



HC PUMP

Applications:

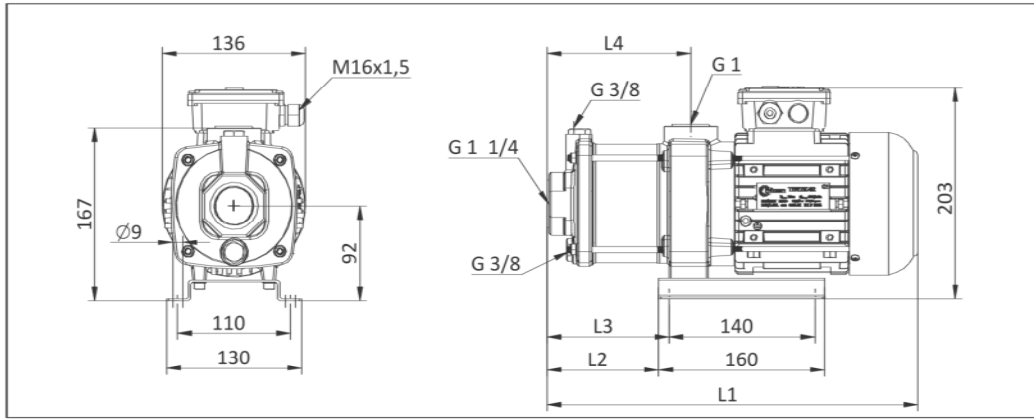
- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Erosion machines,
- Circulation systems. HC Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Inlet body	: Cast iron - DIN GG 25
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Stage cover	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor - 2 pole, Protection degree IP 55

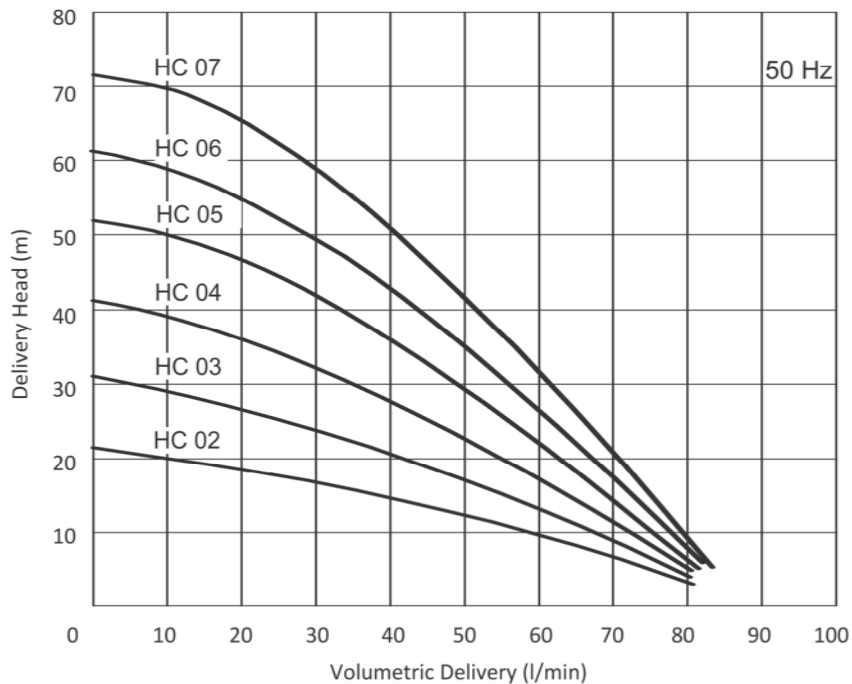


DIMENSIONS & NOMINAL VALUES

TYPE	L4	L3	L2	L1	Weight kg	Power kW	Voltage V(Δ/Y)	Frequency Hz	Rated current A	Speed rpm
	mm									
HC/02	137	116	106	356	11.8	0.37	230/400	50	1.84/1.05	2790
HC/03	158	137	127	377	13.1	0.55			2.25/1.3	2780
HC/04	179	158	148	398	15.0	0.75			3.12/1.8	2820
HC/05	200	179	169	419	15.1	1.10			4.85/2.8	2720
HC/06	221	200	190	440	15.3	1.10			4.85/2.8	2720
HC/07	242	221	211	461	15.5	1.10			4.85/2.8	2720

- * 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.
- *** HC/05, HC/06 and HC/07 pumps have IE2 motors. According to IEC 60034-30-1:2014 standard these pumps are excluded from efficiency class since their motors are completely integrated into the pump.

