atac

ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.

ATAC Solutions Ltd, Unit A9, Loc 8 Business Park, Ashford Road, Hollingbourne, Maidstone, England, ME17 1WR

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EOSI SNAPIER-REID Nexom Vtriplepoint atac Axius Water companies



### Series description: Wilo-Economy MHI





#### Design

Non-self-priming multistage pump

#### Application

- Water supply and pressure boosting
- · Industrial circulation systems
- Process water
- · Closed cooling circuits
- Washing system
- Irrigation
- · Water treatment

#### Type key

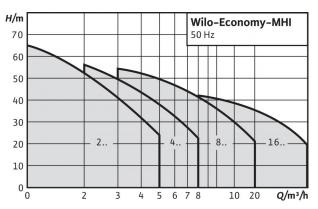
турексу	
Example:	MHI 205-1/E/3-400-50-2-IE3
MHI	Multistage horizontal high-pressure
	centrifugal pump
2	Flow rate in m <sup>3</sup> /h
05	Number of impellers
1	Material
	1 = 1.4301 (AISI 304)
	2 = 1.4404 (AISI 316L)
E	Gasket type
	E = EPDM
	V = FKM (Viton)
3	1 = 1~ (alternating current)
	3 = 3~ (three-phase 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  $^{1}\!\!\!/_{4}$  or Rp 1  $^{1}\!\!\!/_{2}$ , depending on type



Pump curves in accordance with ISO 9906: 2012 3B

#### 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
   EDDM version: B carbon/cilia
  - 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



## Product list: Wilo-Economy MHI

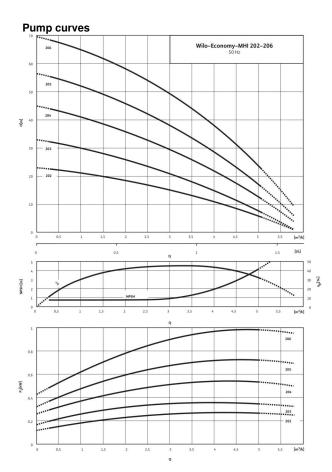
Туре	Mains connection	Static seal	Gross weight m	Rated power P <sub>2</sub>	Art no.
MHI 202	1~230 V, 50 Hz	EPDM	11.3 kg	0.55 kW	4024282
MHI 202	1~230 V, 50 Hz	FKM	11.3 kg	0.55 kW	4015676
MHI 202	3~400 V, 50 Hz	EPDM	10.4 kg	0.55 kW	4024283
MHI 202	3~400 V, 50 Hz	FKM	10.4 kg	0.55 kW	4015677
MHI 203	1~230 V, 50 Hz	EPDM	11.3 kg	0.55 kW	4024284
MHI 203	1~230 V, 50 Hz	FKM	11.3 kg	0.55 kW	4015678
MHI 203	3~400 V, 50 Hz	EPDM	10.4 kg	0.55 kW	4024285
MHI 203	3~400 V, 50 Hz	FKM	10.4 kg	0.55 kW	4015679
MHI 204	1~230 V, 50 Hz	EPDM	12.1 kg	0.55 kW	4024286
MHI 204	1~230 V, 50 Hz	FKM	12.1 kg	0.55 kW	4015680
MHI 204	3~400 V, 50 Hz	EPDM	11.2 kg	0.55 kW	4024287
MHI 204	3~400 V, 50 Hz	FKM	11.2 kg	0.55 kW	4015681
MHI 205	1~230 V, 50 Hz	EPDM	13.7 kg	0.75 kW	4024288
MHI 205	1~230 V, 50 Hz	FKM	13.7 kg	0.75 kW	4015682
MHI 205	3~400 V, 50 Hz	EPDM	14.5 kg	0.75 kW	4210718
MHI 205	3~400 V, 50 Hz	FKM	14.5 kg	0.75 kW	4210721
MHI 206	1~230 V, 50 Hz	EPDM	17.2 kg	1.1 kW	4024290
MHI 206	1~230 V, 50 Hz	FKM	17.2 kg	1.1 kW	4015684
MHI 402	1~230 V, 50 Hz	EPDM	11.3 kg	0.55 kW	4024292
MHI 402	1~230 V, 50 Hz	FKM	11.3 kg	0.55 kW	4015686
MHI 402	3~400 V, 50 Hz	EPDM	10.4 kg	0.55 kW	4024293
MHI 402	3~400 V, 50 Hz	FKM	10.4 kg	0.55 kW	4015687
MHI 402	1~230 V, 50 Hz	EPDM	12.2 kg	0.55 kW	4024294
MHI 403	1~230 V, 50 Hz	FKM	12.2 kg	0.55 kW	4015688
MHI 403	3~400 V, 50 Hz	EPDM	11.3 kg	0.55 kW	4024295
MHI 403	3~400 V, 50 Hz	FKM	11.3 kg	0.55 kW	4015689
MHI 403	1~230 V, 50 Hz	EPDM	13.7 kg	0.75 kW	4024296
MHI 404 MHI 404	1~230 V, 50 Hz	FKM	-	0.75 kW	4015690
MHI 404	3~400 V, 50 Hz	EPDM	13.7 kg	0.75 kW	4210725
			14.5 kg		
MHI 404	3~400 V, 50 Hz	FKM	14.5 kg	0.75 kW	4210731 4024298
MHI 405 MHI 405	1~230 V, 50 Hz	FKM	16.7 kg 16.7 kg	1.1 kW	
MHI 405	1~230 V, 50 Hz 3~400 V, 50 Hz	EPDM	15.3 kg	1.1 kW 1.1 kW	4015692 4210732
			-		
MHI 405	3~400 V, 50 Hz	FKM	15.3 kg	1.1 kW	4210734
MHI 406	1~230 V, 50 Hz	EPDM	19.3 kg	1.5 kW	4024300
MHI 406	1~230 V, 50 Hz	FKM	19.3 kg	1.5 kW	4015694
MHI 406	3~400 V, 50 Hz	EPDM	17.5 kg	1.1 kW	4210735
MHI 406	3~400 V, 50 Hz	FKM	17.5 kg	1.1 kW	4210737
MHI 801	3~400 V, 50 Hz	EPDM	13.6 kg	0.75 kW	4210738
MHI 802	1~230 V, 50 Hz	EPDM	17.3 kg	0.75 kW	4024302
MHI 802	1~230 V, 50 Hz	FKM	17.3 kg	0.75 kW	4015696
MHI 802	3~400 V, 50 Hz	EPDM	13.8 kg	0.75 kW	4210739
MHI 802	3~400 V, 50 Hz	FKM	13.8 kg	0.75 kW	4210742
MHI 803	1~230 V, 50 Hz	EPDM	16.0 kg	1.1 kW	4024304
MHI 803	1~230 V, 50 Hz	FKM	16.0 kg	1.1 kW	4015698
MHI 803	3~400 V, 50 Hz	EPDM	14.6 kg	1.1 kW	4210743
MHI 803	3~400 V, 50 Hz	FKM	14.6 kg	1.1 kW	4210746



## Product list: Wilo-Economy MHI

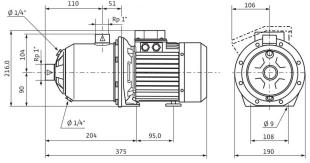
Туре	Mains connection	Static seal	Gross weight m	Rated power P <sub>2</sub>	Art no.
MHI 804	1~230 V, 50 Hz	EPDM	17.5 kg	1.5 kW	4024306
MHI 804	1~230 V, 50 Hz	FKM	17.5 kg	1.5 kW	4015700
MHI 804	3~400 V, 50 Hz	EPDM	20.6 kg	1.5 kW	4210747
MHI 804	3~400 V, 50 Hz	FKM	20.6 kg	1.5 kW	4210749
MHI 805	3~400 V, 50 Hz	EPDM	22.0 kg	2.2 kW	4210750
MHI 805	3~400 V, 50 Hz	FKM	22.0 kg	2.2 kW	4210752
MHI 1602	3~400 V, 50 Hz	EPDM	20.5 kg	1.5 kW	4210710
MHI 1603	3~400 V, 50 Hz	EPDM	22.9 kg	2.2 kW	4210713
MHI 1604	3~400 V, 50 Hz	EPDM	23.6 kg	2.2 kW	4210715

### Data sheet: Economy MHI 202 (1~230 V, EPDM)

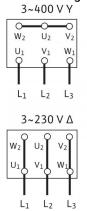


Pump curves in accordance with ISO 9906: 2012 3B

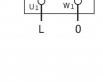
#### **Dimension drawing**



#### 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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m50\%}$	59.2 %
Motor efficiency $\eta_{m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
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
Туре	MHI 202
Art no.	4024282
Weight approx. <i>m</i>	9.8 kg

• = available, - = not available

#### Note on inlet pressure

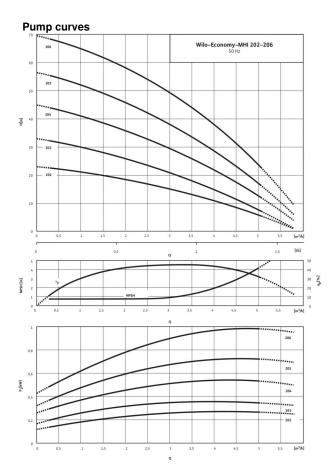
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q=0 from the maximum operating pressure of the system.

#### Note on materials

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

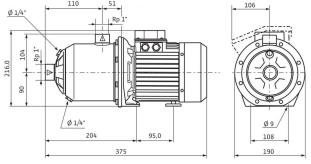
#### 10.07.2017

## Data sheet: Economy MHI 202 (1~230 V, FKM)

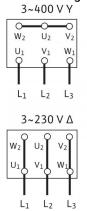


Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### Terminal diagram





W <sub>2</sub>		
	w <sub>1</sub> O	
	0	-
L	0	

Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m50\%}$	59.2 %
Motor efficiency $\eta_{m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 202
Art no.	4015676
Weight approx. <i>m</i>	9.8 kg

• = 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

-15...+110 °C

40 °C

PN bar

6 bar

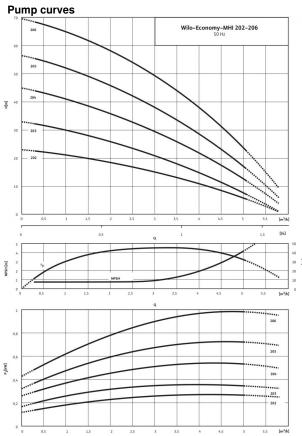
10 bar

F

64.3 %

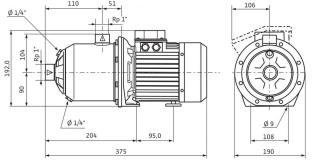
64.6 %

### Data sheet: Economy MHI 202 (3~400 V, EPDM)

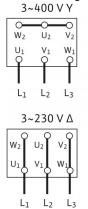


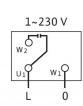
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### Terminal diagram





