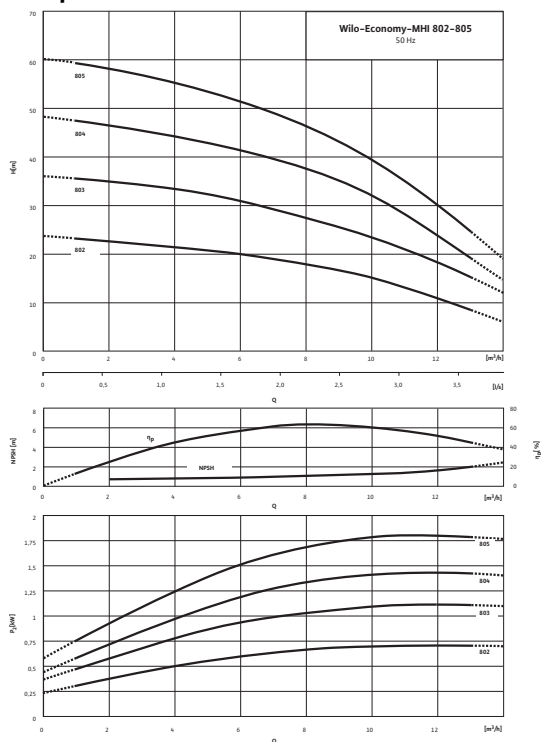


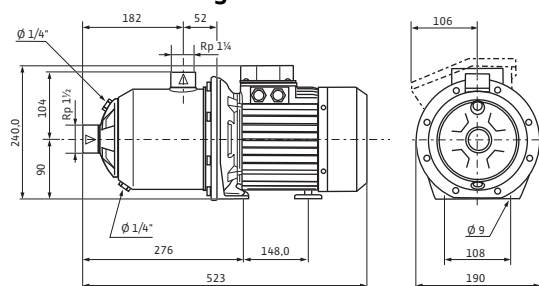
Data sheet: Wilo-Economy MHI 804 (3~400 V, EPDM)

Pump curves

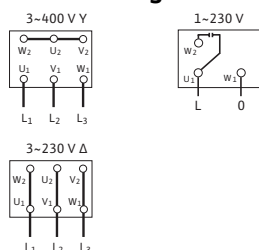


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Terminal diagram



Power

Fluid temperature	T	-15 ... 110 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	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	1.50 kW
Power consumption	P_1	2.07 kW
Nominal current 3~230 V, 50 Hz	I_N	6.4 A
Nominal current 3~400 V, 50 Hz	I_N	3.7 A
Motor efficiency	η_m	80.0 %
Motor efficiency	η_m	81.3 %
Motor efficiency	η_m	81.3 %

Connections

Nominal diameter, oval flange (on the pressure side)		G 1 1/4
Nominal diameter, oval flange (on the suction side)		G 1 1/2
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 804
Art no.	4149088

Data sheet: Wilo-Economy MHI 804 (3~400 V, EPDM)

Weight approx.	<i>m</i>	19.1 kg
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• = available, - = not available

Note on inlet pressure

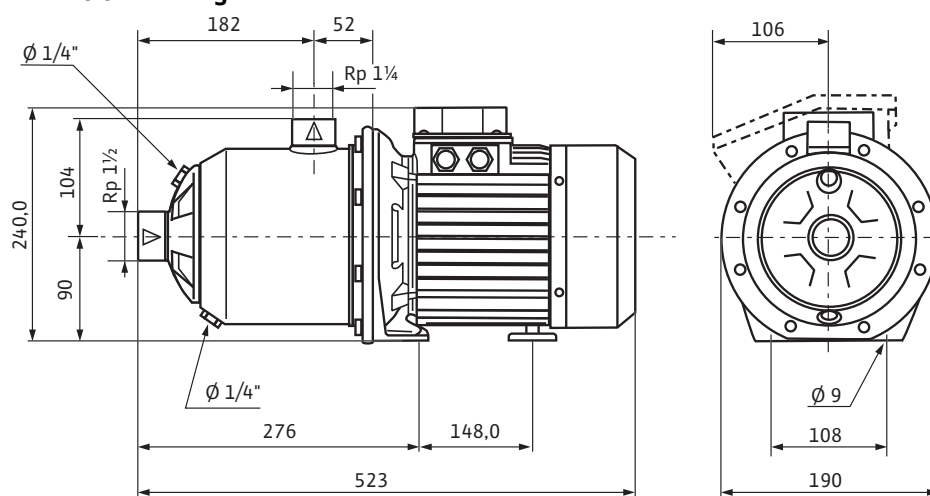
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

