

Series description: Wilo-Economy MHIE

Wilo-Economy MHIE



Similar to figure

Design type

Non-self-priming multistage pump with integrated frequency converter

Application

- Water supply and pressure boosting
- Irrigation
- Heating
- System industrial equipment: cooling, washing

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

Scope of delivery

- Pump
- Installation and operating instructions

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

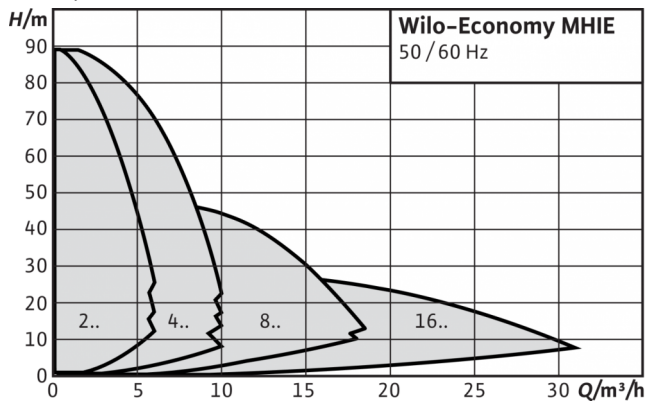
Technical data

- 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
- 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 1½, Rp 1½ or Rp 2
- Nominal diameters of pipe connections on pressure side to type Rp 1, Rp 1½ or Rp 1½

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

Economy MHIE



Pump curves in accordance with ISO 9906: 2012 3B

Special features/product advantages

- Easy operation and compact design
- All parts in contact with fluid are made of stainless steel
- IEC three-phase motor (level IE2) with integrated frequency converter (frequency converter for 3~motors have optional interfaces for bus communication using plug-in IF-Modules)
- Full motor protection
- Drinking water approval (ACS, KTW, WRAS) for all components in contact with the fluid (EPDM version)

Product list: Wilo-Economy MHIE

Product description	Mains connection	Rated power P_2	Gross weight, approx. m	Article number
Economy MHIE 802N (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	1.50 kW	23.1 kg	4171789
Economy MHIE 802N (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	1.50 kW	23.1 kg	4171788
Economy MHIE 404N (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	1.50 kW	23.8 kg	4171783
Economy MHIE 404N (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	1.50 kW	23.8 kg	4171782
Economy MHIE 402N (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	0.75 kW	18.2 kg	4171777
Economy MHIE 402N (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	0.75 kW	18.2 kg	4171776
Economy MHIE 206N (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	1.50 kW	25.5 kg	4171771
Economy MHIE 206N (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	1.50 kW	25.5 kg	4171770
Economy MHIE 203N (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	0.75 kW	18.2 kg	4171765
Economy MHIE 203N (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	0.75 kW	18.2 kg	4171764
Economy MHIE 1602N-2G (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	2.20 kW	27.5 kg	4148430
Economy MHIE 803N-2G (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	2.20 kW	25.4 kg	4148425
Economy MHIE 803N-2G (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	2.20 kW	25.4 kg	4148424
Economy MHIE 406N-2G (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	2.20 kW	26.6 kg	4148419
Economy MHIE 406N-2G (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	2.20 kW	26.6 kg	4148418
Economy MHIE 403N-2G (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	1.10 kW	18.8 kg	4148413
Economy MHIE 403N-2G (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	1.10 kW	18.8 kg	4148412
Economy MHIE 205N-2G (3~380/400/440 V, FKM)	3~400 V, 50/60 Hz	1.10 kW	18.8 kg	4148407
Economy MHIE 205N-2G (3~380/400/440 V, EPDM)	3~400 V, 50/60 Hz	1.10 kW	18.8 kg	4148406
Economy MHIE 403 M2 (1~220/230/240 V, FKM)	1~230 V, 50/60 Hz	1.10 kW	16.7 kg	4073107
Economy MHIE 403 M1, M3 (1~220/230/240 V, FKM)	1~230 V, 50/60 Hz	1.10 kW	16.7 kg	4073106
Economy MHIE 205 M2 (1~220/230/240 V, FKM)	1~230 V, 50/60 Hz	1.10 kW	18.2 kg	4073105
Economy MHIE 205 M1, M3 (1~220/230/240 V, FKM)	1~230 V, 50/60 Hz	1.10 kW	18.2 kg	4073104

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Product description	Mains connection	Rated power P_2	Gross weight, approx. m	Article number
Economy MHIE 403 M2 (1~220/230/240 V, EPDM)	1~230 V, 50/60 Hz	1.10 kW	16.7 kg	4073103
Economy MHIE 403 M1, M3 (1~220/230/240 V, EPDM)	1~230 V, 50/60 Hz	1.10 kW	16.7 kg	4073102
Economy MHIE 205 M2 (1~220/230/240 V, EPDM)	1~230 V, 50/60 Hz	1.10 kW	18.2 kg	4073101
Economy MHIE 205 M1, M3 (1~220/230/240 V, EPDM)	1~230 V, 50/60 Hz	1.10 kW	18.2 kg	4073100