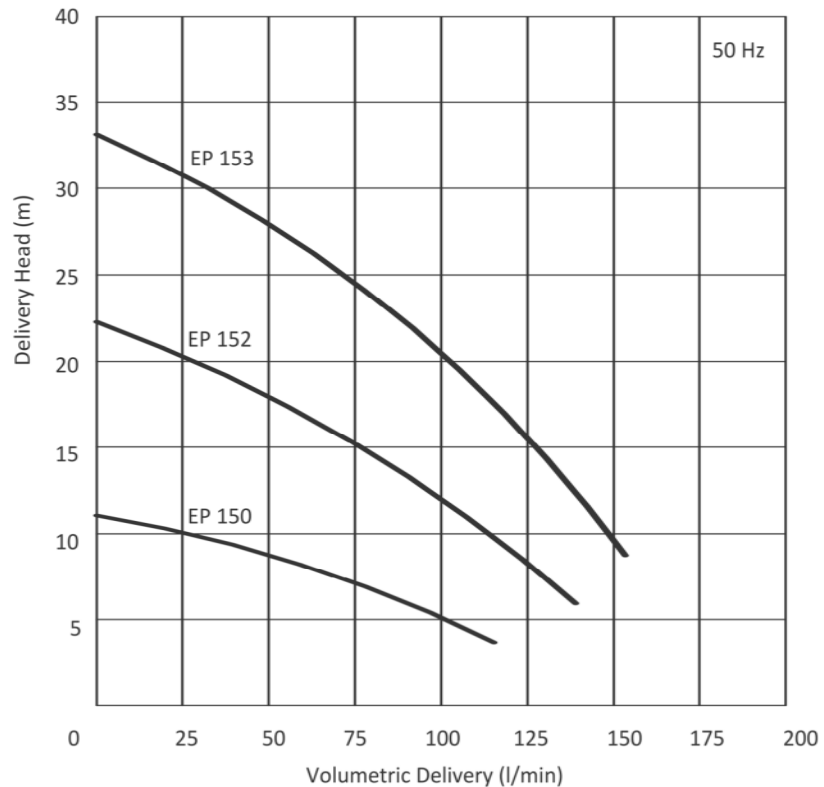
* EP 152 and EP 153 pumps have IE2 motors. These pumps are excluded from efficiency class since their motors are completely integrated into the pump according to IEC 60034-30-1:2014 standard .

** 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



EP 250 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.

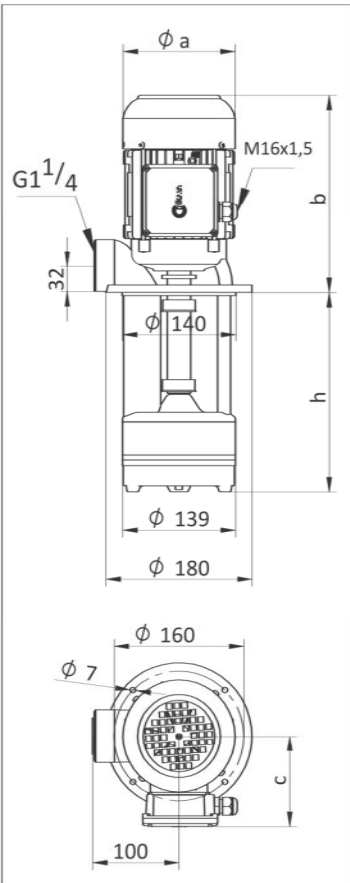
Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 8mm)
- Fluid temperature 0...80 °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 Protection degree IP 55

DIMENSIONS & NOMINAL VALUES



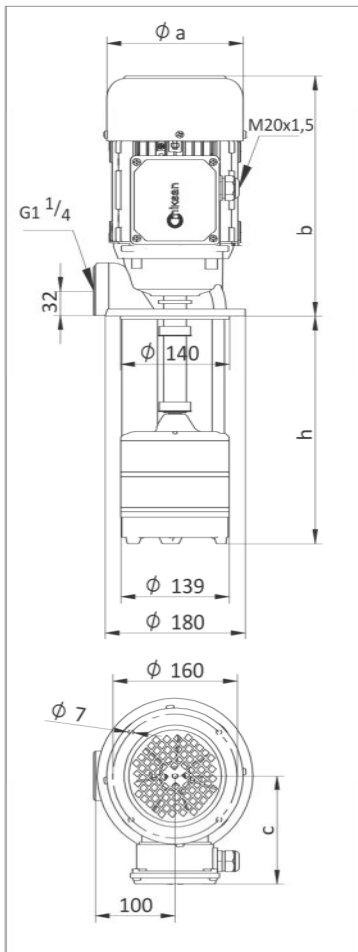
TYPE	Depth of immersion h (mm)	mm			Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		a	b	c						
EP 250/200	200	138	242	111	15.8	0.55	230/400	50	2.25/1.3	2780
EP 250/270	270				16.9					
EP 250/350	350				17.4					
EP 250/440	440				19.1					
EP 250/550	550				20.1					
EP 252/250	250	138	242	111	20.5	1.1*	230/400	50	4.85/2.8	2780
EP 252/320	320				21.0					
EP 252/400	400				22.0					
EP 252/490	490				23.5					
EP 253/300	300	176	309	139	27.0	1.5	230/400	50	5.72/3.3	2910
EP 253/370	370				27.5					
EP 253/450	450				28.0					

