

Series description: Wilo-Economy MHI



Similar to figure

Design

Non-self-priming multistage pump

Application

- Water supply and pressure boosting
- Industrial circulation systems
- Process water
- Closed cooling circuits
- Washing system
- Irrigation
- Water treatment

Type key

Example:

MHI

2

05

1

E

3

400

50

2

IE3

MHI 205-1/E/3-400-50-2-IE3

Multistage horizontal high-pressure centrifugal pump

Flow rate in m³/h

Number of impellers

Material

1 = 1.4301 (AISI 304)

2 = 1.4404 (AISI 316L)

Gasket type

E = EPDM

V = FKM (Viton)

1 = 1~ (alternating current)

3 = 3~ (three-phase current)

Connection voltage in V

Frequency in Hz

Number of poles

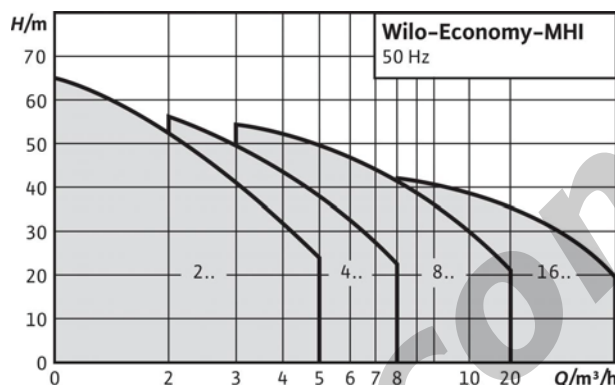
IE3 motor

Special features/product advantages

- IE3 IEC three-phase AC motor (≥ 0.75 kW)
- All parts that come in contact with the fluid are made of stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L)
- Space-saving, compact design
- Drinking water approval (ACS, KTW, WRAS) for all components in contact with the fluid (EPDM version)

Technical data

- Mains connection 1~230 V (± 10 %), 50 Hz or optionally 220 V (± 10 %), 60 Hz
- Mains connection: 3~230 V (± 10 %), 50 Hz (Δ) or optionally 265 V (± 10 %), 60 Hz (Δ), 400 V (± 10 %), 50 Hz (Y) or optionally 460 V (± 10 %), 60 Hz (Y); identical motor: 3~220 V (± 10 %), 60 Hz (Δ), 380 V (± 10 %), 60 Hz (Y);
- Fluid temperature of -15 to +110 °C
- Max. operating pressure 10 bar
- Max. intake pressure of 6 bar
- Protection class 1~: IPX4; 3~: IP54
- Nominal diameters of pipe connections: Rp 1, Rp 1 ¼ or Rp 1 ½, depending on type



Pump curves in accordance with ISO 9906: 2012 3B

Equipment/function

- Stainless steel in monobloc design
- Threaded connection
- Single-phase or three-phase AC motor
- Single-phase AC motor equipped with built-in thermal motor protection (with automatic restart)

Materials

- Impellers, stage chambers and pump housing made of 1.4301/1.4404 stainless steel
- Shaft 1.43.01 or 1.4404 stainless steel
- Seal EPDM (EP 851) / FKM (Viton)
- Mechanical seal
- EPDM version: B-carbon/silicon carbide
- FKM version: Silicon carbide/B-carbon
- Bearing tungsten carbide/aluminium oxide
- Pump base aluminium

Scope of delivery

- Pump
- Installation and operating instructions