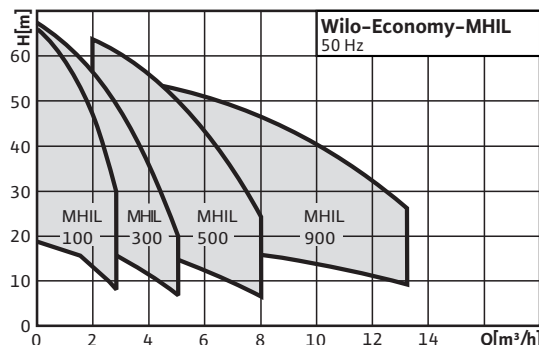


Series description: Wilo-Economy MHIL



Pump curves in accordance with ISO 9906, class 2

Design

Non-self-priming multistage pump

Application

- Water supply and pressure boosting
- Commerce and industry
- Washing and spraying systems
- Rainwater utilisation
- Cooling and cold water circuits

Type key

Example:	MHIL 302N-E-3-400-50-2
MHIL	Multistage horizontal high-pressure centrifugal pump
3	Volume flow in m ³ /h
02	Number of impellers
N	IE2 motor
	Type of gasket
E	E = EPDM V = FKM (Viton)
3	1 = 1~ (single-phase AC) 3 = 3~ (three-phase AC)
400	Connection voltage in V
50	Frequency in Hz
2	Number of poles

Special features/product advantages

- IE2-IEC three-phase AC motor (≥ 0.75 kW)
- Impellers and stage chambers made of 1.4301 stainless steel (AISI 304)
- Pump housing made of EN-GJL-250 cast iron, cataphoretic coated
- All relevant components are KTW, WRAS, ACS certified
- Single-phase AC and three-phase AC versions

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 220 V (±10 %), 50 Hz (Δ), 400 V (±10 %), 50 Hz (Y) or optionally 460 V (±10 %), 60 Hz (Y)
- Fluid temperature of -15 to +90 °C
- Max. operating pressure 10 bar
- Max. inlet pressure of 6 bar
- Protection class 1~: IP X4; 3~: IP 54
- Nominal diameters of pipe connections on pressure side: Rp 1 or Rp 1 ¼, depending on type
- Nominal diameters of pipe connections on suction side Rp 1, Rp 1 ¼ or Rp 1 ½, depending on type

Equipment/function

- Pump in monobloc design
- Threaded connection
- Single-phase or three-phase motor
- Single-phase AC motor with integrated thermal motor protection

Materials

- Impellers stainless steel 1.4301
- Stage chambers stainless steel 1.4301
- Shaft stainless steel 1.4028
- Seal EPDM
- Housing cover ENGJL250 (cataphoretic-coated)
- Lower housing section ENGJL250 (cataphoretic-coated)
- Mechanical seal SiC/carbon
- Bearing tungsten carbide
- Pump base ENGJL250 (cataphoretic-coated)