	Protection class	IP 54
	Mains connection	3~400 V, 50 Hz
	Rated power P <sub>2</sub>	0.55 kW
	Power consumption $P_1$	0.83 kW
	Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3 A
10	Nominal current 3~400 V, 50 Hz I <sub>N</sub>	1.7 A
50 %jdi	Motor efficiency $\eta_{m 50\%}$	59.0 %

#### Connections

Motor efficiency  $\eta_{
m m\,75\%}$ 

Motor efficiency  $\eta_{m \ 100\%}$ 

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

oomeetions	
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
Туре	MHI 202
Art no.	4024283
Weight approx. <i>m</i>	8.9 kg

• = 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

-15...+90 °C

40 °C

PN bar

6 bar

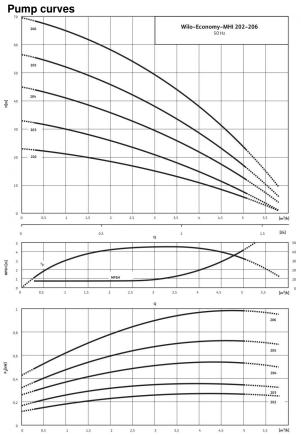
10 bar

F

IP 54

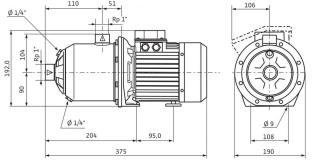
3~400 V, 50 Hz

## Data sheet: Economy MHI 202 (3~400 V, FKM)

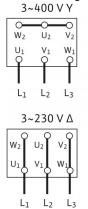


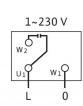
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





	Rated power P <sub>2</sub>	0.55 kW
 /h]	Power consumption P <sub>1</sub>	0.83 kW
-	Nominal current 3~230 V, 50 Hz $I_{\rm N}$	3 A
40	Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.7 A
30 %jd 20	Motor efficiency $\eta_{m50\%}$	59.0 %
10 0 (h)	Motor efficiency $\eta_{m75\%}$	64.3 %
-	Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 202
Art no.	4015677
Weight approx. <i>m</i>	8.9 kg

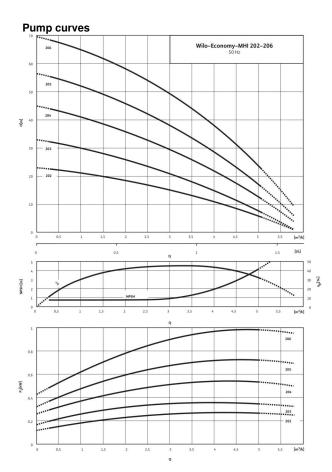
 $\bullet$  = available, - = not available

#### 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.

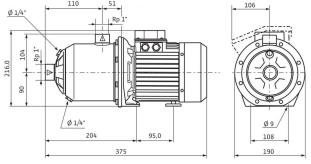
#### Note on materials

### Data sheet: Economy MHI 203 (1~230 V, EPDM)

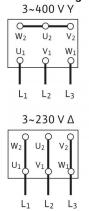


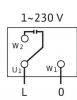
Pump curves in accordance with ISO 9906: 2012 3B

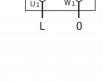
#### **Dimension drawing**



#### 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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m  50\%}$	59.2 %
Motor efficiency $\eta_{m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
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
Туре	MHI 203
Art no.	4024284
Weight approx. m	9.8 kg

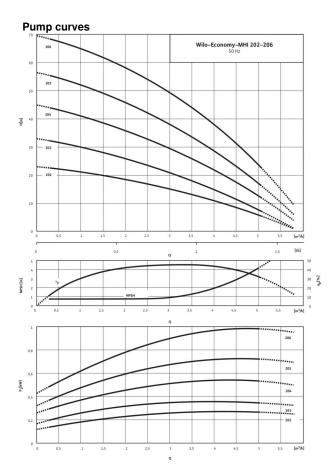
• = available, - = not available

#### 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.

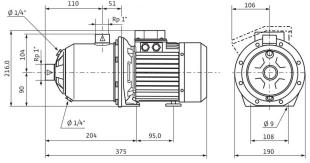
#### Note on materials

## Data sheet: Economy MHI 203 (1~230 V, FKM)

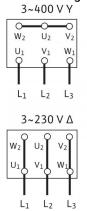


Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### Terminal diagram





W 2		
	w1	
	0	
-	0	

Power	
Fluid temperature T	-15+90 °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	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m  50\%}$	59.2 %
Motor efficiency $\eta_{ m m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 203
Art no.	4015678
Weight approx. <i>m</i>	9.8 kg

• = 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

-15...+110 °C

40 °C

PN bar

6 bar

10 bar

F

IP 54

0.55 kW

0.83 kW

3 A

1.7 A

59.0 %

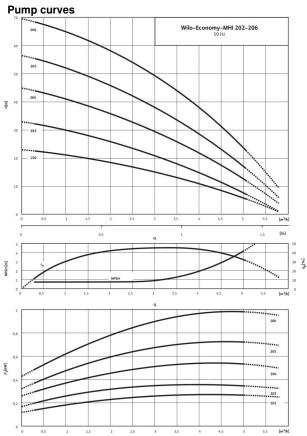
64.3 % 64.6 %

PN 10

PN 10

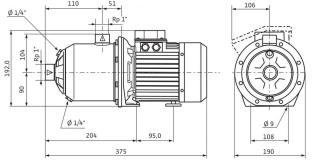
3~400 V, 50 Hz

### Data sheet: Economy MHI 203 (3~400 V, EPDM)

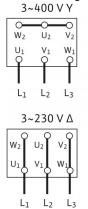


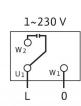
Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### Terminal diagram





.5 [m <sup>3</sup> /h]	Motor efficiency $\eta_{m75\%}$
	Motor efficiency $\eta_{m  100\%}$
206	
	Connections
205	Rated pressure level (on the pressure side) PN
204	Rated pressure level (on the suction side) PN

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Rated power P2

Power consumption P1

Motor efficiency  $\eta_{\rm m\,50\%}$ 

Mater - 40 - 1 - - - -

Nominal current 3~230 V, 50 Hz I<sub>N</sub>

Nominal current 3~400 V, 50 Hz I<sub>N</sub>

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

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

information for oracl platements	
Make	Wilo
Туре	MHI 203
Art no.	4024285
Weight approx. <i>m</i>	8.9 kg

• = 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

-15...+90 °C

40 °C

PN bar

6 bar

10 bar

F

IP 54

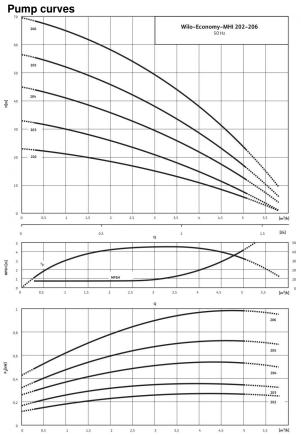
0.55 kW 0.83 kW 3 A

1.7 A

59.0 % 64.3 % 64.6 %

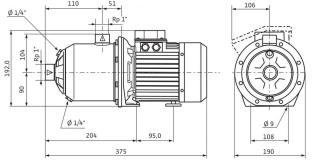
3~400 V, 50 Hz

## Data sheet: Economy MHI 203 (3~400 V, FKM)

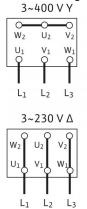


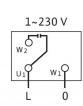
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





3/h]	Power consumption P <sub>1</sub>
51 51	Nominal current 3~230 V, 50 Hz I <sub>N</sub>
50 40	Nominal current 3~400 V, 50 Hz I <sub>N</sub>
30 %] <b>d</b> 20	Motor efficiency $\eta_{m  50\%}$
10	Motor efficiency $\eta_{m75\%}$
	Motor efficiency $\eta_{m\ 100\%}$

#### Connections

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Rated power P2

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

matorialo	
Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Wilo
MHI 203
4015679
8.9 kg

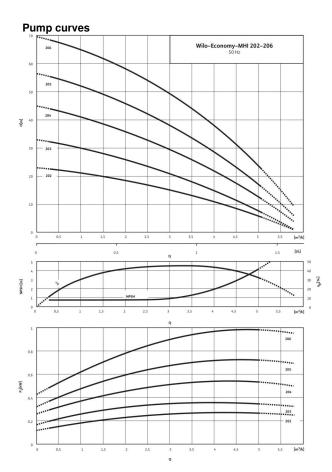
 $\bullet$  = available, - = not available

#### 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.

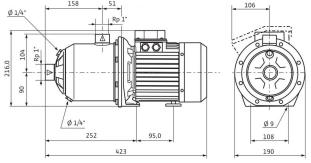
#### Note on materials

### Data sheet: Economy MHI 204 (1~230 V, EPDM)

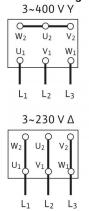


Pump curves in accordance with ISO 9906: 2012 3B

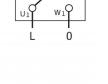
#### **Dimension drawing**



#### 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

Motor		
Insulation class	F	
Protection class	X4	
Mains connection	1~230 V, 50 Hz	
Rated power P <sub>2</sub>	0.55 kW	
Power consumption P <sub>1</sub>	0.84 kW	
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A	
Motor efficiency $\eta_{m  50\%}$	59.2 %	
Motor efficiency $\eta_{m75\%}$	64.4 %	
Motor efficiency $\eta_{m \ 100\%}$	63.9 %	

#### Connections

Connections	
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
Туре	MHI 204
Art no.	4024286
Weight approx. <i>m</i>	10.6 kg

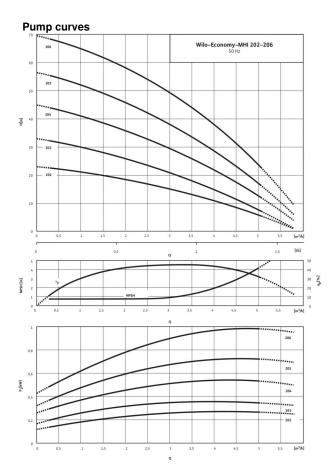
• = available, - = not available

#### 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.

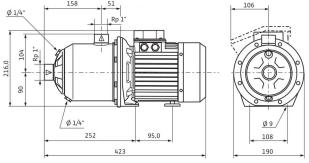
#### Note on materials

## Data sheet: Economy MHI 204 (1~230 V, FKM)

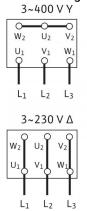


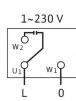
Pump curves in accordance with ISO 9906: 2012 3B

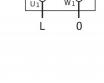
#### **Dimension drawing**



#### Terminal diagram







Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption $P_1$	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m  50\%}$	59.2 %
Motor efficiency $\eta_{m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 204
Art no.	4015680
Weight approx. m	10.6 kg

