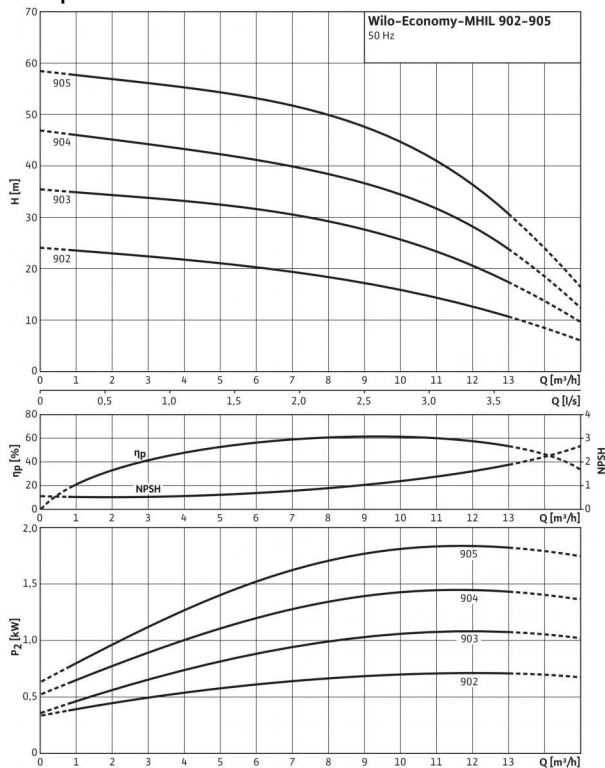


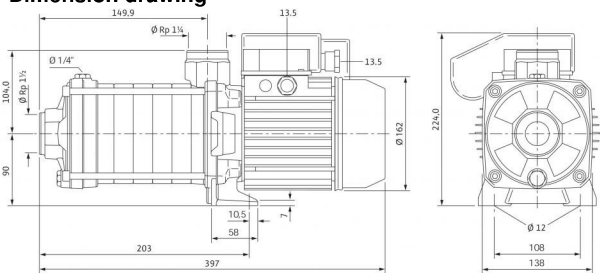
Data sheet: Economy MHIL 903 (1~230 V)

Pump curves

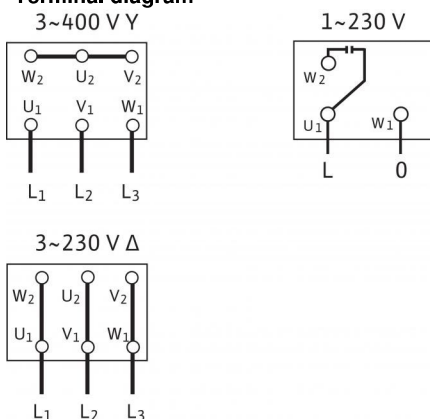


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Terminal diagram



Approved fluids

| | |
|---|---|
| Drinking water, heating water, process water | • |
| Condensate | - |
| Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked) | • |
| Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used) | • |

Power

| | |
|--------------------------------------|--------------|
| Fluid temperature T | -15...+90 °C |
| Max. ambient temperature T | 40 °C |
| Rated pressure | PN bar |
| Inlet pressure max. H | 6 bar |
| Maximum operating pressure p_{max} | 10 bar |
| Nominal speed n | 2900 rpm |

Motor

| | |
|--------------------------------------|----------------|
| Insulation class | F |
| Protection class | X4 |
| Mains connection | 1~230 V, 50 Hz |
| Rated power P_2 | 1.10 kW |
| Power consumption P_1 | 1.51 kW |
| Nominal current 1~230 V, 50 Hz I_N | 7.2 A |
| Motor efficiency $\eta_{m 50\%}$ | 56.9 % |
| Motor efficiency $\eta_{m 75\%}$ | 64.3 % |
| Motor efficiency $\eta_{m 100\%}$ | 67.2 % |

Connections

| | |
|--|-------|
| Rated pressure level (on the pressure side) PN | PN 10 |
| Rated pressure level (on the suction side) PN | PN 10 |

Materials

| | |
|---------------------------------------|----------------------------------|
| Impeller | 1.4301 [AISI304] |
| Stage chambers | 1.4301 [AISI304] |
| Pump housing | EN-GJL-250 (cataphoretic-coated) |
| Pump shaft | 1.4028 [AISI420F] |
| Housing cover | EN-GJL-250 (cataphoretic-coated) |
| Lower housing section | EN-GJL-250 (cataphoretic-coated) |
| Pressure shroud | - |
| Bearing | Tungsten carbide |
| Pump base | EN-GJL-250 (cataphoretic-coated) |
| Pump base (in contact with the fluid) | - |
| Static seal | EPDM |
| Mechanical seal | BQ1E3GG |