Scope of delivery

- Pump
- Installation and operating instructions

Product list: Wilo-Economy MHIL

Type	Mains connection	Gross weight	Nominal motor power	Art no.
		<i>m / kg</i>	<i>P₂ / kW</i>	
MHIL 102	1~230 V, 50 Hz	14.1	0.55	4083883
MHIL 102	3~400 V, 50 Hz	13.9	0.55	4083882
MHIL 103	1~230 V, 50 Hz	14.4	0.55	4083885
MHIL 103	3~400 V, 50 Hz	14.2	0.55	4083884
MHIL 104	1~230 V, 50 Hz	14.7	0.55	4083887
MHIL 104	3~400 V, 50 Hz	14.6	0.55	4083886
MHIL 105	1~230 V, 50 Hz	15	0.55	4083888
MHIL 105	3~400 V, 50 Hz	14.9	0.55	4083889
MHIL 106	1~230 V, 50 Hz	15.4	0.55	4083890
MHIL 106	3~400 V, 50 Hz	15.2	0.55	4083891
MHIL 107	1~230 V, 50 Hz	15.7	0.55	4083893
MHIL 107	3~400 V, 50 Hz	15.5	0.55	4083892
MHIL 302	1~230 V, 50 Hz	14.4	0.55	4083894
MHIL 302	3~400 V, 50 Hz	14.2	0.55	4083895
MHIL 303	1~230 V, 50 Hz	14.6	0.55	4083896
MHIL 303	3~400 V, 50 Hz	14.5	0.55	4083897
MHIL 304	1~230 V, 50 Hz	14.9	0.55	4083898
MHIL 304	3~400 V, 50 Hz	14.7	0.55	4083899
MHIL 305	1~230 V, 50 Hz	16.5	0.75	4083901
MHIL 305	3~400 V, 50 Hz	19	0.75	4158403
MHIL 306	1~230 V, 50 Hz	19.2	1.10	4083902
MHIL 306	3~400 V, 50 Hz	16.9	1.10	4158380
MHIL 502	1~230 V, 50 Hz	14.4	0.55	4083904
MHIL 502	3~400 V, 50 Hz	14.2	0.55	4083905
MHIL 503	1~230 V, 50 Hz	14.7	0.55	4083906
MHIL 503	3~400 V, 50 Hz	14.5	0.55	4083907
MHIL 504	1~230 V, 50 Hz	16.3	0.75	4083908
MHIL 504	3~400 V, 50 Hz	18.8	0.75	4158432
MHIL 505	1~230 V, 50 Hz	19	1.10	4083910
MHIL 505	3~400 V, 50 Hz	16.7	1.10	4158411
MHIL 506	1~230 V, 50 Hz	20.9	1.50	4083913
MHIL 506	3~400 V, 50 Hz	22.4	1.50	4158392
MHIL 902	1~230 V, 50 Hz	15.7	0.75	4083914
MHIL 902	3~400 V, 50 Hz	18.2	0.75	4158396
MHIL 903	1~230 V, 50 Hz	18.5	1.10	4083916
MHIL 903	3~400 V, 50 Hz	16.1	1.10	4158373
MHIL 904	1~230 V, 50 Hz	20.3	1.50	4083918
MHIL 904	3~400 V, 50 Hz	18.6	1.50	4083919
MHIL 904	3~400 V, 50 Hz	21.9	1.50	4158423
MHIL 905	3~400 V, 50 Hz	24.4	2.20	4158378

Variants: Wilo-Economy MHIL

Materials

Pump base EN-GJL-250 with cataphoretic coating, hydraulics in 1.4301/1.4404 (AISI 304/316L)	•
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Parts in contact with fluid in 1.4301 (AISI 304)	–
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Parts in contact with fluid in 1.4404 (AISI 316L)	–
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Seal version

Seal	EPDM
------	------

Hydraulic connection

Threaded connection	•
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Oval flange	–
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Round flange	–
--------------	---

Victaulic quick coupling	–
--------------------------	---

Motor version

Individual motors	–
-------------------	---

1~230 V, 50 Hz	•
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3~230 V, 50 Hz	–
----------------	---

3~400 V, 50 Hz	•
----------------	---

3~500 V, 50 Hz	–
----------------	---

1~110 V, 60 Hz	–
----------------	---

1~220 V, 60 Hz	optional
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3~380 V, 60 Hz	optional
----------------	----------

3~400 V, 60 Hz	–
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3~440 V, 60 Hz	–
----------------	---

3~460 V, 60 Hz	optional
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3~480 V, 60 Hz	optional
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3~380 V to 440 V and 50 Hz to 60 Hz	–
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Protection class	IP 54
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Explosion protection	–
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Motors with PTC thermistors	optional
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Motors with UL certificates	–
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Motors with CSA certificates	–
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Thermal motor protection switch (EM version)	•
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Speed can be controlled via external FC	–
---	---

Integrated frequency converter	–
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Painting

Individual painting	•
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Mechanical seal

Tungsten carbide/carbon	optional
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01622 882400 /
 info@atacsolutions.com

