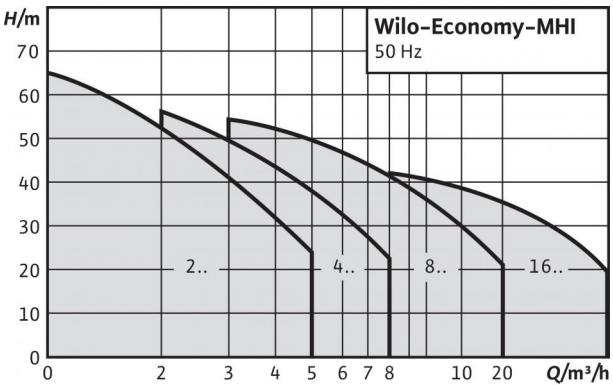
Series description: Wilo-Economy MHI



Similar to figure



Pump curves in accordance with ISO 9906: 2012 3B

Design

Non-self-priming multistage pump

Application

- Water supply and pressure boosting
- Commerce and industry
- Cooling water circulation systems
- Washing and sprinkling systems

Type key

Example:	**MHI 205-1/E/3-400-50-2-IE3**
MHI	Multistage horizontal high-pressure centrifugal pump
2	Flow rate in m^3/h
05	Number of impellers
1	Material 1 = 1.4301 (AISI 304) 2 = 1.4404 (AISI 316L)
E	Gasket type E = EPDM V = FKM (Viton)
3	1 = 1~ (alternating current) 3 = 3~ (three-phase current)
400	Connection voltage in V
50	Frequency in Hz
2	Number of poles
IE3	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

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