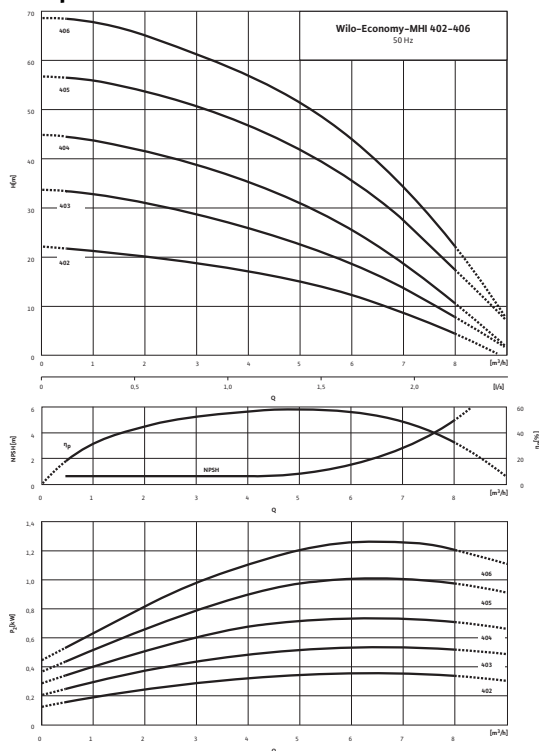


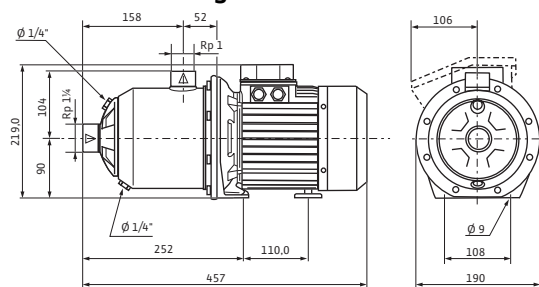
Data sheet: Wilo-Economy MHI 404 (3~400 V, EPDM)

Pump curves

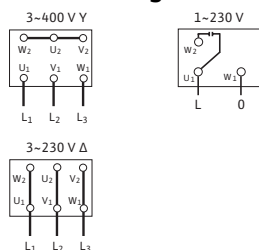


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Terminal diagram



Power

Fluid temperature	T	-15 ... 110 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Inlet pressure Max.	H	6 bar
Maximum operating pressure	p_{max}	10 bar

Motor

Insulation class		F
Protection class		IP 54
Mains connection		3~400 V, 50 Hz
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.11 kW
Nominal current 3~230 V, 50 Hz	I_N	3.3 A
Nominal current 3~400 V, 50 Hz	I_N	1.91 A
Motor efficiency	η_m 50%	76.0 %
Motor efficiency	η_m 75%	77.4 %
Motor efficiency	η_m 100%	77.4 %

Connections

Nominal diameter, oval flange (on the pressure side)		G 1
Nominal diameter, oval flange (on the suction side)		G 1 1/4
Rated pressure level (on the pressure side)	PN	PN 10
Rated pressure level (on the suction side)	PN	PN 10

Materials

Impeller	1.4301 [AISI304]
Pump housing	1.4301 [AISI304]
Pump shaft	1.4301 [AISI304]
Static seal	EPDM
Mechanical seal	BQ1E3GG

Information for order placements

Make	Wilo
Type	MHI 404
Art no.	4148983

Data sheet: Wilo-Economy MHI 404 (3~400 V, EPDM)

Weight approx.	<i>m</i>	13.0 kg
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• = available, - = not available