Variants: Wilo-Economy MHIL

SiC/carbon	•
Tungsten carbide/tungsten carbide	optional
SiC/SiC	optional

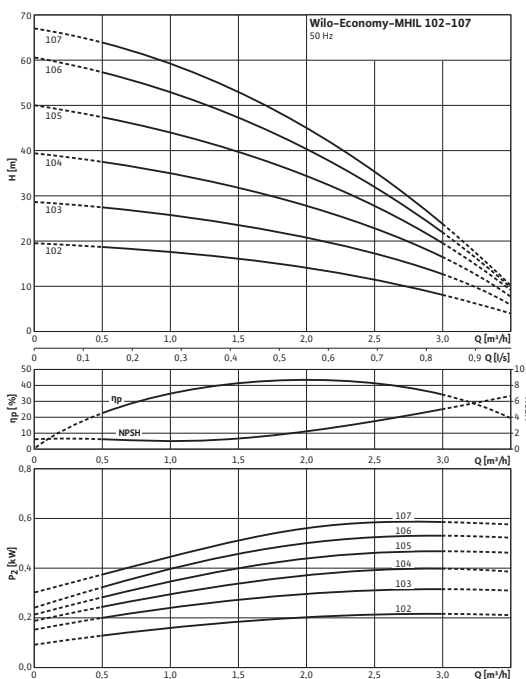
Potable water approvals

KTW	•
WRAS	•

• = available, = not available

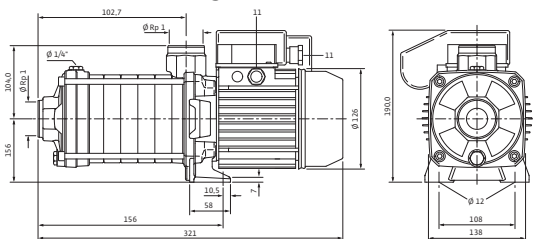
Data sheet: Wilo-Economy MHIL 102 (1~230 V)

Pump curves

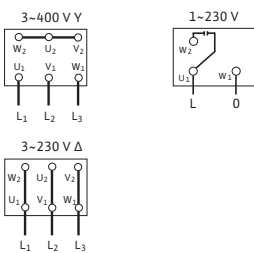


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

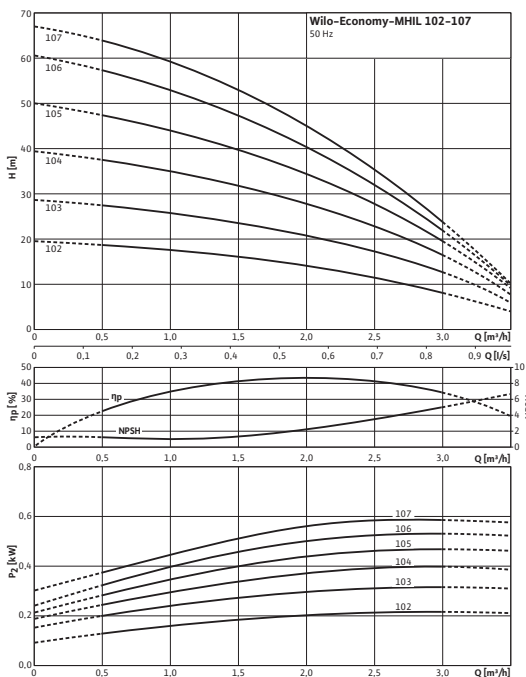
Data sheet: Wilo-Economy MHIL 102 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 102	
Art no.	4083883	
Weight approx.	<i>m</i>	12.6 kg

• = available, = not available

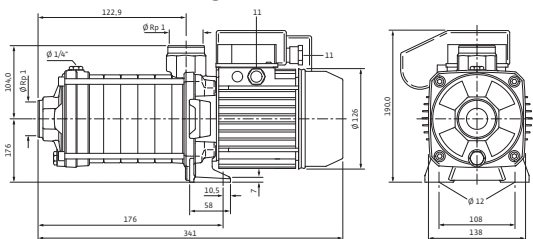
Data sheet: Wilo-Economy MHIL 103 (1~230 V)