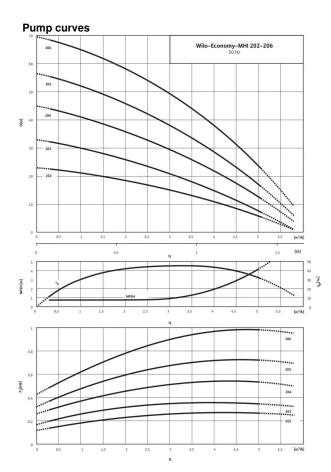
• = available, - = not available

#### 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.

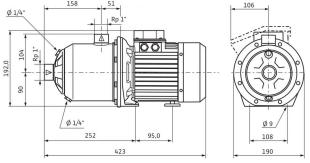
#### Note on materials

### Data sheet: Economy MHI 204 (3~400 V, EPDM)

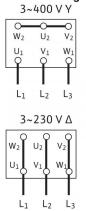


Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### Terminal diagram





	<u>Ø9</u> 108
•	190

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

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.83 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.7 A
Motor efficiency $\eta_{m  50\%}$	59.0 %
Motor efficiency $\eta_{ m m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

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
Туре	MHI 204
Art no.	4024287
Weight approx. <i>m</i>	9.7 kg

• = 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

-15...+90 °C

40 °C

PN bar

6 bar

10 bar

F

IP 54

0.55 kW

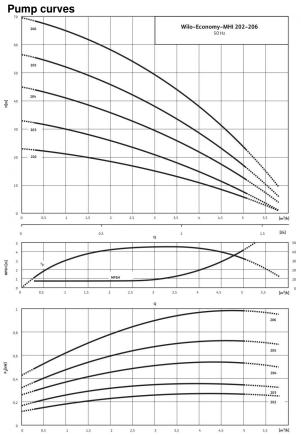
0.83 kW 3 A

1.7 A

59.0 % 64.3 % 64.6 %

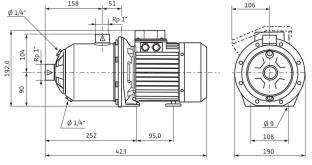
3~400 V, 50 Hz

## Data sheet: Economy MHI 204 (3~400 V, FKM)

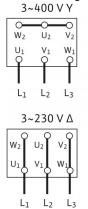


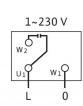
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





m <sup>3</sup> /h]	Power consumption P <sub>1</sub>
/s]	Nominal current 3~230 V, 50 Hz I <sub>N</sub>
40	Nominal current 3~400 V, 50 Hz I <sub>N</sub>
30 \$ de 20	Motor efficiency $\eta_{ m m50\%}$
10	Motor efficiency $\eta_{m75\%}$
n-/n]	Motor efficiency $\eta_{m \ 100\%}$

#### Connections

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Rated power P2

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 204
Art no.	4015681
Weight approx. <i>m</i>	9.7 kg

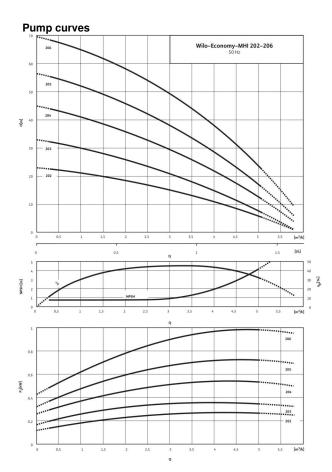
• = available, - = not available

#### 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.

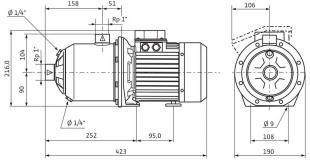
#### Note on materials

### Data sheet: Economy MHI 205 (1~230 V, EPDM)

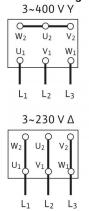


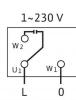
Pump curves in accordance with ISO 9906: 2012 3B

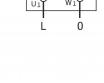
#### **Dimension drawing**



#### 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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.09 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	5.1 A
Motor efficiency $\eta_{m  50\%}$	57.7 %
Motor efficiency $\eta_{m 75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
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
Туре	MHI 205
Art no.	4024288
Weight approx. <i>m</i>	12.2 kg

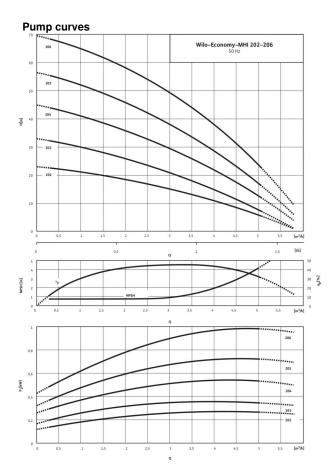
• = available, - = not available

#### 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.

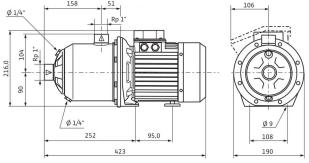
#### Note on materials

## Data sheet: Economy MHI 205 (1~230 V, FKM)

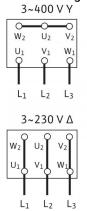


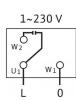
Pump curves in accordance with ISO 9906: 2012 3B

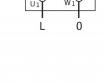
#### **Dimension drawing**



#### Terminal diagram







Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption $P_1$	1.09 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	5.1 A
Motor efficiency $\eta_{m  50\%}$	57.7 %
Motor efficiency $\eta_{m75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 205
Art no.	4015682
Weight approx. m	12.2 kg

• = 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

-15...+110 °C

40 °C

PN bar

6 bar

10 bar

F

IP 54

0.75 kW

1.1 kW

3.4 A

1.95 A

79.5 %

80.7 %

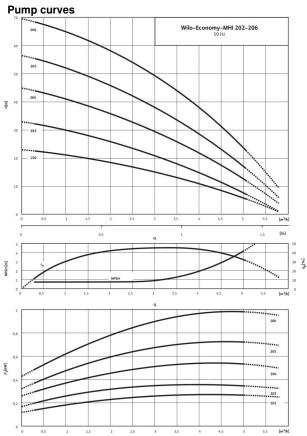
80.7 %

PN 10

PN 10

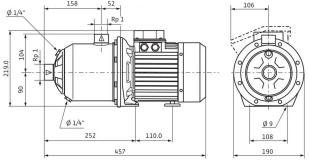
3~400 V, 50 Hz

### Data sheet: Economy MHI 205 (3~400 V, EPDM)

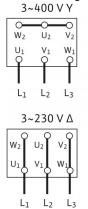


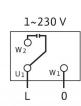
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





206	
	Connections
205	Rated pressure level (on the pressure side) PN
204	Rated pressure level (on the suction side) PN
203	
202 -	Materials
	lana all an

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Rated power  $P_2$ Power consumption  $P_1$ 

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

Nominal current 3~230 V, 50 Hz I<sub>N</sub>

Nominal current 3~400 V, 50 Hz I<sub>N</sub>

Motor efficiency  $\eta_{\rm m\,50\%}$ 

Motor efficiency  $\eta_{
m m\,75\%}$ 

Motor efficiency  $\eta_{\rm m\,100\%}$ 

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

#### Information for order placements

information for order placements	
Make	Wilo
Туре	MHI 205
Art no.	4210718
Weight approx. <i>m</i>	13.0 kg

• = 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

-15...+90 °C

40 °C

PN bar

6 bar

10 bar

F

IP 54

0.75 kW

1.1 kW

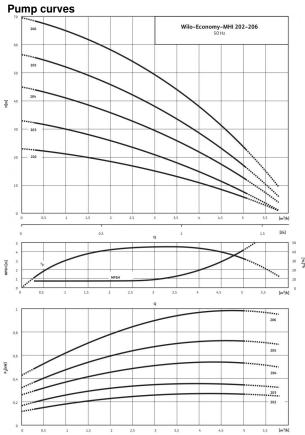
3.4 A

1.95 A

79.5 % 80.7 % 80.7 %

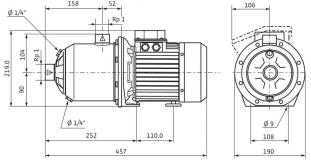
3~400 V, 50 Hz

## Data sheet: Economy MHI 205 (3~400 V, FKM)

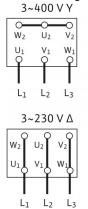


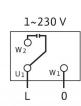
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





20	Motor efficiency $\eta_{ m m50\%}$
10 [m <sup>3</sup> /h]	Motor efficiency $\eta_{m75\%}$
206	Motor efficiency $\eta_{m100\%}$
	Connections
205	Rated pressure level (on the pressure side) PN
204	Rated pressure level (on the suction side) PN

Nominal current 3~230 V, 50 Hz I<sub>N</sub>

Nominal current 3~400 V, 50 Hz I<sub>N</sub>

Power

Motor

Fluid temperature T

Inlet pressure max. H

Rated pressure

Insulation class

Protection class

Mains connection

Rated power  $P_2$ Power consumption  $P_1$ 

Max. ambient temperature T

Maximum operating pressure  $p_{\max}$ 

#### PN 10 PN 10

Materials	
Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

information for order placements	
Make	Wilo
Туре	MHI 205
Art no.	4210721
Weight approx. <i>m</i>	13.0 kg

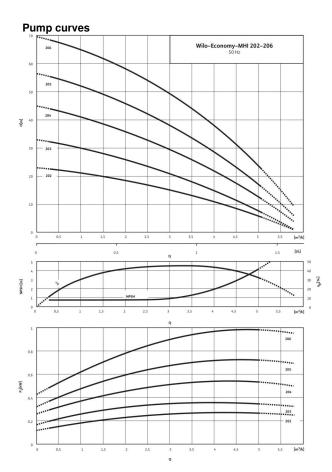
• = available, - = not available

#### 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.

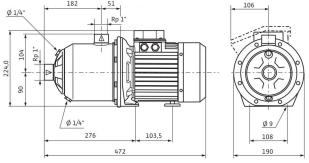
#### Note on materials

### Data sheet: Economy MHI 206 (1~230 V, EPDM)

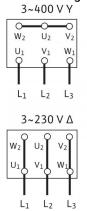


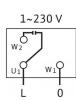
Pump curves in accordance with ISO 9906: 2012 3B

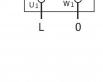
#### **Dimension drawing**



#### 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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.51 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	7.2 A
Motor efficiency $\eta_{m50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

#### Connections

Connections	
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
Туре	MHI 206
Art no.	4024290
Weight approx. <i>m</i>	15.7 kg

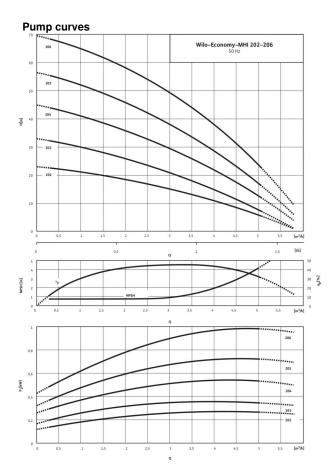
• = available, - = not available

#### 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.

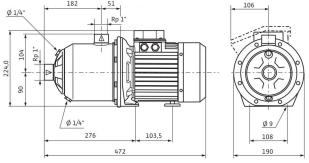
#### Note on materials

## Data sheet: Economy MHI 206 (1~230 V, FKM)

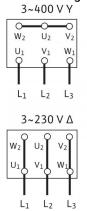


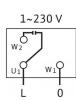
Pump curves in accordance with ISO 9906: 2012 3B

