

# Medana CH1-L.203-1/E/A/10T

Multistage monobloc pump

**Article number:** 4231464

## 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 |

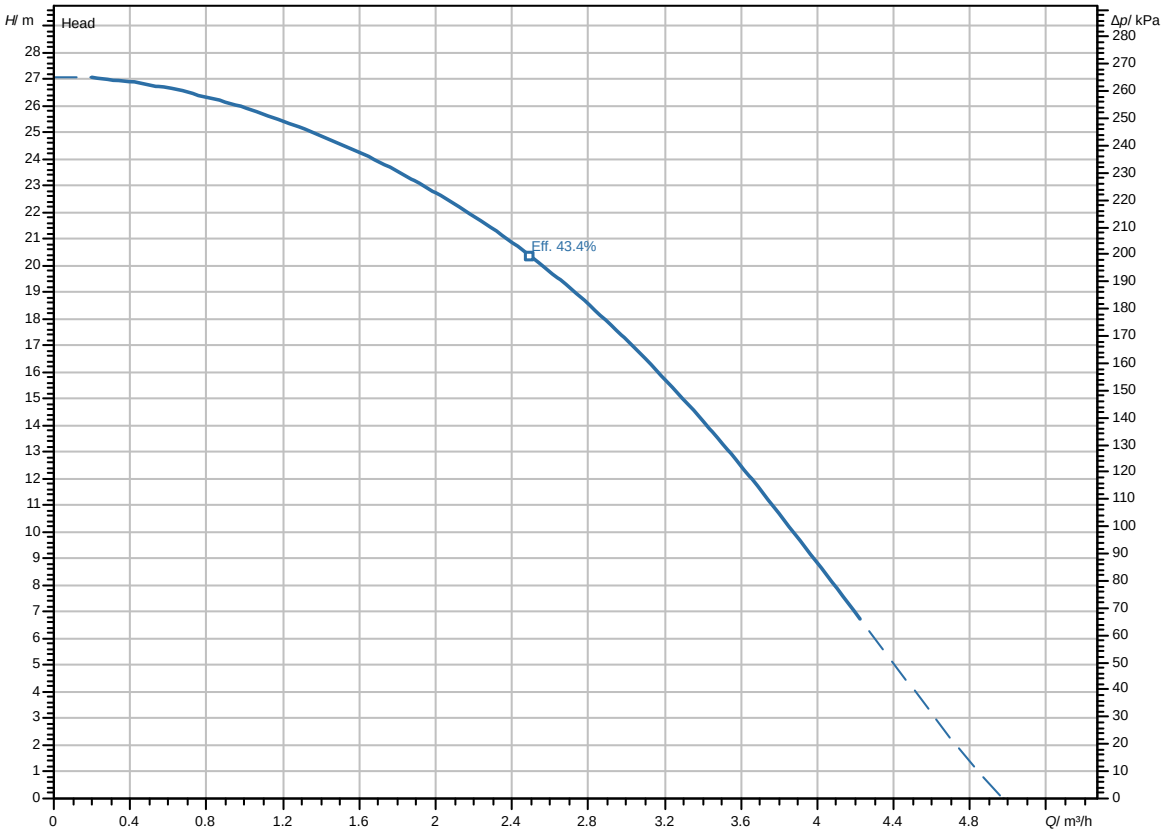
### Motor data

| | |
|---|---|
| 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 |

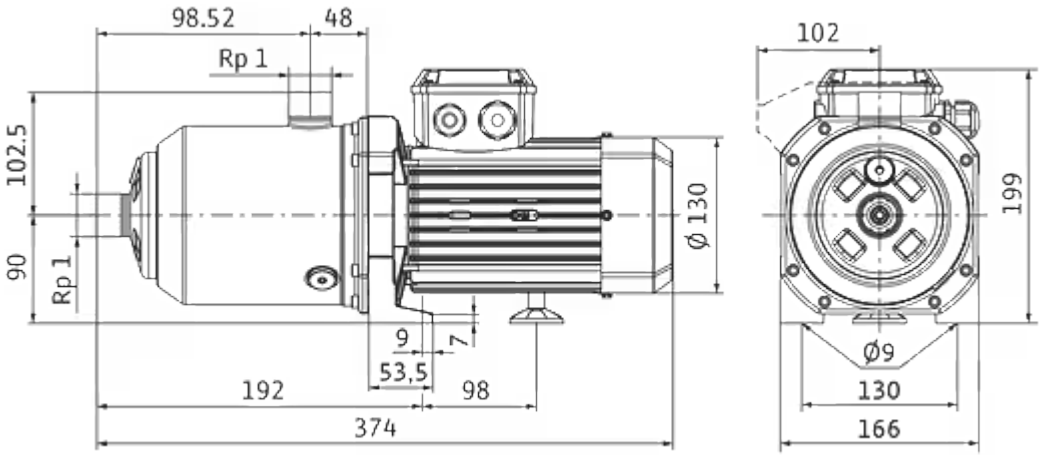
## Pump curves




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

# Dimensions and dimensions drawings

## Medana CH1-L.203-1/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.203-1/E/A/10T |
| Net weight, approx. *m* | 9.1 kg |
| Article number | 4231464 |

# 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 |