* EP 252 pump has IE2 motor. These pumps are excluded from efficiency class since their motors are completely integrated into the pump according to IEC 60034-30-1:2014 standard.

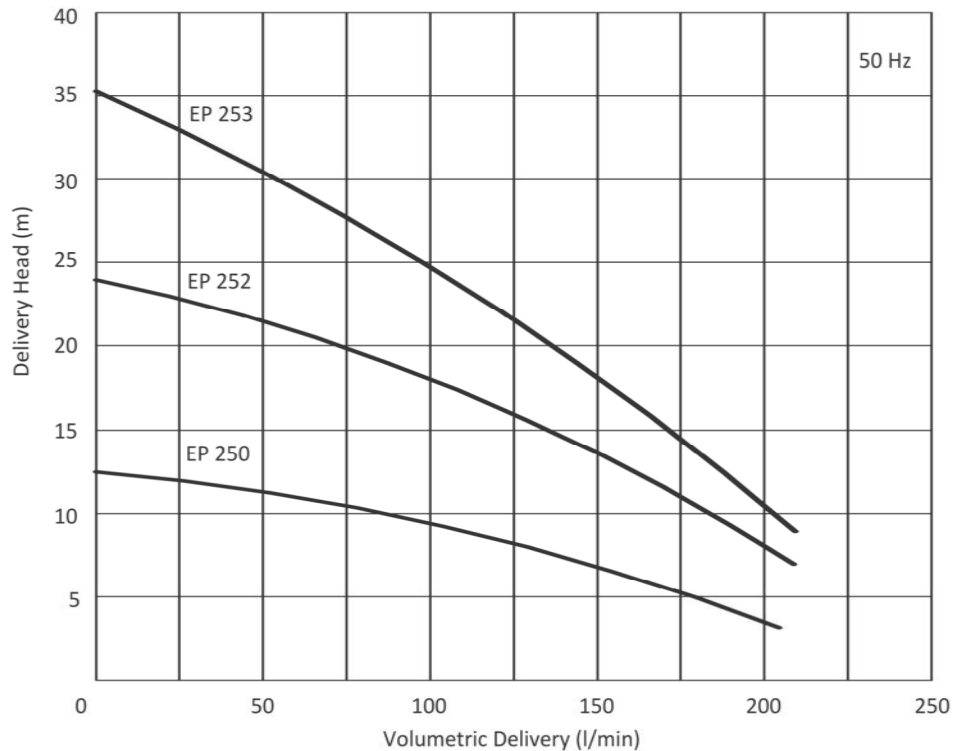
** Pump dimensions according to EN 12157.

*** The performance curves are based on $1 \text{ mm}^2/\text{s}$ (cSt) kinematic viscosity values and 997 kg/m^3 density

**** Curve tolerance according to ISO 9906:2012 Grade 3B.



Performance Curve



EP 350 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.

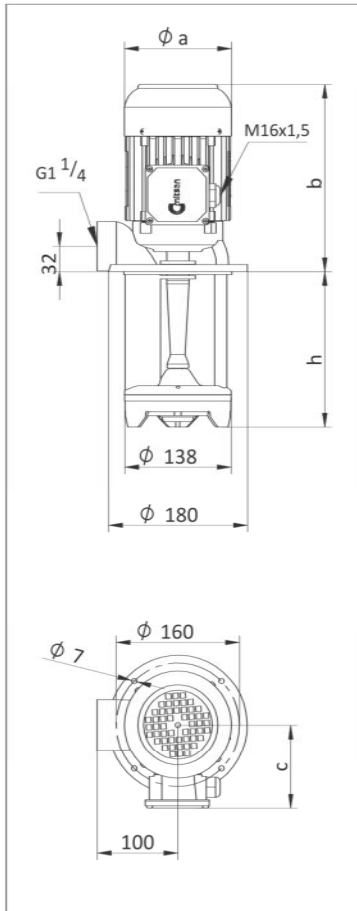
Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 8mm)
- Fluid temperature 0...80 °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, 2900 rpm Protection degree IP 55