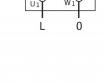
#### **Dimension drawing**



#### Terminal diagram







Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption $P_1$	1.51 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	7.2 A
Motor efficiency $\eta_{m  50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 206
Art no.	4015684
Weight approx. <i>m</i>	15.7 kg

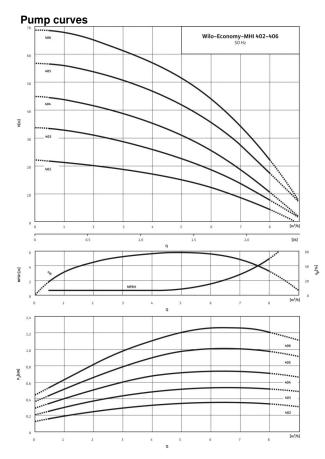
• = available, - = not available

#### 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.

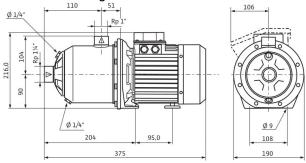
#### Note on materials

### Data sheet: Economy MHI 402 (1~230 V, EPDM)

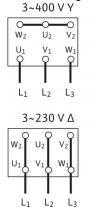


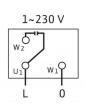
Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### **Terminal diagram**





## The maximum inlet pressure is calculated by subtracting the maximum

#### Note on materials

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

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

#### Moto

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m  50\%}$	59.2 %
Motor efficiency $\eta_{ m m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
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

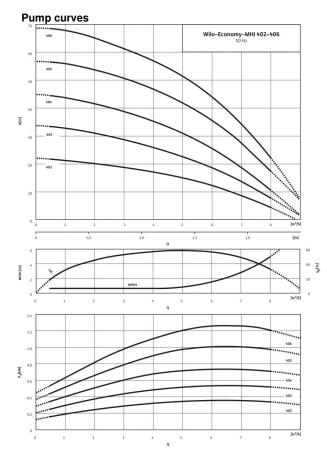
Make V	Wilo
Туре	MHI 402
Art no. 4	4024292
Weight approx. <i>m</i> 9	9.8 kg

• = available, - = not available

#### Note on inlet pressure

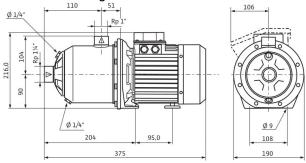
delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

## Data sheet: Economy MHI 402 (1~230 V, FKM)

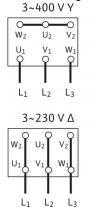


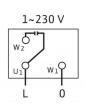
Pump curves in accordance with ISO 9906: 2012 3B

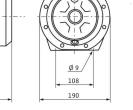
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15+90 °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	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption $P_1$	0.84 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	4 A
Motor efficiency $\eta_{m50\%}$	59.2 %
Motor efficiency $\eta_{m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 402
Art no.	4015686
Weight approx. m	9.8 kg

• = available, - = not available

#### Note on inlet pressure

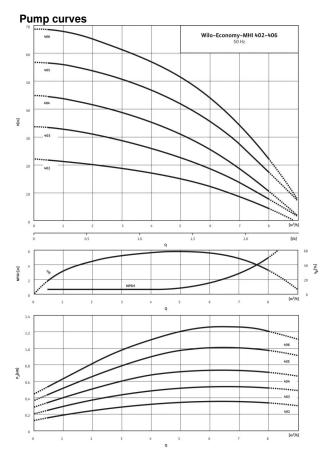
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

#### Note on materials

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

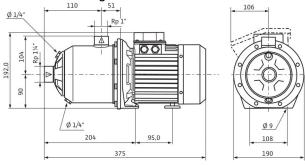
#### 10.07.2017

### Data sheet: Economy MHI 402 (3~400 V, EPDM)

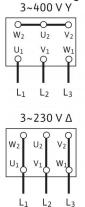


Pump curves in accordance with ISO 9906: 2012 3B

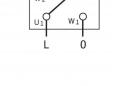
#### **Dimension drawing**



#### **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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption $P_1$	0.83 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	3 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	1.7 A
Motor efficiency $\eta_{m  50\%}$	59.0 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

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
Туре	MHI 402
Art no.	4024293
Weight approx. <i>m</i>	8.9 kg

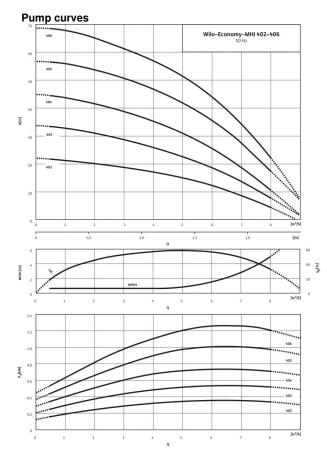
• = available, - = not available

#### 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.

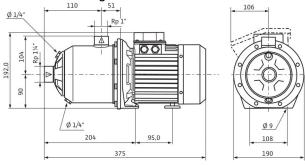
#### Note on materials

## Data sheet: Economy MHI 402 (3~400 V, FKM)

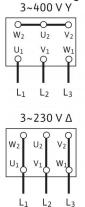


Pump curves in accordance with ISO 9906: 2012 3B

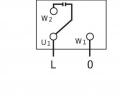
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption $P_1$	0.83 kW
Nominal current 3~230 V, 50 Hz ${\it I}_{\rm N}$	3 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	1.7 A
Motor efficiency $\eta_{ m m50\%}$	59.0 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 402
Art no.	4015687
Weight approx. <i>m</i>	8.9 kg

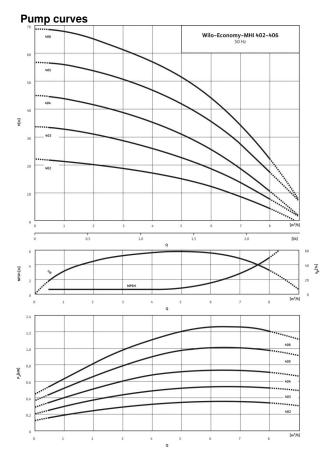
• = available, - = not available

#### 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.

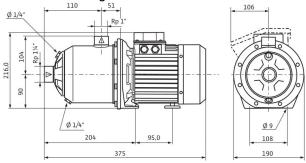
#### Note on materials

### Data sheet: Economy MHI 403 (1~230 V, EPDM)

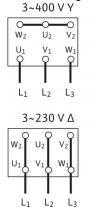


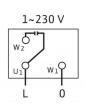
Pump curves in accordance with ISO 9906: 2012 3B

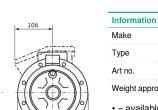
#### Dimension drawing



#### Terminal diagram







#### 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.

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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.84 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	4 A
Motor efficiency $\eta_{m  50\%}$	59.2 %
Motor efficiency $\eta_{ m m75\%}$	64.4 %
Motor efficiency $\eta_{m \ 100\%}$	63.9 %

#### Connections

connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

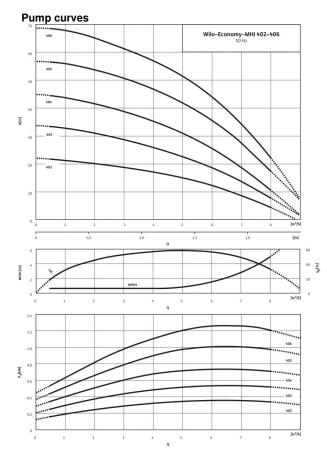
Impeller	1.4301 [AISI304]
Pump housing	1.4301 [AISI304]
Pump shaft	1.4301 [AISI304]
Static seal	EPDM
Mechanical seal	BQ1E3GG

## Information for order placements

Make	Wilo
Туре	MHI 403
Art no.	4024294
Weight approx. <i>m</i>	10.7 kg

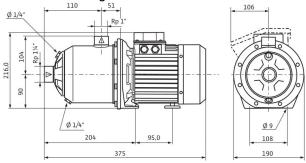
• = available, - = not available

## Data sheet: Economy MHI 403 (1~230 V, FKM)

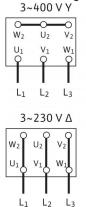


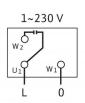
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### Terminal diagram





Power	
Fluid temperature T	-15+90 °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

F
X4
1~230 V, 50 Hz
0.55 kW
0.84 kW
4 A
59.2 %
64.4 %
63.9 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 403
Art no.	4015688
Weight approx. <i>m</i>	10.7 kg

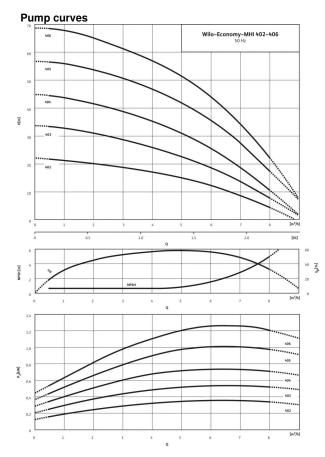
• = available, - = not available

#### 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.

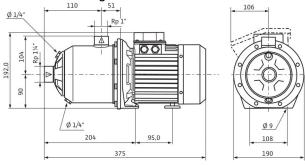
#### Note on materials

### Data sheet: Economy MHI 403 (3~400 V, EPDM)

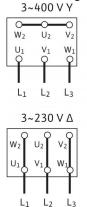


Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### Terminal diagram





# ~230 V

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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption P <sub>1</sub>	0.83 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	1.7 A
Motor efficiency $\eta_{m  50\%}$	59.0 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

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
Туре	MHI 403
Art no.	4024295
Weight approx. <i>m</i>	9.8 kg

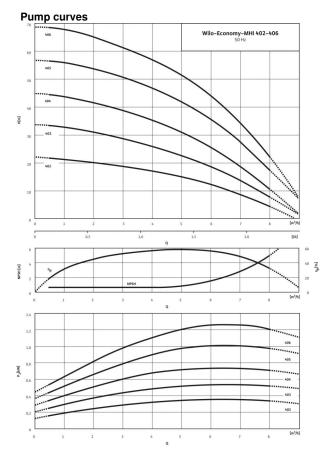
• = available, - = not available

#### 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.

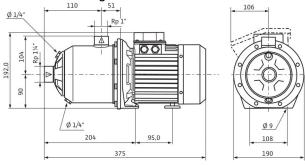
#### Note on materials

## Data sheet: Economy MHI 403 (3~400 V, FKM)

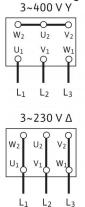


Pump curves in accordance with ISO 9906: 2012 3B

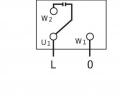
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.55 kW
Power consumption $P_1$	0.83 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	3 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	1.7 A
Motor efficiency $\eta_{ m m50\%}$	59.0 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	64.6 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 403
Art no.	4015689
Weight approx. <i>m</i>	9.8 kg