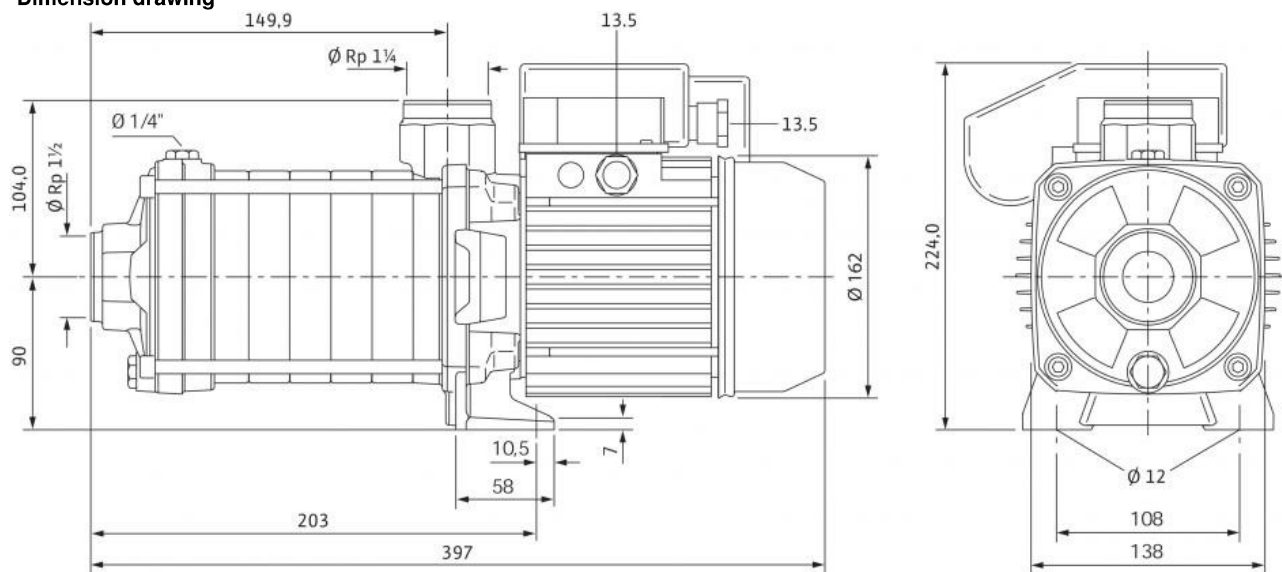
Information for order placements

| | |
|--------------------|----------|
| Make | Wilo |
| Type | MHIL 903 |
| Art no. | 4083916 |
| Weight approx. m | 17.0 kg |

• = available, - = not available

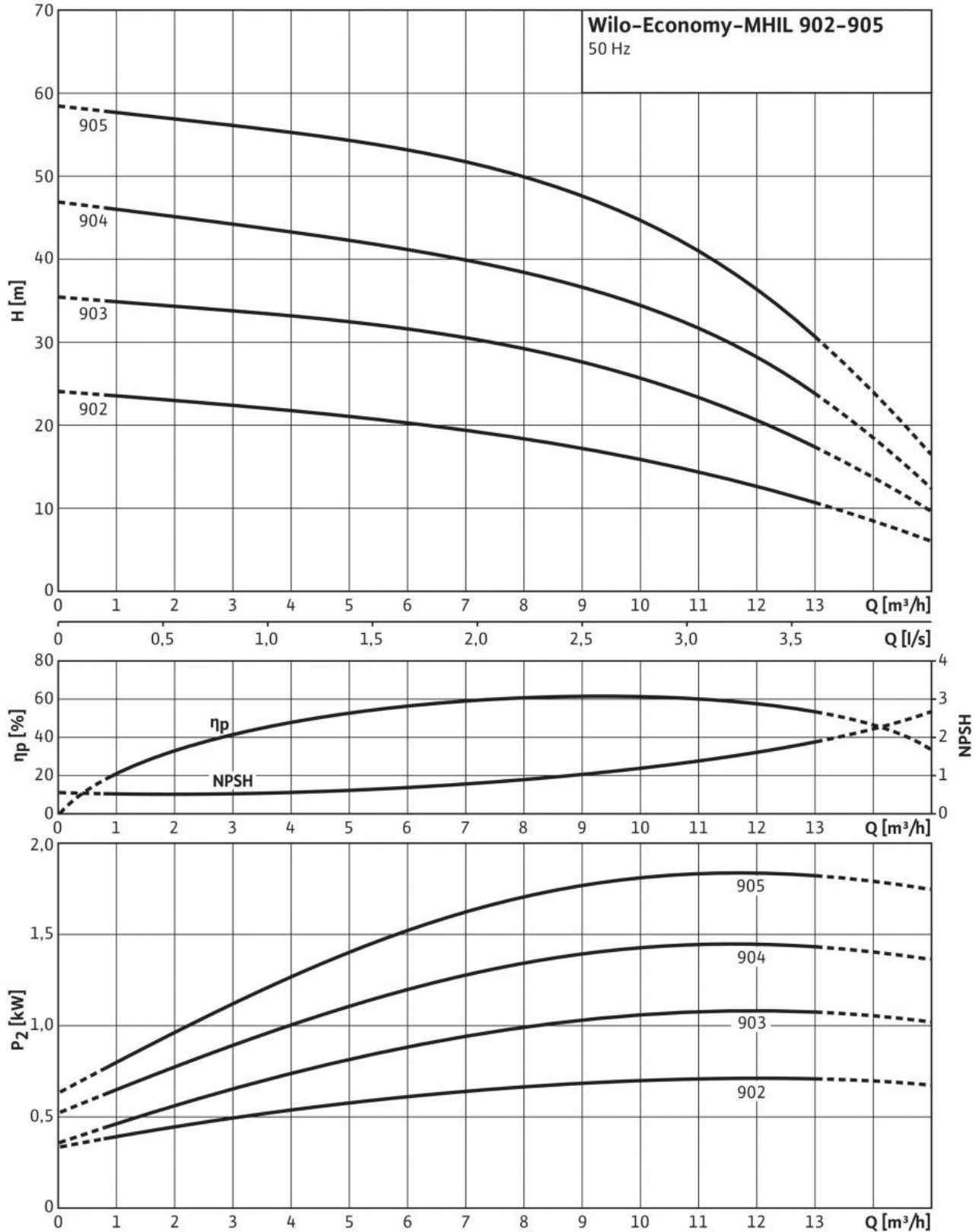
Dimensions and dimensions drawings: Economy MHIL 903 (1~230 V)