Note on materials

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

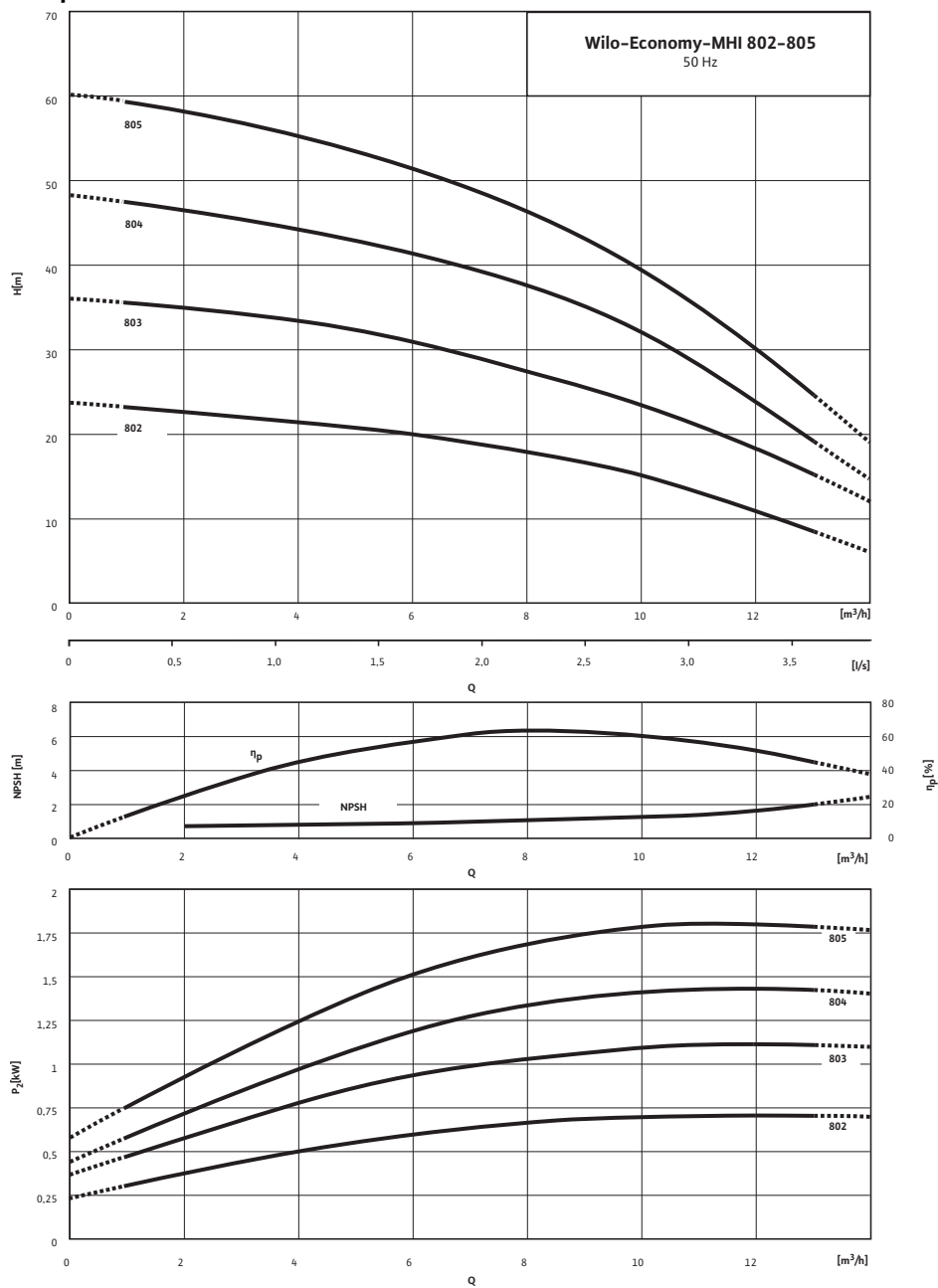
Dimensions and dimension drawings: Wilo-Economy MHI 804 (3~400 V, EPDM)

Dimension drawing



Pump curves: Wilo-Economy MHI 804 (3~400 V, EPDM)

Pump curves



Pump curves in accordance with ISO 9906, class 2

Ordering information: Wilo-Economy MHI 804 (3~400 V, EPDM)

Information for order placements		
Make		Wilo
Type		MHI 804
Art no.		4149088
EAN number		4048482133768
Minimum order quantity		1
Minimum order quantity unit		PCE
Weight (net)	kg	19.1
Length (net)	mm	523
Width (net)	mm	190
Height (net)	mm	240
Weight (gross)	kg	20.6
Length (gross)	mm	600
Width (gross)	mm	260
Height (gross)	mm	280
Packaging type		Cardboard box

Specification texts: Wilo-Economy MHI 804 (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 for all components that come 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

Max. inlet pressure: 6 bar

Motor

Insulation class: F

Protection class: IP 54

Mains connection: 3~400 V, 50 Hz

Nominal motor power: 1.50 kW

Power consumption: 2.07 kW

Nominal current 3~230 V, 50 Hz: 6.4 A

Nominal current 3~400 V, 50 Hz: 3.7 A

Motor efficiency: 80.0 %

Motor efficiency: 81.3 %

Motor efficiency: 81.3 %

Information for order placements

Make: Wilo

Specification texts: Wilo-Economy MHI 804 (3~400 V, EPDM)

Type: MHI 804

Art no.: 4149088

Weight approx.: 19.1 kg