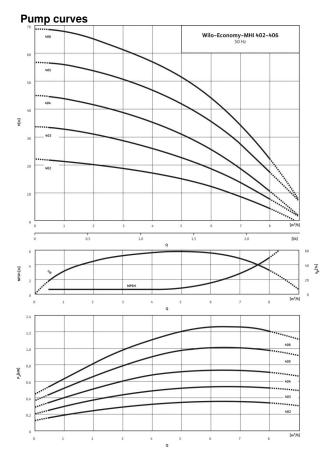
• = available, - = not available

#### 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.

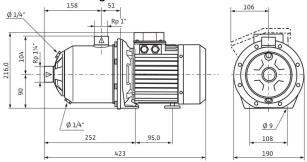
#### Note on materials

### Data sheet: Economy MHI 404 (1~230 V, EPDM)

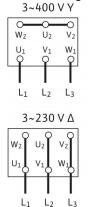


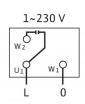
Pump curves in accordance with ISO 9906: 2012 3B

#### 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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.09 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	5.1 A
Motor efficiency $\eta_{m  50\%}$	57.7 %
Motor efficiency $\eta_{ m m75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
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
Туре	MHI 404
Art no.	4024296
Weight approx. <i>m</i>	12.2 kg

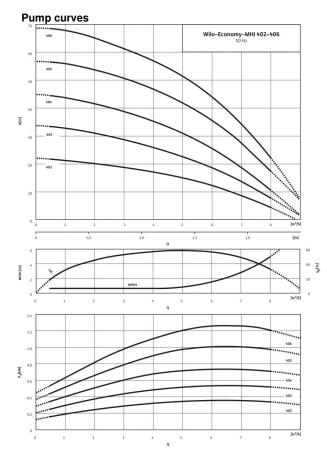
• = available, - = not available

#### 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.

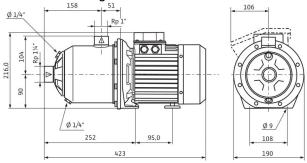
#### Note on materials

## Data sheet: Economy MHI 404 (1~230 V, FKM)

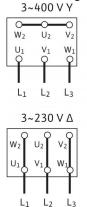


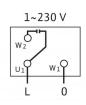
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### Terminal diagram





Power	
Fluid temperature T	-15+90 °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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.09 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	5.1 A
Motor efficiency $\eta_{m  50\%}$	57.7 %
Motor efficiency $\eta_{m75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 404
Art no.	4015690
Weight approx. <i>m</i>	12.2 kg
· · · 9-1-1- · · · · · · · · · · 9-1-1-	

• = 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.

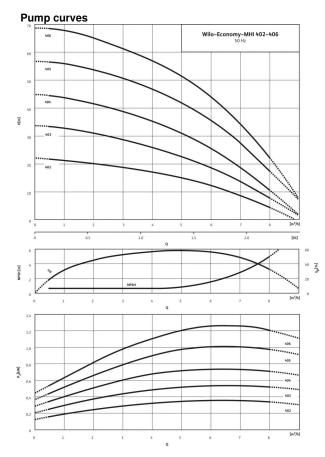
#### Note on materials

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

7							
	7	7	7	7	7	7	7

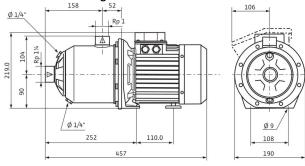
10.07.20

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

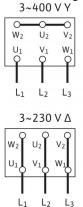


Pump curves in accordance with ISO 9906: 2012 3B

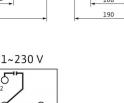
#### **Dimension drawing**



#### 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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.1 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.95 A
Motor efficiency $\eta_{\rm m50\%}$	79.5 %
Motor efficiency $\eta_{m75\%}$	80.7 %
Motor efficiency $\eta_{m \ 100\%}$	80.7 %

#### Connections

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

information for order placemente	
Make	Wilo
Туре	MHI 404
Art no.	4210725
Weight approx. <i>m</i>	13.0 kg

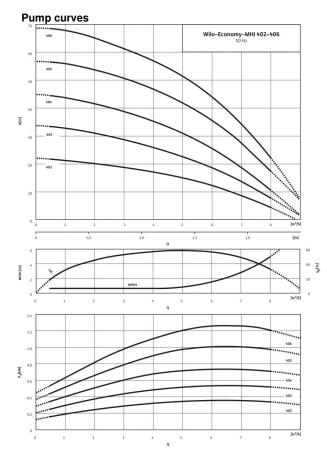
 $\bullet$  = available, - = not available

#### 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.

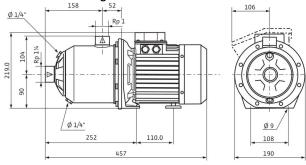
#### Note on materials

## Data sheet: Economy MHI 404 (3~400 V, FKM)

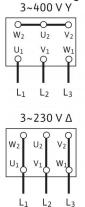


Pump curves in accordance with ISO 9906: 2012 3B

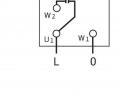
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.1 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.95 A
Motor efficiency $\eta_{\rm m50\%}$	79.5 %
Motor efficiency $\eta_{m75\%}$	80.7 %
Motor efficiency $\eta_{m \ 100\%}$	80.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]	
Pump housing	1.4404 [AISI316L]	
Pump shaft	1.4404 [AISI316L]	
Static seal	FKM	
Mechanical seal	Q1BVGG	

#### Information for order placements

information for order placemente	
Make	Wilo
Туре	MHI 404
Art no.	4210731
Weight approx. <i>m</i>	13.0 kg

• = available, - = not available

#### Note on inlet pressure

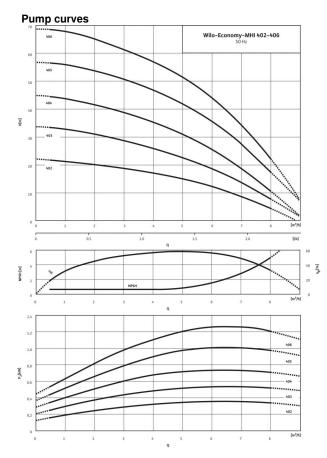
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

#### Note on materials

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

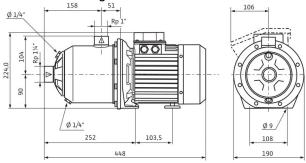
### 10.07.2017

### Data sheet: Economy MHI 405 (1~230 V, EPDM)

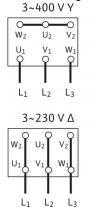


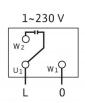
Pump curves in accordance with ISO 9906: 2012 3B

#### **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

#### Mater

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.51 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	7.2 A
Motor efficiency $\eta_{m  50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

#### Connections

Connections	
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
Туре	MHI 405
Art no.	4024298
Weight approx. m	15.2 kg

• =

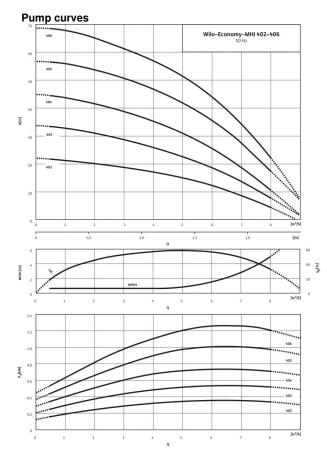
#### No

The naximum deli kimum operating pressure of from the m the system.

#### Note on materials

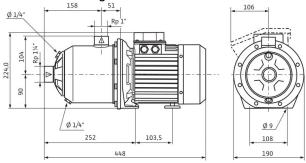
t no.	4024298
eight approx. <i>m</i>	15.2 kg
= available, - = not available	
ote on inlet pressure	
he maximum inlet pressure is calculated by solutions $\Omega = 0$ from the maximum st $\Omega = 0$	•

## Data sheet: Economy MHI 405 (1~230 V, FKM)

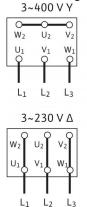


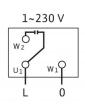
Pump curves in accordance with ISO 9906: 2012 3B

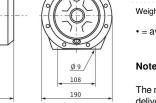
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15 90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure p <sub>max</sub>	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.51 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	7.2 A
Motor efficiency $\eta_{m  50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

### Information for order placements

Make	Wilo
Туре	MHI 405
Art no.	4015692
Weight approx. m	15.2 kg
a state and a state of the state	

• = available, - = not available

#### Note on inlet pressure

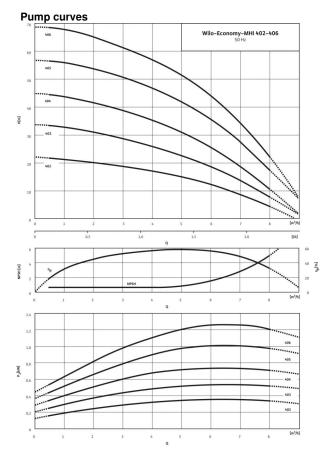
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

#### Note on materials

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

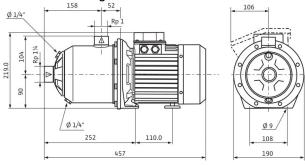
## Connections

## Data sheet: Economy MHI 405 (3~400 V, EPDM)

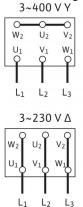


Pump curves in accordance with ISO 9906: 2012 3B

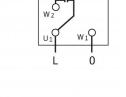
#### **Dimension drawing**



### **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

WOLOF	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption $P_1$	1.58 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	4.8 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	2.8 A
Motor efficiency $\eta_{m  50\%}$	81.5 %
Motor efficiency $\eta_{ m m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

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
Туре	MHI 405
Art no.	4210732
Weight approx. <i>m</i>	13.8 kg

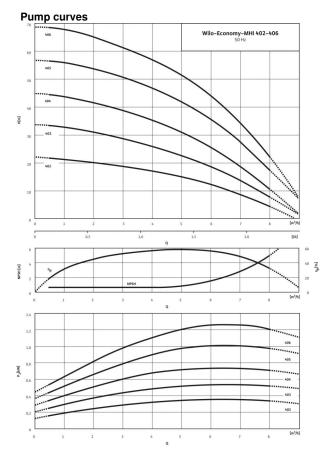
• = available, - = not available

#### 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.

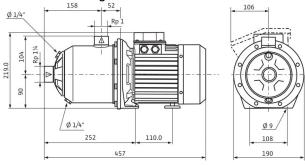
#### Note on materials

## Data sheet: Economy MHI 405 (3~400 V, FKM)

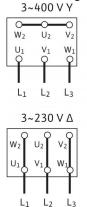


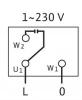
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### Terminal diagram





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure p <sub>max</sub>	10 bar

#### Motor

WOLOF	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption $P_1$	1.58 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	4.8 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	2.8 A
Motor efficiency $\eta_{m  50\%}$	81.5 %
Motor efficiency $\eta_{ m m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

information for order placementa	
Make	Wilo
Туре	MHI 405
Art no.	4210734
Weight approx. m	13.8 kg

 $\bullet$  = 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

-15 ... 110 °C

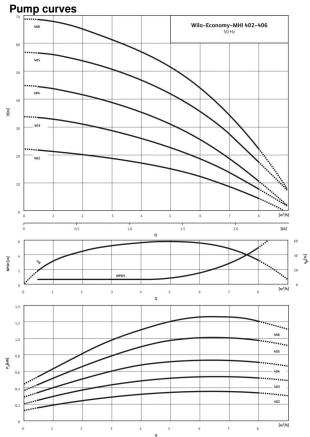
40 °C

PN bar

6 bar

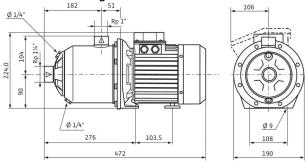
10 bar

### Data sheet: Economy MHI 406 (1~230 V, EPDM)

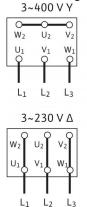


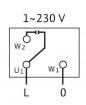
Pump curves in accordance with ISO 9906: 2012 3B

#### Dimension drawing



#### **Terminal diagram**





405	Rated pressure level (on the suction side
404	
403	Materials
402	Impeller
[m <sup>3</sup> /h]	Pump housing
	Pump shaft

## Information for order placements

Make	Wilo
Туре	MHI 406
Art no.	4024300
Weight approx. m	17.8 kg

• = 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.