Note on inlet pressure

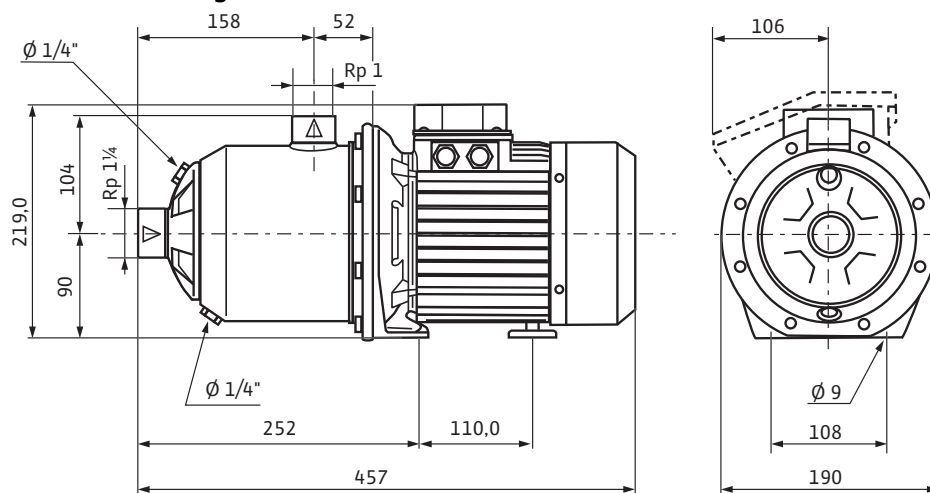
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

Note on materials

1.4301 corresponds to AISI 304, 1.4404 corresponds to AISI 316L.

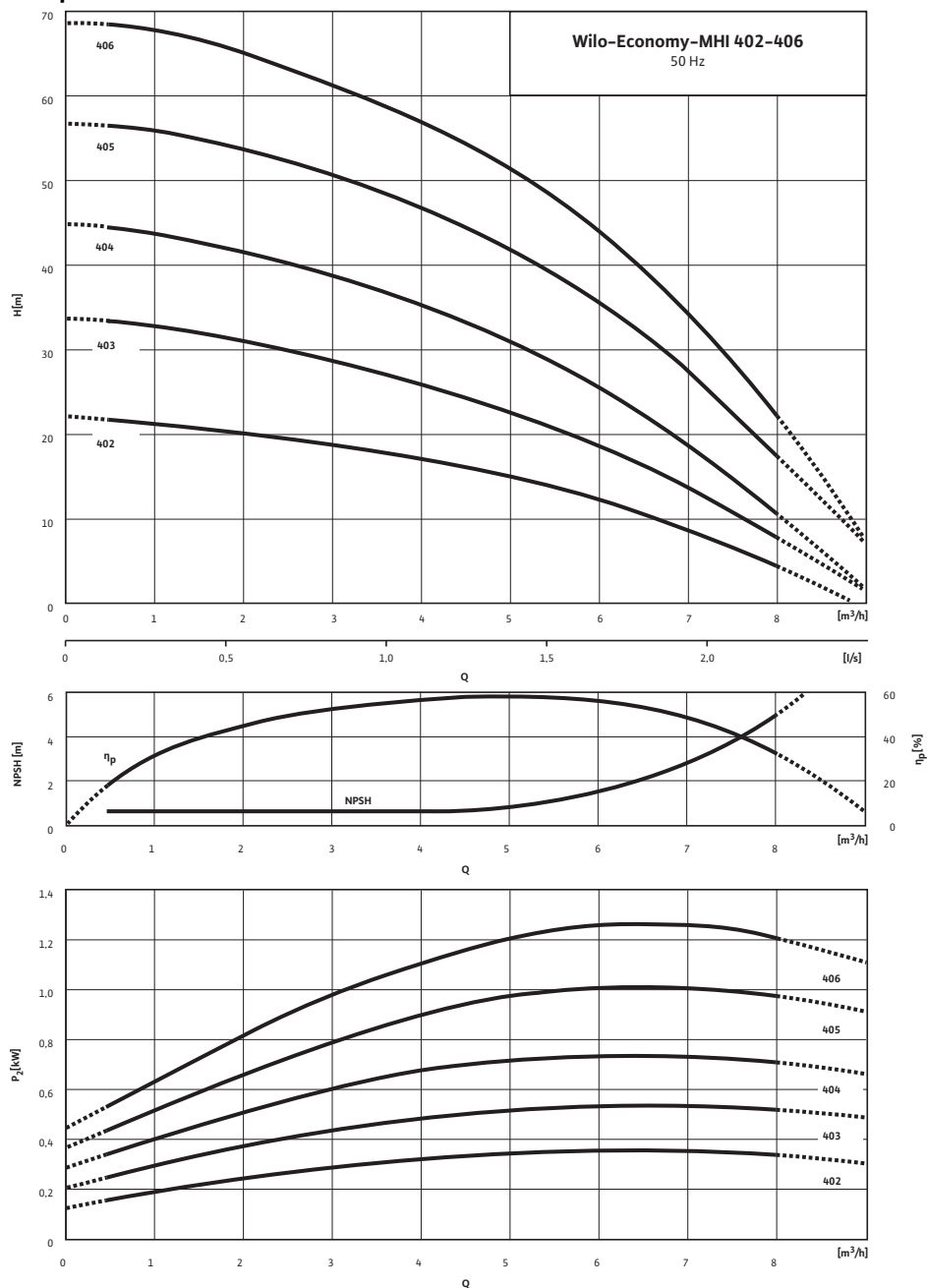
Dimensions and dimension drawings: Wilo-Economy MHI 404 (3~400 V, EPDM)