Pump curves

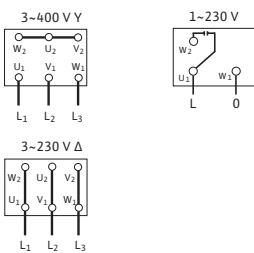


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

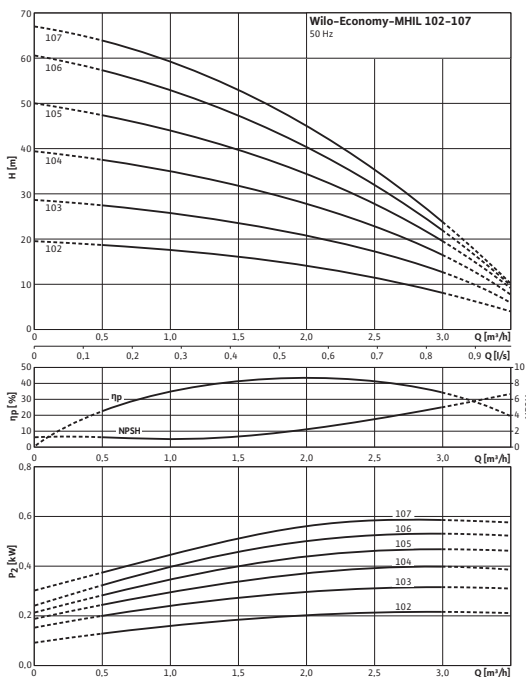
Data sheet: Wilo-Economy MHIL 103 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 103	
Art no.	4083885	
Weight approx.	<i>m</i>	12.9 kg

• = available, = not available

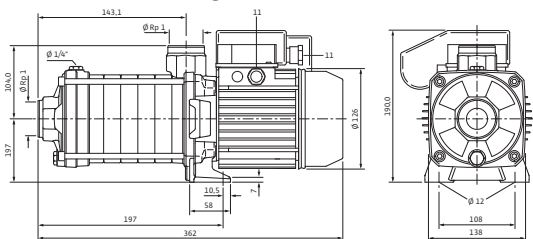
Data sheet: Wilo-Economy MHIL 104 (1~230 V)

Pump curves

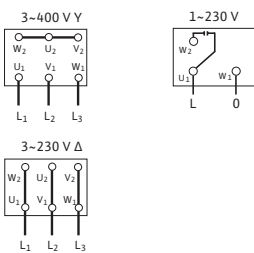


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	4.10 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–
Static seal	EPDM

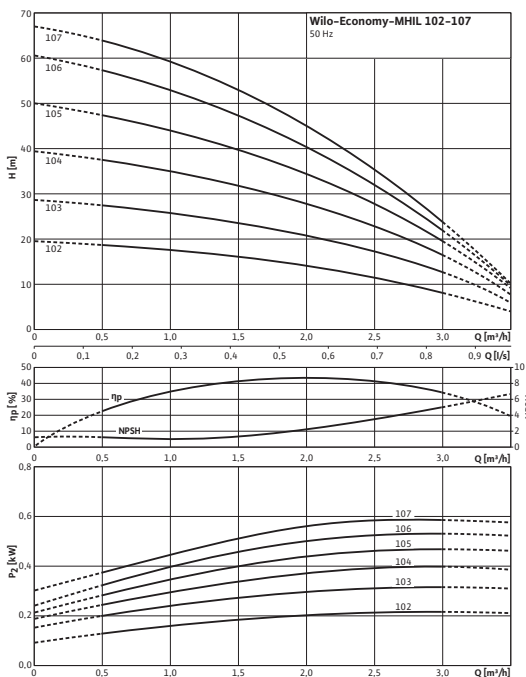
Data sheet: Wilo-Economy MHIL 104 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 104	
Art no.	4083887	
Weight approx.	<i>m</i>	13.2 kg

• = available, = not available

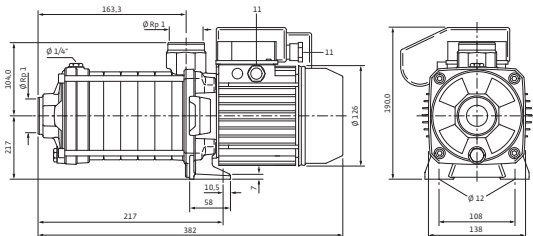
Data sheet: Wilo-Economy MHIL 105 (1~230 V)

