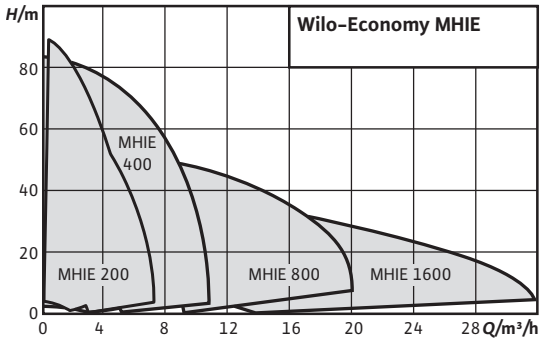
Series description: Wilo-Economy MHIE



Design
Non-self-priming multistage pump with integrated frequency converter

Application
- Water supply and pressure boosting
- Fire extinguishing systems
- Industrial circulation systems
- Process engineering
- Cooling water circulation systems
- Washing and sprinkling systems

Type key

Example:	**MHIE 402N-1/E/3-2/M13-2G**
MHIE	Multistage horizontal high-pressure centrifugal pump, electronically controlled
4	Volume flow in m^3/h
02	Number of impellers
N	IE2 motor
1	Material 1 = 1.4301 (AISI 304) 2 = 1.4404 (AISI 316L)
E	Type of gasket E = EPDM V = FKM (Viton)
3	1 = 1~ (single-phase AC) 3 = 3~ (three-phase AC) = hydraulics without motor
M13	Only for 1~ (single phase AC) Preset operating mode on delivery M13 = mode 1 or 3 (manual or remote control) M2 = mode 2 (pressure regulation mode)
2G	Frequency converter, second generation

Special features/product advantages
- Easy commissioning
- All parts that come in contact with the fluid are made of stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316 L)
- Compact design
- IEC three-phase AC motor (level IE2)
- Integrated frequency converter
  - With optional interfaces for bus communication using plug-in IF-Modules in the case of 3~ motors
- Full motor protection
- All relevant components are KTW and WRAS certified

Technical data
- Mains connection 1 ~ 230 V (±10 %), 50 Hz or 230 V (±10 %), 60 Hz
- Mains connection 3 ~ 400 V (±10 %), 50 Hz (Y) or 400 V (±10 %), 60 Hz (Y)
- Fluid temperature 15 to +110 °C
- Max. operating pressure 10 bar
- Max. inlet pressure 6 bar

Equipment/function
- Stainless steel pump in monobloc design
- Hydraulics in 1.4301
- Threaded connection
- Integrated frequency converter
- Three-phase version with red-button technology and LCD display for state display
- Integrated thermal motor protection

Materials
- Impellers, stage chambers and pump housing stainless steel 1.4301/1.4404
- Shaft stainless steel 1.4404
- Gasket EPDM (EP 851)/FKM (Viton)
- Mechanical seal B-carbon/tungsten carbide
- Bearing tungsten carbide
- Pump base aluminium

Scope of delivery
- Pump
- Installation and operating instructions

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- Protection class IP 54
- Emitted interference according to EN 61000-6-4 (EN 61000-6-3 optionally)
- Interference resistance in compliance with EN 61000-6-2
- Nominal diameters of pipe connections on suction side to type Rp 1, Rp 1¼, Rp 1½ or Rp 2
- Nominal diameters of pipe connections on pressure side to type Rp 1, Rp 1¼ or Rp 1½