Fluid temperature T			
Max. ambient temperature $T$			
Rated pressure			

#### Mator

Inlet pressure max. H

Maximum operating pressure  $p_{\rm max}$ 

Power Fluid

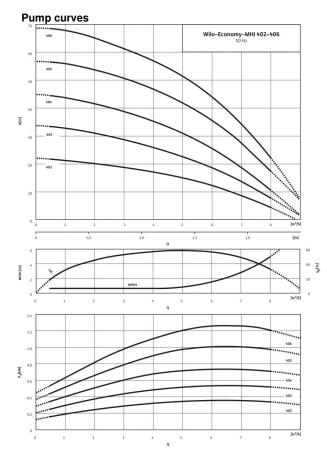
Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	1.91 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	9.2 A
Motor efficiency $\eta_{m50\%}$	59.6 %
Motor efficiency $\eta_{ m m75\%}$	66.4 %
Motor efficiency $\eta_{m \ 100\%}$	67.8 %

#### Connection

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

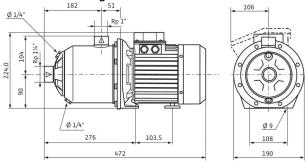
Impeller	1.4301 [AISI304]
Pump housing	1.4301 [AISI304]
Pump shaft	1.4301 [AISI304]
Static seal	EPDM
Mechanical seal	BQ1E3GG

## Data sheet: Economy MHI 406 (1~230 V, FKM)

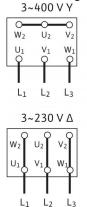


Pump curves in accordance with ISO 9906: 2012 3B

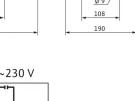
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15 90 °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	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	1.91 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	9.2 A
Motor efficiency $\eta_{m50\%}$	59.6 %
Motor efficiency $\eta_{\rm m75\%}$	66.4 %
Motor efficiency $\eta_{m \ 100\%}$	67.8 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

### Information for order placements

Make	Wilo
Туре	MHI 406
Art no.	4015694
Weight approx. <i>m</i>	17.8 kg

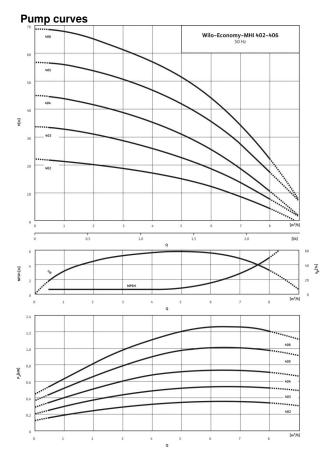
• = available, - = not available

#### 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.

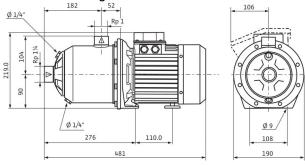
#### Note on materials

### Data sheet: Economy MHI 406 (3~400 V, EPDM)

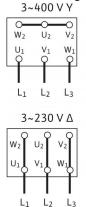


Pump curves in accordance with ISO 9906: 2012 3B

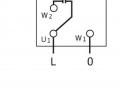
#### **Dimension drawing**



#### **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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption $P_1$	1.58 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	4.8 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	2.8 A
Motor efficiency $\eta_{ m m50\%}$	81.5 %
Motor efficiency $\eta_{m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

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
Туре	MHI 406
Art no.	4210735
Weight approx. m	16.0 kg

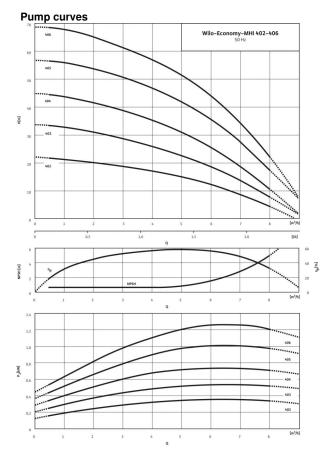
• = available, - = not available

#### 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.

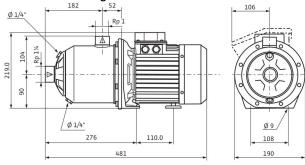
#### Note on materials

## Data sheet: Economy MHI 406 (3~400 V, FKM)

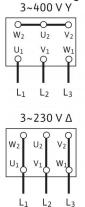


Pump curves in accordance with ISO 9906: 2012 3B

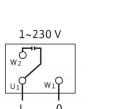
#### **Dimension drawing**



#### **Terminal diagram**







Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.58 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	4.8 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	2.8 A
Motor efficiency $\eta_{\rm m50\%}$	81.5 %
Motor efficiency $\eta_{m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 406
Art no.	4210737
Weight approx. <i>m</i>	16.0 kg

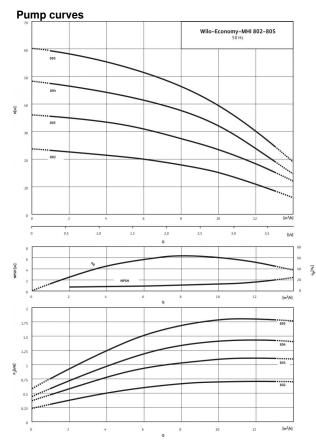
• = available, - = not available

#### 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.

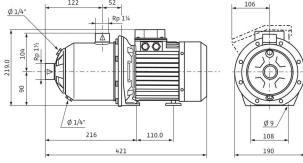
#### Note on materials

### Data sheet: Economy MHI 801 (3~400 V, EPDM)

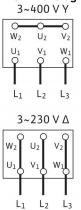


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

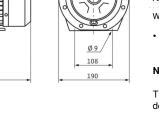


#### **Terminal diagram**



L<sub>2</sub>





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

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.1 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.95 A
Motor efficiency $\eta_{m  50\%}$	79.5 %
Motor efficiency $\eta_{m75\%}$	80.7 %
Motor efficiency $\eta_{m \ 100\%}$	80.7 %

#### Connections

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
Туре	MHI 801
Art no.	4210738
Weight approx. m	12.1 kg

• = available, - = not available

#### Note on inlet pressure

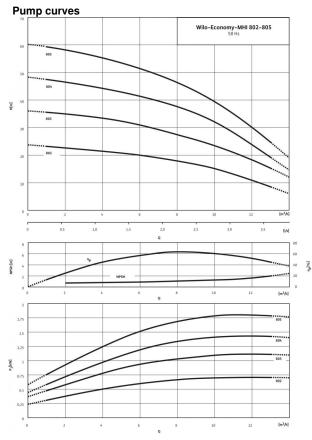
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

#### Note on materials

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

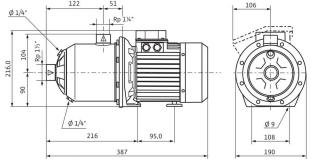
10.07.2017

### Data sheet: Economy MHI 802 (1~230 V, EPDM)

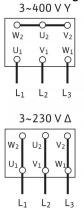


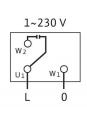
Pump curves in accordance with ISO 9906: 2012 3B

## 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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.09 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	5.1 A
Motor efficiency $\eta_{m  50\%}$	57.7 %
Motor efficiency $\eta_{m 75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
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 Type

Туре	MHI 802
Art no.	4024302
Weight approx. m	15.8 kg

Wilo

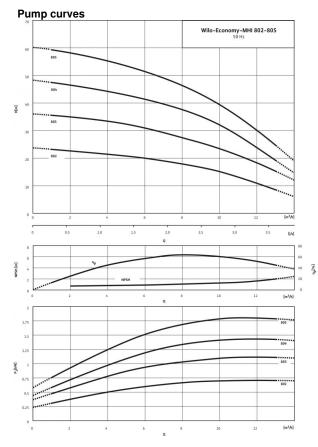
• = available, - = not available

#### 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.

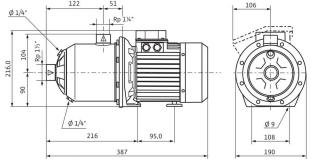
#### Note on materials

## Data sheet: Economy MHI 802 (1~230 V, FKM)

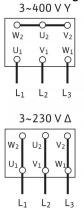


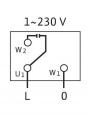
Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing



#### **Terminal diagram**





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.09 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	5.1 A
Motor efficiency $\eta_{m50\%}$	57.7 %
Motor efficiency $\eta_{m  75\%}$	62.8 %
Motor efficiency $\eta_{m \ 100\%}$	62.3 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

## Information for order placements

internation for or der placement	-
Make	Wilo
Туре	MHI 802
Art no.	4015696
Weight approx. m	15.8 kg

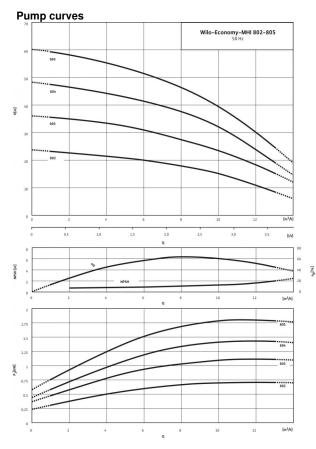
• = available, - = not available

#### 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.

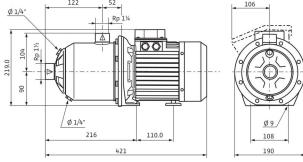
#### Note on materials

### Data sheet: Economy MHI 802 (3~400 V, EPDM)

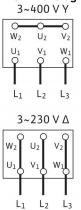


Pump curves in accordance with ISO 9906: 2012 3B

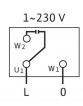
## Dimension drawing



#### **Terminal diagram**



L<sub>2</sub>





#### 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.

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

#### Motor

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.1 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.95 A
Motor efficiency $\eta_{m  50\%}$	79.5 %
Motor efficiency $\eta_{m75\%}$	80.7 %
Motor efficiency $\eta_{m \ 100\%}$	80.7 %

