

Medana CH1-L.402-1/E/A/10T

Multistage monobloc pump

Article number: 4231474

Data sheet

Hydraulic data

Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	120 °C
Min. ambient temperature T_{min}	-15 °C
Max. ambient temperature T_{max}	50 °C
Maximum operating pressure *PN*	10 bar
Pipe connection, suction side *DNs*	Rp 1
Pipe connection, discharge side *DNd*	Rp 1

Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power P_2	0.37 kW

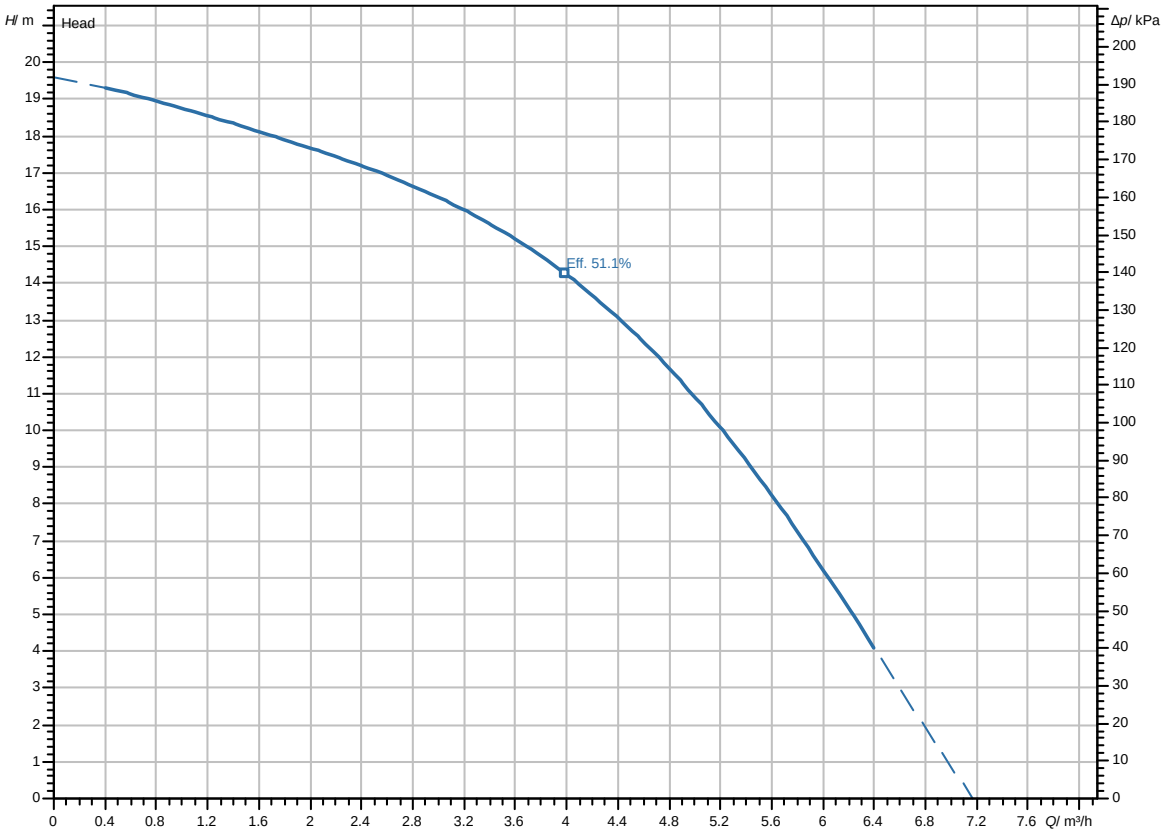
Motor data

Rated current I_N	2.5 A
Rated speed *n*	2900 1/min
Insulation class	F
Protection class motor	IP55

Materials

Pump housing	Stainless steel 1.4301
Shaft	Stainless steel
Shaft seal	BQ1EGG
Gasket material	EPDM
Impeller	1.4301
Stage chamber material	Stainless steel