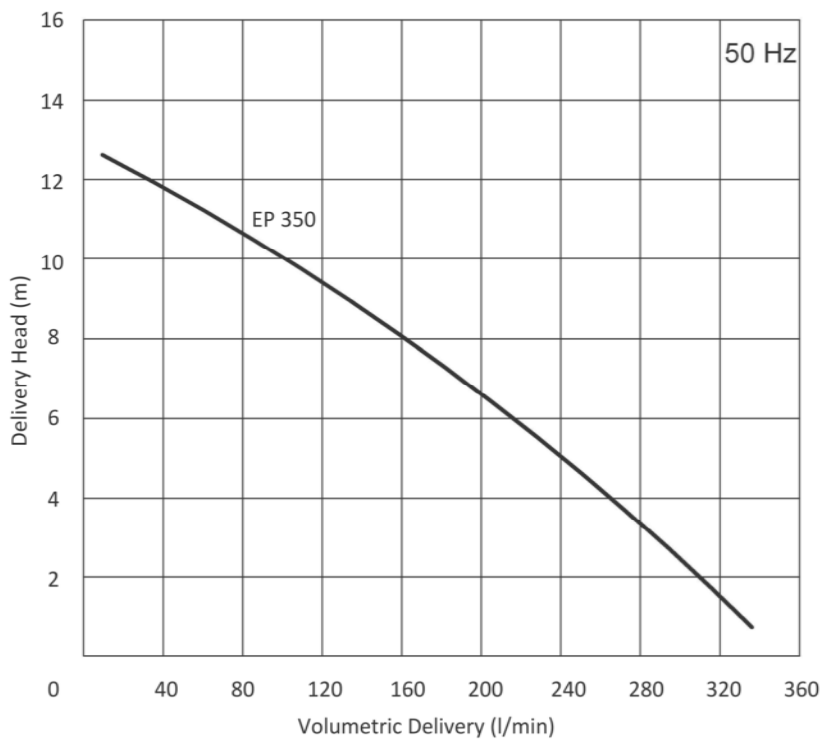
DIMENSIONS & NOMINAL VALUES



TYPE	Depth of immersion h (mm)	a	b	c	Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		mm								
EP 350/200	200	138	242	111	16.5	0.75	230/400	50	3.12/1.8	2820
EP 350/270	270				17.7					
EP 350/350	350				18.0					
EP 350/440	440				19.7					
EP 350/550	550				20.7					

- * 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



EPV 250 PUMP



Applications:

- Vortex type pump is used for pumping liquids which contains metal chips,
- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Filtration systems,
- Circulation systems. EPV Pumps are used for pumping of cutting / cooling fluids.

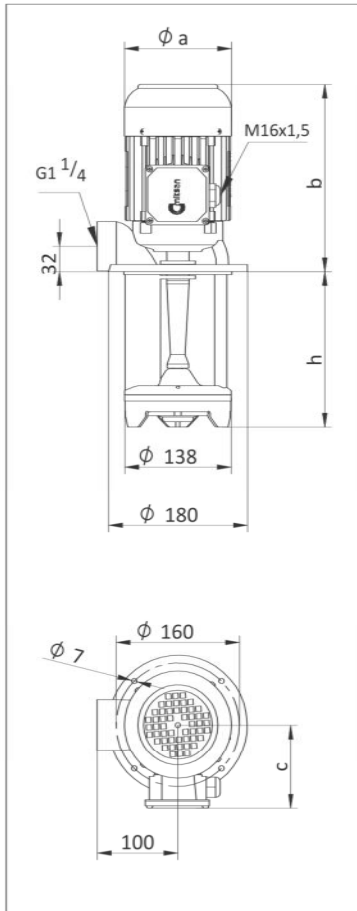
Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chip contains liquids (max. 12mm)
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...45 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, 2900 rpm Protection degree IP 55

DIMENSIONS & NOMINAL VALUES



TYPE	Depth of immersion h (mm)	a	b	c	Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
		mm								
EPV 250/210	210	138	242	111	16.4	0.55	230/400	50	2.25/1.3	2780
EPV 250/280	280				17.6					
EPV 250/360	360				17.9					
EPV 250/450	450				19.6					
EPV 250/560	560				20.6					

- * 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