#### Connections

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

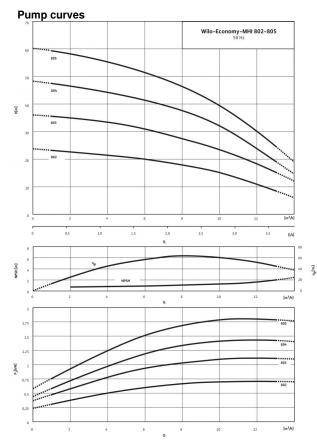
#### Information for order placements

information for order placements	
Make	Wilo
Туре	MHI 802
Art no.	4210739
Weight approx. <i>m</i>	12.3 kg

• = available, - = not available

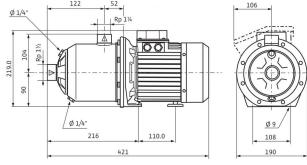
### 10.07.2017

### Data sheet: Economy MHI 802 (3~400 V, FKM)

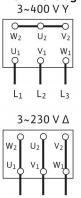


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

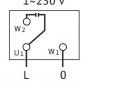


#### **Terminal diagram**



 $L_1$  $L_2$ L<sub>3</sub>





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature $T$	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure pmax	10 bar

#### Mat

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	0.75 kW
Power consumption P <sub>1</sub>	1.1 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	3.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	1.95 A
Motor efficiency $\eta_{ m m50\%}$	79.5 %
Motor efficiency $\eta_{m75\%}$	80.7 %
Motor efficiency $\eta_{m \ 100\%}$	80.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 802
Art no.	4210742
Weight approx. <i>m</i>	12.3 kg

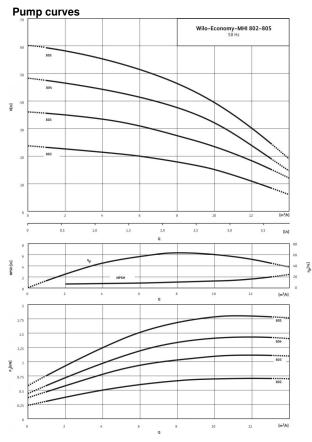
• = available, - = not available

#### 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.

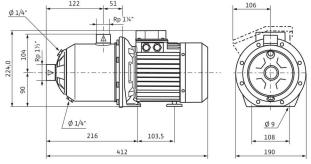
#### Note on materials

### Data sheet: Economy MHI 803 (1~230 V, EPDM)

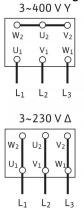


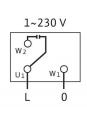
Pump curves in accordance with ISO 9906: 2012 3B

## 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

WOTOF	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.51 kW
Nominal current 1~230 V, 50 Hz $I_{\rm N}$	7.2 A
Motor efficiency $\eta_{m  50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

#### Connections

Connections	
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 Type

Туре	MHI 803
Art no.	4024304
Weight approx. <i>m</i>	14.5 kg

Wilo

• = available, - = not available

#### Note on inlet pressure

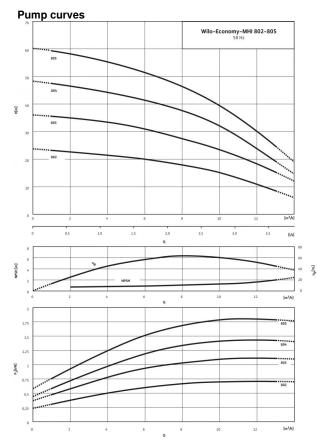
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q=0 from the maximum operating pressure of the system.

#### Note on materials

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

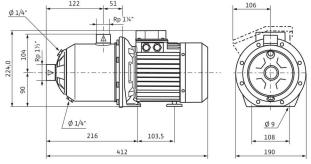
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### Data sheet: Economy MHI 803 (1~230 V, FKM)

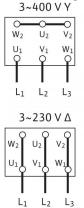


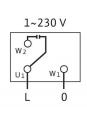
Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing



#### Terminal diagram





Power	
Fluid temperature T	-15 90 °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

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.51 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	7.2 A
Motor efficiency $\eta_{m  50\%}$	56.9 %
Motor efficiency $\eta_{m75\%}$	64.3 %
Motor efficiency $\eta_{m \ 100\%}$	67.2 %

#### Connections

Connections	
Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

## Information for order placements

Make	Wilo
Туре	MHI 803
Art no.	4015698
Weight approx. m	14.5 kg

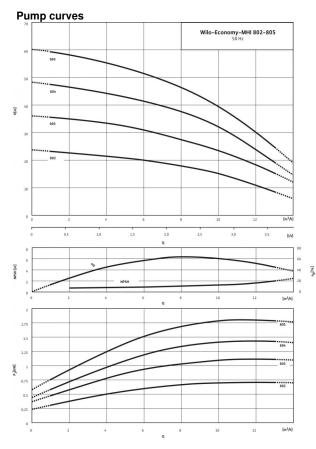
• = available, - = not available

#### 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.

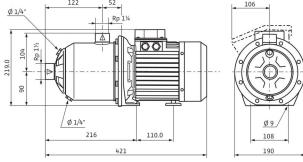
#### Note on materials

### Data sheet: Economy MHI 803 (3~400 V, EPDM)

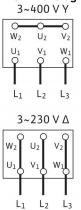


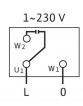
Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing



#### **Terminal diagram**







#### 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.

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 <sub>max</sub>	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption P <sub>1</sub>	1.58 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	4.8 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	2.8 A
Motor efficiency $\eta_{\rm m50\%}$	81.5 %
Motor efficiency $\eta_{m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

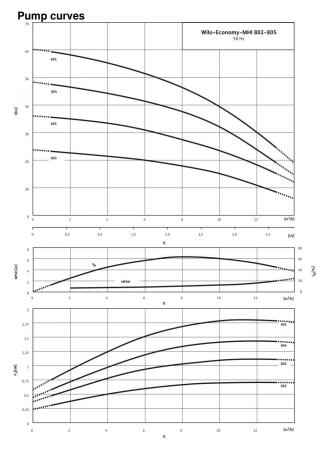
Impeller	1.4301 [AISI304]
Pump housing	1.4301 [AISI304]
Pump shaft	1.4301 [AISI304]
Static seal	EPDM
Mechanical seal	BQ1E3GG

#### Information for order placements

information for order placements	
Make	Wilo
Туре	MHI 803
Art no.	4210743
Weight approx. <i>m</i>	13.1 kg

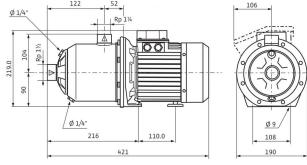
• = available, - = not available

### Data sheet: Economy MHI 803 (3~400 V, FKM)

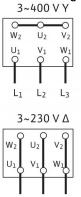


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

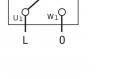


#### **Terminal diagram**



 $L_1$ L<sub>2</sub> L<sub>3</sub>





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.10 kW
Power consumption $P_1$	1.58 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	4.8 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	2.8 A
Motor efficiency $\eta_{ m m50\%}$	81.5 %
Motor efficiency $\eta_{m75\%}$	82.7 %
Motor efficiency $\eta_{m \ 100\%}$	82.7 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

information for order placementa	
Make	Wilo
Туре	MHI 803
Art no.	4210746
Weight approx. m	13.1 kg

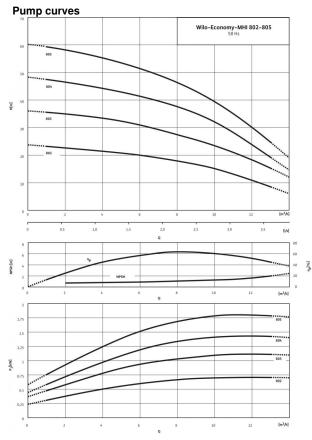
• = available, - = not available

#### 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.

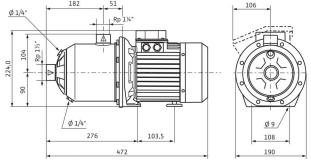
#### Note on materials

### Data sheet: Economy MHI 804 (1~230 V, EPDM)

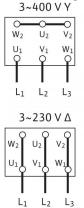


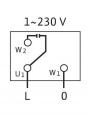
Pump curves in accordance with ISO 9906: 2012 3B

## 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

WOTOF	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	1.91 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	9.2 A
Motor efficiency $\eta_{m  50\%}$	59.6 %
Motor efficiency $\eta_{m75\%}$	66.4 %
Motor efficiency $\eta_{m \ 100\%}$	67.8 %

#### Connections

Connections	
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 Type

Туре	MHI 804
Art no.	4024306
Weight approx. m	16.0 kg

Wilo

• = available, - = not available

#### Note on inlet pressure

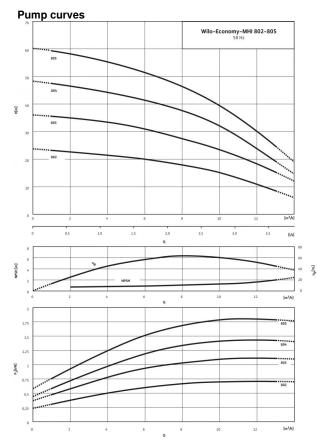
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q=0 from the maximum operating pressure of the system.

#### Note on materials

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

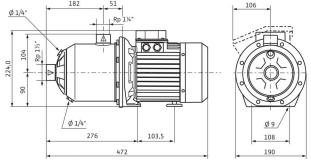
ndi.