Performance Curve





HCA PUMP

Applications:

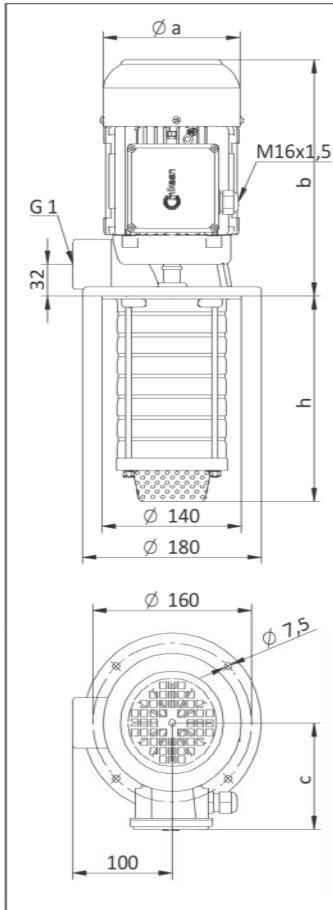
- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Cooling systems,
- Circulation systems. HCA Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor - 2 pole, Protection degree IP 55

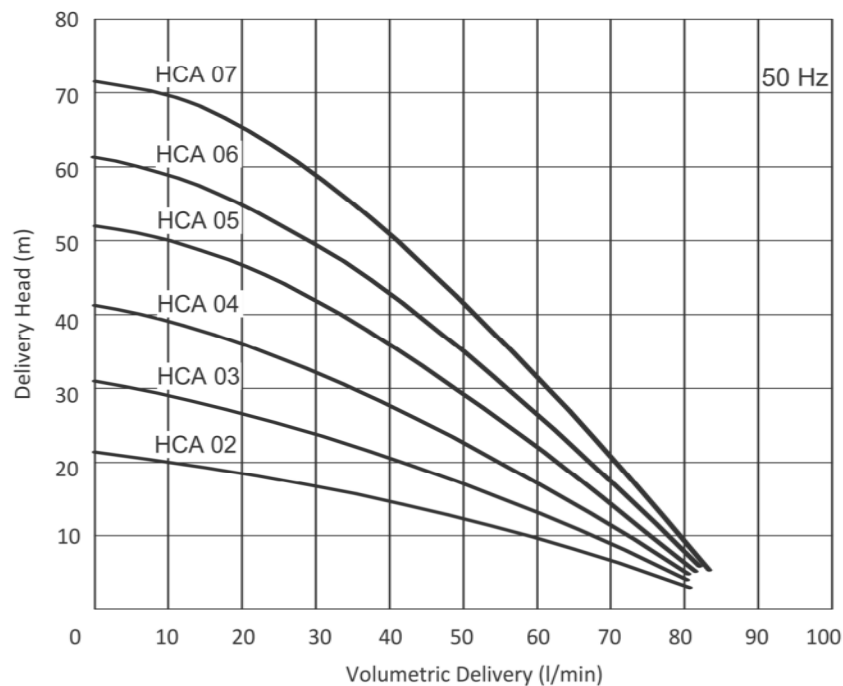


DIMENSIONS & NOMINAL VALUES

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								
HCA/02	143	138	240	111	10.1	0.37	230/400	50	1.84/1.05	2790
HCA/03	143				11.4	0.55			2.25/1.3	2780
HCA/04	164				13.3	0.75			3.12/1.8	2820
HCA/05	185				13.6	1.10			4.85/2.8	2720
HCA/06	206				13.8	1.10			4.85/2.8	2720
HCA/07	227				14.0	1.10			4.85/2.8	2720

* 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.
 *** HCA/05, HCA/06 and HCA/07 pumps have IE2 motors. According to IEC 60034-30-1:2014 standard these pumps are excluded from efficiency class since their motors are completely integrated into the pump.