Dimension drawing



Pump curves: Wilo-Economy MHI 404 (3~400 V, EPDM)

Pump curves



Pump curves in accordance with ISO 9906, class 2

Ordering information: Wilo-Economy MHI 404 (3~400 V, EPDM)

Information for order placements

Make		Wilo
Type		MHI 404
Art no.		4148983
EAN number		4048482133294
Minimum order quantity		1
Minimum order quantity unit		PCE
Weight (net)	kg	13
Length (net)	mm	457
Width (net)	mm	190
Height (net)	mm	219
Weight (gross)	kg	14.5
Length (gross)	mm	600
Width (gross)	mm	260
Height (gross)	mm	280
Packaging type		Cardboard box

Specification texts: Wilo-Economy MHI 404 (3~400 V, EPDM)

Multistage, non-self-priming, horizontal high-pressure centrifugal pump in block design with horizontal suction- and vertical pressure port.

The pump has a compact design with a continuous motor pump shaft and a bidirectional mechanical seal.

The pump is suitable for water supply and pressure boosting, industrial recirculation systems, process water and cooling water circuits. It can also be used in washing systems as well as for irrigation.

Special features/product advantages

- Space-saving, compact block design
- All hydraulic parts which come into contact with the fluid, such as stage chambers, impellers and diffusers and the pump housing are made of stainless steel
- Drinking water approval (KTW, WRAS) for all components in contact with the fluid (EPDM version)

Scope of delivery

- Wilo-Economy MHI high-pressure multistage centrifugal pump
- Installation and operating instructions

Design notes

- Motor protection for three-phase AC motor is optional or to be provided on-site
- Single-phase AC motor equipped with built-in thermal motor protection and capacitor

Materials

Impeller: 1.4301 [AISI304]

Pump housing: 1.4301 [AISI304]

Pump shaft: 1.4301 [AISI304]

Static seal: EPDM

Mechanical seal: BQ1E3GG

Power

Fluid temperature: -15 ... 110 °C

Max. ambient temperature: 40 °C

Inlet pressure Max.: 6 bar

Motor

Insulation class: F

Protection class: IP 54

Mains connection: 3~400 V, 50 Hz

Nominal motor power: 0.75 kW

Power consumption: 1.11 kW

Nominal current 3~230 V, 50 Hz: 3.3 A

Nominal current 3~400 V, 50 Hz: 1.91 A

Motor efficiency: 76.0 %

Motor efficiency: 77.4 %

Motor efficiency: 77.4 %

Information for order placements

Make: Wilo

Specification texts: Wilo-Economy MHI 404 (3~400 V, EPDM)

Type: MHI 404

Art no.: 4148983

Weight approx.: 13.0 kg