Dimension drawing



Pump curves: Economy MHIL 903 (1~230 V)

Pump curves



Pump curves in accordance with ISO 9906, class 2

Ordering information: Economy MHIL 903 (1~230 V)

| | |
|-----------------------------|---------------------|
| Make | Wilo |
| Type | MHIL 903 |
| Art no. | 4083916 |
| EAN number | 4016322721499 |
| Colour | Green/black/silver |
| Minimum order quantity | 1 |
| Minimum order quantity unit | PCE |
| Weight (net) <i>kg</i> | 17 |
| Length (net) <i>mm</i> | 397.4 |
| Width (net) <i>mm</i> | 138 |
| Height (net) <i>mm</i> | 224 |
| Weight (gross) <i>kg</i> | 18.5 |
| Length (gross) <i>mm</i> | 600 |
| Width (gross) <i>mm</i> | 260 |
| Height (gross) <i>mm</i> | 280 |
| Packaging type | One-way pallet |
| Packaging property | Transport packaging |
| Pieces per pallet | 1 |
| Number per layer | 1 |

Tender text: Economy MHIL 903 (1~230 V)

Multistage, non-self-priming, horizontal high-pressure centrifugal pump in block design with horizontal suction- and vertical pressure port.

The pump has a compact design with a continuous motor pump shaft and a bidirectional mechanical seal. Stage chambers, impellers and diffusers are made of stainless steel and pump housing is made of cataphoretic-coated cast iron.

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

Special features/product advantages

- Space-saving, compact block design

Scope of delivery

- Wilo-MHIL high-pressure multistage centrifugal pump
- Installation and operating instructions

Design notes

- Motor protection for three-phase AC motor is optional or to be provided on-site
- Single-phase AC motor equipped with built-in thermal motor protection and capacitor

Materials

Impeller: 1.4301 [AISI304]
 Stage chambers: 1.4301 [AISI304]
 Pump housing: EN-GJL-250 (cataphoretic-coated)
 Pump shaft: 1.4028 [AISI420F]
 Housing cover: EN-GJL-250 (cataphoretic-coated)
 Lower housing section: EN-GJL-250 (cataphoretic-coated)
 Pressure shroud: –
 Bearing: Tungsten carbide
 Pump base: EN-GJL-250 (cataphoretic-coated)
 Pump base (in contact with the fluid): –
 Static seal: EPDM
 Mechanical seal: BQ1E3GG

Approved fluids

Drinking water, heating water, process water: •
 Condensate: -
 Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked): •
 Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used): •

Power

Fluid temperature T : -15...+90 °C
 Max. ambient temperature T : 40 °C
 Operating pressure: 10 bar
 Inlet pressure max. H : 6 bar
 Nominal speed n : 2900 rpm

Motor

Insulation class: F
 Protection class: X4
 Mains connection: 1~230 V, 50 Hz
 Rated power P_2 : 1.10 kW
 Power consumption P_1 : 1.51 kW
 Nominal current 1~230 V, 50 Hz I_N : 7.2 A
 Motor efficiency $\eta_{m 50\%}$: 56.9 %
 Motor efficiency $\eta_{m 75\%}$: 64.3 %
 Motor efficiency $\eta_{m 100\%}$: 67.2 %

Connections

Nominal diameter of pipe connections on suction side R_p : 1½
 Nominal diameter of pipe connections on pressure side R_p : 1¼
 Flange connections PN 16/PN 25 DN: –
 Victaulic connections: –

Tender text: Economy MHIL 903 (1~230 V)

Information for order placements

Make: Wilo
Type: MHIL 903
Art no.: 4083916
Weight approx. *m*: 17.0 kg