Performance Curve





HCB PUMP

Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Especially used for deep hole boring operations due to supply 25 bar pressure,
- Circulation systems. HCB Pumps are used for pumping of cutting / cooling fluids.

Fluid Specifications:

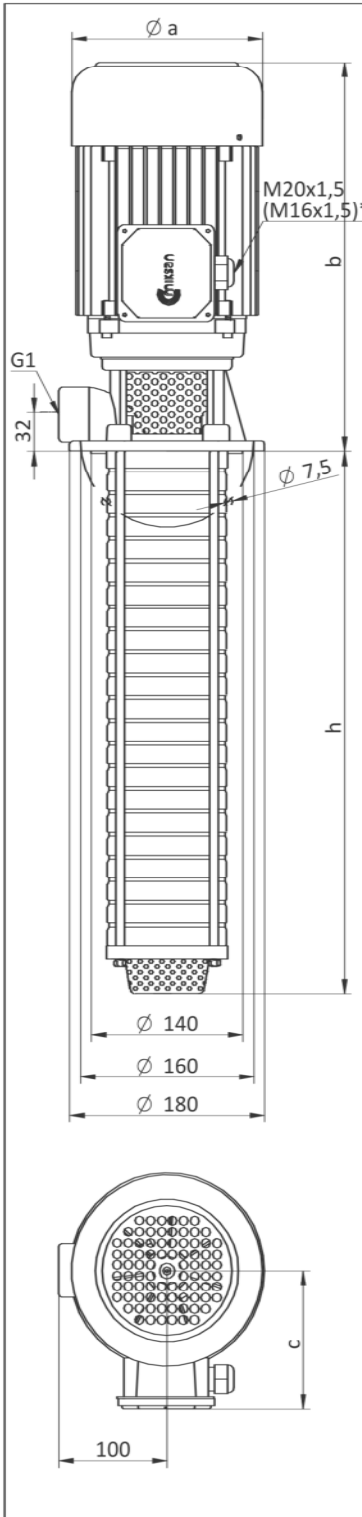
- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Fluid temperature 0...80 °C
- Kinematic viscosity 1...30 mm²/s

Materials:

Pump body	: Cast iron - DIN GG 25
Bottom plate	: Sheet iron
Diffuser	: Stainless steel - DIN 4301 (AISI 304)
Impeller	: Stainless steel - DIN 4301 (AISI 304)
Strainer	: Stainless steel - DIN 4301 (AISI 304)
Pump shaft	: Stainless steel - DIN 4401 (AISI 316)
O-ring	: Viton
Mechanical seal	: C - SiC - Viton TC - TC - Viton (Optional)
Electric motor	: 3 phase induction motor IE3 - 2 pole, Protection degree IP 55

- * M16x1,5 cable gland is used on HCB/06 and HCB/08 pumps.
- ** 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.

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						
HCB/06	206	157	319	118	17.0	1.1	230/400	50	4.16/2.4	2890
HCB/08	248	157	319	118	17.5	1.1	230/400		4.16/2.4	2890
HCB/10	291	176	365	139	25.0	2.2	230/400		7.79/4.5	2905
HCB/12	333	176	365	139	25.5	2.2	230/400		7.79/4.5	2905
HCB/15	396	194	397	150	33.0	3.0	230/400		10.39/6.0	2905
HCB/17	438	194	397	150	33.5	3.0	230/400		10.39/6.0	2905
HCB/20	501	194	397	150	37.0	4.0	230/400		13.68/7.9	2900
HCB/22	543	194	397	150	37.5	4.0	230/400		13.68/7.9	2900
HCB/25	606	194	397	150	39.5	4.0	230/400		13.68/7.9	2900

Performance Curve

