



WILO SE  
-  
Contact  
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Fax  
**Customer**

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E-mail  
Phone

## Tender text

Project ID

Project name

Date 2025-11-25

Pos.no	Qty.	Description	PG	UP / EUR	TP / EUR
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1		<b>High-pressure multistage centrifugal pump</b> Medana CH1-L.1603-1/V/FG/10T-Q7	PG6	Price on req.	Price on req.
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The non-self-priming horizontal multistage pump reaches 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

- Easy and fast commissioning/maintenance thanks to big holes for pump-filling and emptying
- High reliability in terms of robustness and noise thanks to the neck ring design and corrosion-resistant lantern with cathoretic coating
- Compact design for an easy 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)
- Meets UL certification requirements [UL-US-2140376-0](#)

### Scope of delivery

- Pump
- Installation and operating instructions

### Operating data

Fluid media: Water 100 %  
Fluid temperature: 20,00 °C  
Fluid concentration: 100,00 %  
Requested flow:  
Requested head:  
Max. delivery head: 56,86 m

### Product data

Maximum operating pressure: 10 bar  
Min. fluid temperature: -20 °C  
Max. fluid temperature: 120 °C  
Min. ambient temperature: -15 °C  
Max. ambient temperature: 50 °C

### Motor data

Mains connection: 3~460V/60 Hz  
Voltage tolerance: +-10 %  
Rated power: 4,2 kW  
Rated current: 7,85 A  
Rated speed: 3.500 1/min  
Insulation class: F  
Protection class: IP55  
Motor efficiency class: IE3

### Materials

Pump housing: 1.4301  
Impeller: 1.4301



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Pos.no	Qty.	Description	PG	UP / EUR	TP / EUR
		Shaft: 1.4301 Shaft seal: Q7Q7 Gasket material: FKM			
		<b>Installation dimensions</b> Pipe connection on the suction side: Rp 2, PN 10 Pipe connection on the discharge side: Rp 1½, PN 10			
		<b>Ordering information</b> Brand: Wilo Product description: Medana CH1-L.1603-1/V/FG/10T-Q7 Net weight, approx.: 30,2 kg Article number: On request			

**Total price on req.**

**Total Price** price on req.

plus 19% VAT Price on req.

**Total price incl. VAT** price on req.

**Customer**

## Technical data

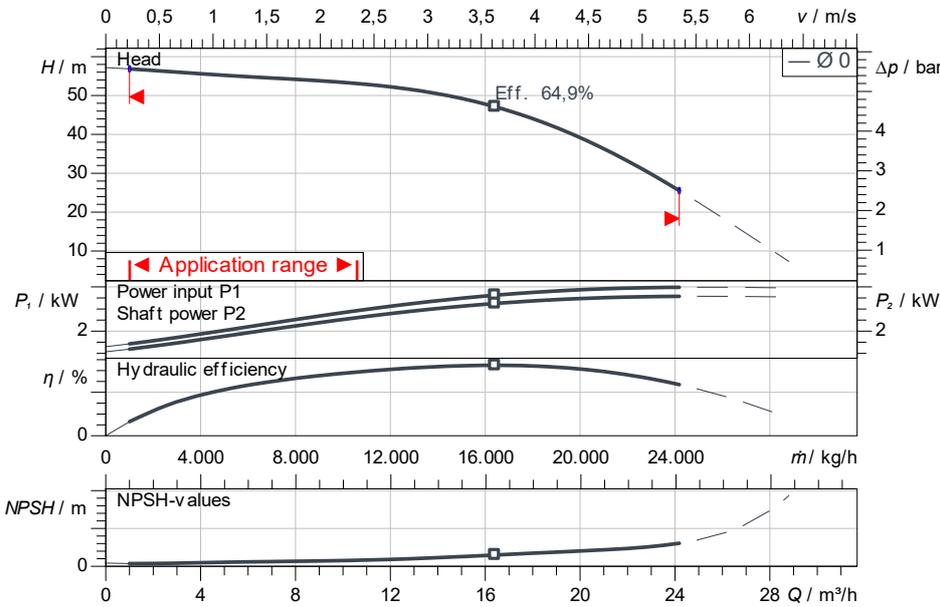
### High-pressure multistage centrifugal pump Medana CH1-L.1603-1/V/FG/10T-Q7

Project ID

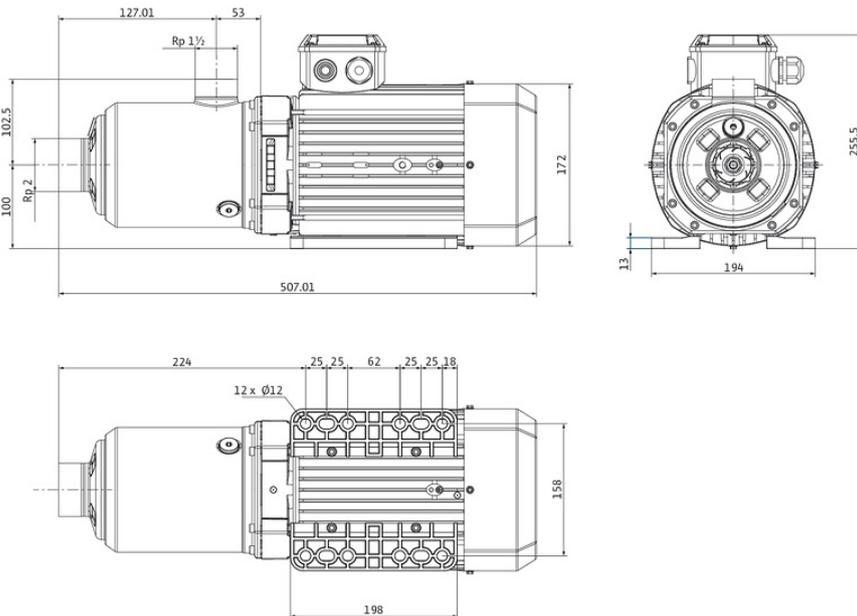
Project name  
Installation location  
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#### Duty chart



ISO 9906: 2012 3B



**Dimensions** mm

#### Requested data

Flow  
Head  
Media  
Fluid temperature  
Density  
Kin. viscosity

Water 100 %  
20,00 °C  
998,30 kg/m<sup>3</sup>  
1,00 mm<sup>2</sup>/s

#### Hydraulic data (Duty point)

Flow  
Head  
Shaft power P2  
Hydraulic efficiency  
NPSH

#### Product data

High-pressure multistage centrifugal pump  
Medana CH1-L.1603-1/V/FG/10T-Q7  
Max. operating pressure 10 bar  
Inlet pressure max. 6 bar  
Fluid temperature -20 °C ... +120 °C  
Max. ambient temperature 50 °C

#### Motordata per Motor/Pump

Motor efficiency level  
Mains connection  
Permitted voltage tolerance  
Max. speed  
Rated power Pn  
Rated current  
Power factor  
Efficiency  
50% / 75% / 100%  
Degree of protection  
Insulation class  
Motor protection

3~ 460 V / 60 Hz  
+/-10 %  
3.500 1/min  
4,20 kW  
7,85 A  
//%  
IP55  
F

#### Fitting dimensions

Pipe connection on the suction side Rp 2, PN 10  
Pipe connection (pressure side) Rp 1 1/2, PN 10

#### Materials

Pump housing 1.4301  
Impeller 1.4301  
Shaft 1.4301  
Shaft seal Q7Q7  
Gasket material FKM

#### Information for order placements

Weight approx. 30,2 kg  
Item number