

Series description: Wilo-Economy MHIL



Similar to figure

Design

Non-self-priming multistage pump

Application

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

Type key

Example:

MHIL

3

02

E

3

400

50

2

IE3

MHIL 302-E-3-400-50-2-IE3

Multistage horizontal high-pressure centrifugal pump

Flow rate in m³/h

Number of impellers

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

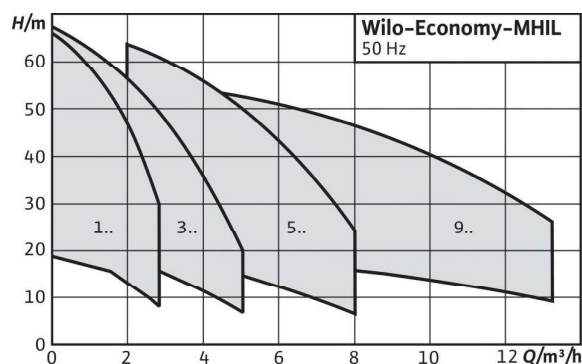
IE3 motor

Special features/product advantages

- IE3 IEC three-phase AC motor (≥ 0.75 kW)
- Impellers and stage housing made of stainless steel
- Pump housing made of EN-GJL-250 cast iron, KTL coating
- Single-phase and three-phase versions available

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 220 V (± 10 %), 50 Hz (Δ), 400 V (± 10 %), 50 Hz (Y) or optionally 460 V (± 10 %), 60 Hz (Y)
- Fluid temperature of -15 to $+90$ °C
- Max. operating pressure 10 bar
- Max. inlet pressure of 6 bar
- Protection class 1~: IP X4; 3~: IP 54
- Nominal diameters of pipe connections on pressure side: Rp 1 or Rp 1 1/4, depending on type
- Nominal diameters of pipe connections on suction side Rp 1, Rp 1 1/4 or Rp 1 1/2, depending on type



Pump curves in accordance with ISO 9906, class 2

Equipment/function

- Pump in monobloc design
- Threaded connection
- Single-phase or three-phase motor
- Single-phase AC motor with integrated thermal motor protection

Materials

- Impellers of stainless steel 1.4301
- Stage chambers made of 1.4301 stainless steel
- Shaft of stainless steel 1.4301 (AISI 304) or 1.4057 (AISI 431 L)
- EPDM seal
- Housing cover EN-GJL-250 (cataphoretic-coated)
- Lower housing section EN-GJL-250 (cataphoretic-coated)
- Mechanical seal made of SiC/carbon
- Bearing of tungsten carbide
- Pump support foot EN-GJL-250 (cataphoretic-coated)

Scope of delivery

- Pump
- Installation and operating instructions