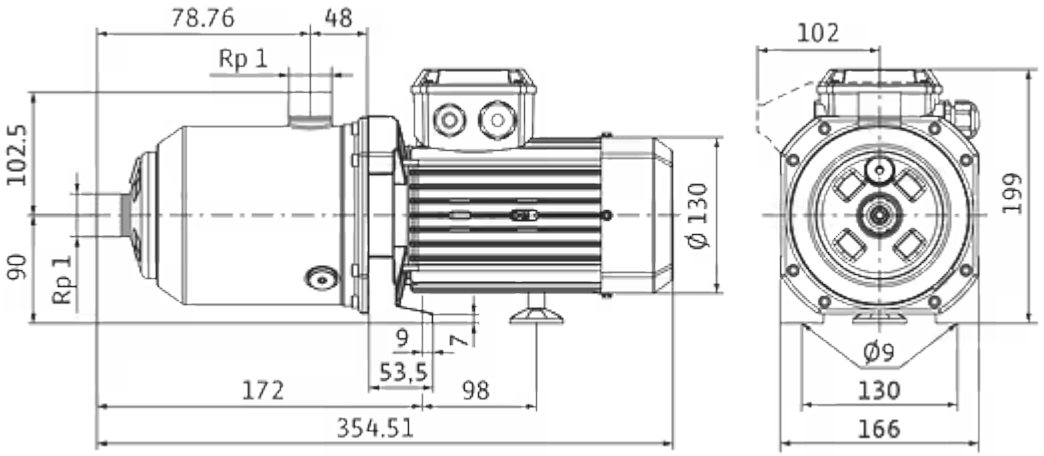
Pump curves



Fluid media	Water 100 %
Fluid temperature *T*	20.00 °C

Dimensions and dimensions drawings

Medana CH1-L.402-1/E/A/10T



Tender text

The non-self-priming horizontal multistage pump provides high hydraulic performances. Its compact and robust design with corrosion-resistant components and the usability in ambient temperatures up to 50°C offers a big field of application for pump integration into larger systems.

The pump is suitable for water supply and pressure boosting, industrial circulation systems, process water and cooling water circulation systems. It can also be used in washing systems as well as for irrigation.

Special features/Product advantages

- Commissioning and maintenance are facilitated by large openings for filling and emptying the pump
- Reliable operation and low noise levels are supported by the neck ring design and the corrosion-resistant lantern with cataphoretic coating
- Compact design to support integration
- All hydraulic parts which come into contact with the fluid, such as stage chambers, impellers and diffusors and the pump housing are made of stainless steel
- Drinking water approval for all components that come in contact with the fluid (EPDM version)

Scope of delivery

- Pump
- Installation and operating instructions

Operating data

Product data

Maximum operating pressure *PN*	10 bar
Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	120 °C
Min. ambient temperature T_{min}	-15 °C
Max. ambient temperature T_{max}	50 °C

Materials

Impeller	Stainless steel
Shaft	Stainless steel
Shaft seal	BQ1EGG
Gasket material	EPDM
Stage chamber material	Stainless steel

Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power P_2	0.37 kW
Rated current I_N	2.5 A
Rated speed *n*	2900 1/min
Insulation class	F
Protection class	IP55
Motor efficiency class	IE2

Installation dimensions

Connection type	Screwed connection inner thread
Pipe connection, suction side *DNs*	Rp 1
Pipe connection, discharge side *DNd*	Rp 1

Materials

Pump housing	Stainless steel

Ordering information

Brand	Wilo
Product description	Medana CH1-L.402-1/E/A/10T
Net weight, approx. *m*	8.7 kg
Article number	4231474

Mechanical accessories

Product description	Article number
Ball valve Rp 1	2663980

Product description	Article number
Non-return valve RV/S R 1	2660842
Screwed connection for non-return valve DN 25	2660509

Electrical accessories

Product description	Article number
low-water cut-out switchgear kit WMS G2	4204510
low-water cut-out switchgear kit WMS G2	4204512
Profibus DP MCA Wilo-EFC	2193451
DeviceNet MCA Wilo-EFC	2193452
Profinet MCA Wilo-EFC	2193453
Ethernet/IP MCA Wilo-EFC	2193454
Modbus TCP MCA Wilo-EFC	2193455
BACnet/IP MCA Wilo-EFC	5114633
Pressure sensor, 0 - 6 bar	2550660
Pressure sensor, 0 - 10 bar	2550661
Pressure sensor, 0 - 16 bar	2550662
Pressure sensor, 0 - 25 bar	2550663
Pressure sensor, 0 - 40 bar	2550664
Pressure switch WVA up to 6 bar	180492096
Pressure switch WVA up to 10 bar	2502050
Automatic kit R ½, 5 m cable	180493296
Automatic kit R ½, 20 m cable	2005645
Automatic kit R 1, 5 m cable	180549795
Automatic kit R 1, 20 m cable	2007158
Float switch WA65 with 5 m cable	503211390
Float switch WA65 with 10 m cable	503211893
Float switch WA65 with 20 m cable	2004431
Float switch WA65 with 30 m cable	2004432
Float switch WA KR1 S with 5 m cable	6082806
Float switch WA KR1 S with 10 m cable	6082807
Submersible electrode, 3 m	500183799
Submersible electrode, 4 m	2516278
Submersible electrode, 5 m	500937990

Product description	Article number
Submersible electrode, 10 m	2501937
Submersible electrode, 20 m	2516283
Submersible electrode, 25 m	2000601
Submersible electrode, 30 m	2514045
Submersible electrode, 35 m	2516284
Submersible electrode, 40 m	2516285
Submersible electrode, 50 m	2500315
Submersible electrode without cable	64873
Electrode cable H07RN-F 1x1.5 mm²	64904
Float switch WAEK 65, 5 m cable	503211698
Float switch WAEK 65, 10 m cable	2005516
Float switch WAEK 65, 20 m cable	2005517
Float switch WAO 65, 5 m cable	503211595
Float switch WAO 65, 10 m cable	2006027
Float switch WAO 65, 20 m cable	2004429
Float switch WAO 65, 30 m cable	2004430
Float switch WAOEK 65, 20 m cable	2005626
Float switch WAOEK 65, 5 m cable	2028673
PTC thermistor tripping unit	509275993