### Data sheet: Economy MHI 804 (1~230 V, FKM)

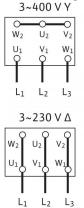


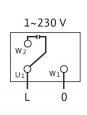
Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing



#### **Terminal diagram**





Power	
Fluid temperature T	-15 90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure $p_{max}$	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	X4
Mains connection	1~230 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	1.91 kW
Nominal current 1~230 V, 50 Hz I <sub>N</sub>	9.2 A
Motor efficiency $\eta_{m  50\%}$	59.6 %
Motor efficiency $\eta_{m75\%}$	66.4 %
Motor efficiency $\eta_{m \ 100\%}$	67.8 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements Make

Make	Wilo
Туре	MHI 804
Art no.	4015700
Weight approx. <i>m</i>	16.0 kg

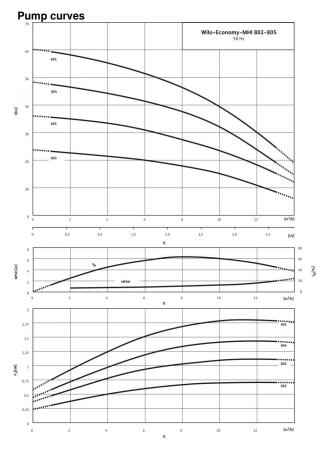
• = available, - = not available

#### 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.

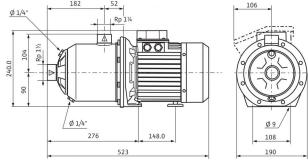
#### Note on materials

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

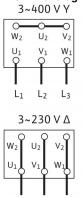


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

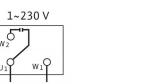


#### **Terminal diagram**



 $L_1$ L<sub>2</sub> L<sub>3</sub>





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 <sub>max</sub>	10 bar

#### Mator

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	2.09 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	6.4 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	3.7 A
Motor efficiency $\eta_{ m m50\%}$	83.0 %
Motor efficiency $\eta_{m75\%}$	84.2 %
Motor efficiency $\eta_{m \ 100\%}$	84.2 %

#### Connections

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
Туре	MHI 804
Art no.	4210747
Weight approx. <i>m</i>	19.1 kg

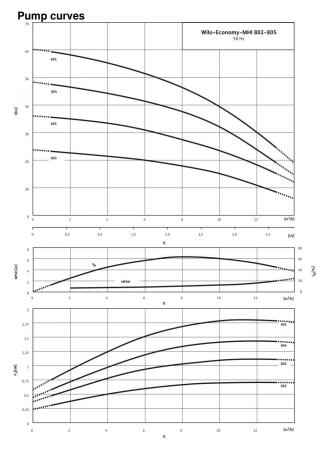
• = available, - = not available

#### 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.

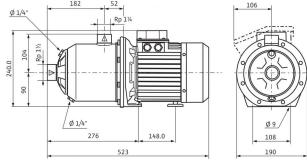
#### Note on materials

### Data sheet: Economy MHI 804 (3~400 V, FKM)

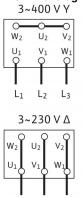


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

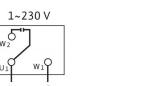


#### **Terminal diagram**



 $L_1$ L<sub>2</sub> L<sub>3</sub>





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure p <sub>max</sub>	10 bar

#### Mator

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	2.09 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	6.4 A
Nominal current 3~400 V, 50 Hz ${\it I}_{\rm N}$	3.7 A
Motor efficiency $\eta_{ m m50\%}$	83.0 %
Motor efficiency $\eta_{m75\%}$	84.2 %
Motor efficiency $\eta_{m \ 100\%}$	84.2 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

Make	Wilo
Туре	MHI 804
Art no.	4210749
Weight approx. m	19.1 kg

• = available, - = not available

#### Note on inlet pressure

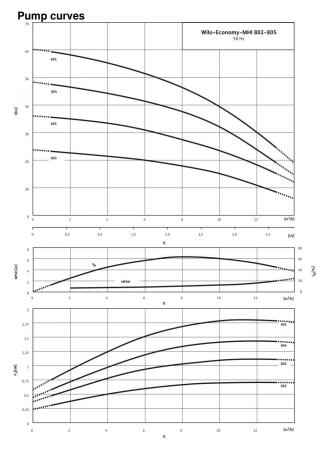
The maximum inlet pressure is calculated by subtracting the maximum delivery head of the pump at Q= 0 from the maximum operating pressure of the system.

#### Note on materials

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

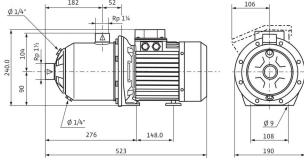
#### 10.07.2017

### Data sheet: Economy MHI 805 (3~400 V, EPDM)

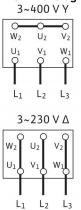


Pump curves in accordance with ISO 9906: 2012 3B

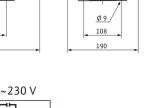
## Dimension drawing



#### 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 <sub>max</sub>	10 bar

#### Motor

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	2.20 kW
Power consumption $P_1$	3.02 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	9.4 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	5.4 A
Motor efficiency $\eta_{m  50\%}$	84.5 %
Motor efficiency $\eta_{m75\%}$	85.9 %
Motor efficiency $\eta_{m \ 100\%}$	85.9 %

#### Connections

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
Туре	MHI 805
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Art no.	4210750
Weight approx. <i>m</i>	20.5 kg

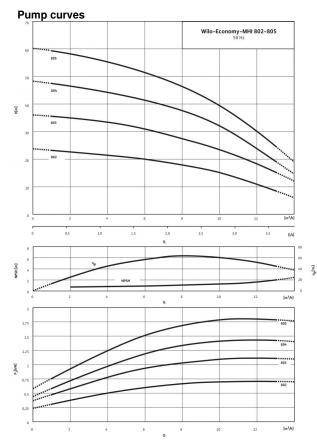
• = available, - = not available

#### 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.

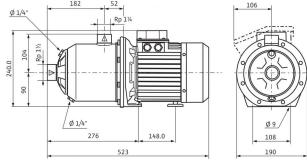
#### Note on materials

### Data sheet: Economy MHI 805 (3~400 V, FKM)

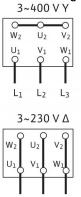


Pump curves in accordance with ISO 9906: 2012 3B

## Dimension drawing

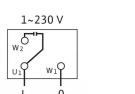


#### **Terminal diagram**



 $L_1$  $L_2$ L<sub>3</sub>





Power	
Fluid temperature T	-15+90 °C
Max. ambient temperature T	40 °C
Rated pressure	PN bar
Inlet pressure max. H	6 bar
Maximum operating pressure p <sub>max</sub>	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	2.20 kW
Power consumption P <sub>1</sub>	3.02 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	9.4 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	5.4 A
Motor efficiency $\eta_{\rm m50\%}$	84.5 %
Motor efficiency $\eta_{m75\%}$	85.9 %
Motor efficiency $\eta_{m \ 100\%}$	85.9 %

#### Connections

Rated pressure level (on the pressure side) PN	PN 10
Rated pressure level (on the suction side) PN	PN 10

#### Materials

Impeller	1.4404 [AISI316L]
Pump housing	1.4404 [AISI316L]
Pump shaft	1.4404 [AISI316L]
Static seal	FKM
Mechanical seal	Q1BVGG

#### Information for order placements

information for order placements	
Make	Wilo
Туре	MHI 805
Art no.	4210752
Weight approx. m	20.5 kg

• = available, - = not available

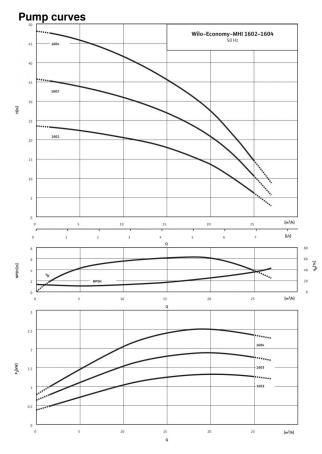
#### Note on inlet pressure

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

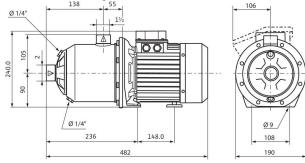
10.07.2017
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## Data sheet: Economy MHI 1602 (3~400 V, EPDM)

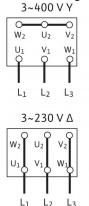


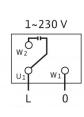
Pump curves in accordance with ISO 9906: 2012 3B

#### 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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	1.50 kW
Power consumption P <sub>1</sub>	2.09 kW
Nominal current 3~230 V, 50 Hz $I_{\rm N}$	6.4 A
Nominal current 3~400 V, 50 Hz $I_{\rm N}$	3.7 A
Motor efficiency $\eta_{m50\%}$	83.0 %
Motor efficiency $\eta_{m75\%}$	84.2 %
Motor efficiency $\eta_{m \ 100\%}$	84.2 %

#### Connections

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
Туре	MHI 1602
Art no.	4210710
Weight approx. m	19.0 kg

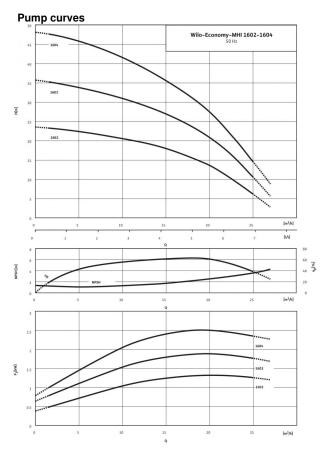
 $\bullet$  = available, - = not available

#### 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.

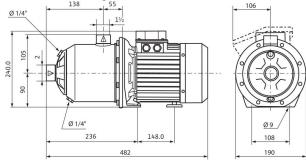
#### Note on materials

## Data sheet: Economy MHI 1603 (3~400 V, EPDM)

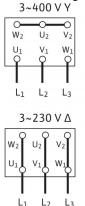


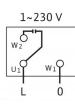
Pump curves in accordance with ISO 9906: 2012 3B

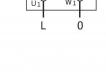
#### Dimension drawing



#### 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

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	2.20 kW
Power consumption $P_1$	3.02 kW
Nominal current 3~230 V, 50 Hz ${\it I}_{\rm N}$	9.4 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	5.4 A
Motor efficiency $\eta_{\rm m50\%}$	84.5 %
Motor efficiency $\eta_{m75\%}$	85.9 %
Motor efficiency $\eta_{m \ 100\%}$	85.9 %

#### Connections

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
Туре	MHI 1603
Art no.	4210713
Weight approx. <i>m</i>	21.4 kg

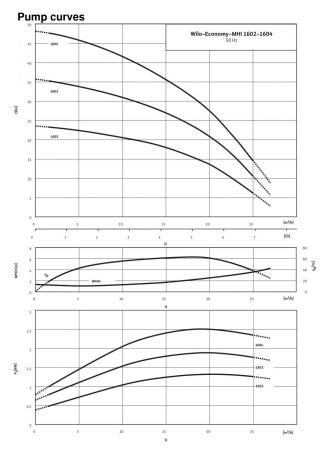
• = available, - = not available

#### 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.

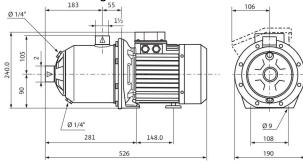
#### Note on materials

## Data sheet: Economy MHI 1604 (3~400 V, EPDM)

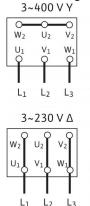


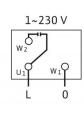
Pump curves in accordance with ISO 9906: 2012 3B

#### **Dimension drawing**



#### **Terminal diagram**





		Mechanical
	<b>■</b> 106	
		Informatio
		Make
		Туре
-		Art no.
	0	Weight app

• = 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.

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 pmax	10 bar

#### Mater

Motor	
Insulation class	F
Protection class	IP 54
Mains connection	3~400 V, 50 Hz
Rated power P <sub>2</sub>	2.20 kW
Power consumption P <sub>1</sub>	3.02 kW
Nominal current 3~230 V, 50 Hz I <sub>N</sub>	9.4 A
Nominal current 3~400 V, 50 Hz I <sub>N</sub>	5.4 A
Motor efficiency $\eta_{\rm m50\%}$	84.5 %
Motor efficiency $\eta_{m75\%}$	85.9 %
Motor efficiency $\eta_{m \ 100\%}$	85.9 %

#### Connections

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

#### on for order placements

Make	Wilo
Туре	MHI 1604
Art no.	4210715
Weight approx. <i>m</i>	22.1 kg

#### 10.07.2017