Pump curves

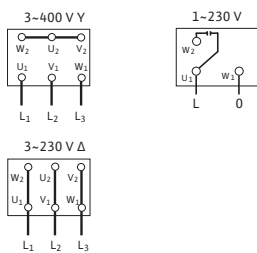


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

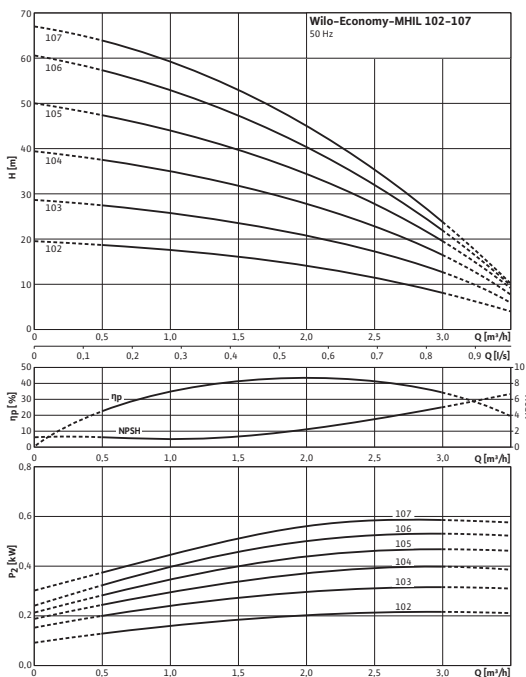
Data sheet: Wilo-Economy MHIL 105 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 105	
Art no.	4083888	
Weight approx.	<i>m</i>	13.5 kg

• = available, = not available

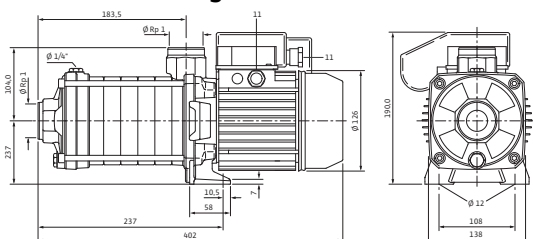
Data sheet: Wilo-Economy MHIL 106 (1~230 V)

Pump curves

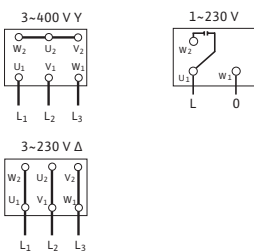


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

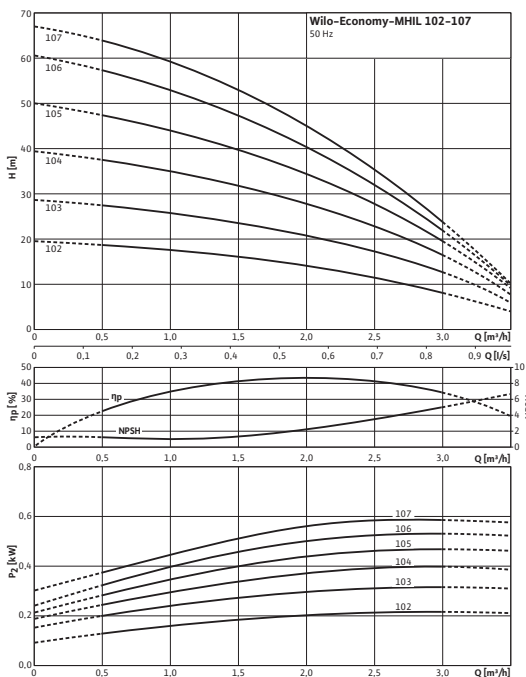
Data sheet: Wilo-Economy MHIL 106 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 106	
Art no.	4083890	
Weight approx.	<i>m</i>	13.9 kg

• = available, = not available

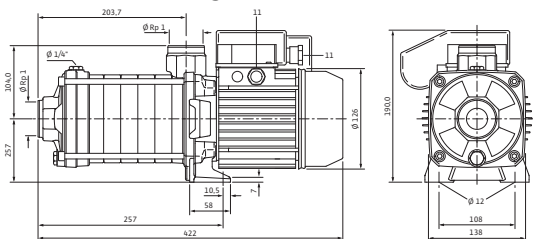
Data sheet: Wilo-Economy MHIL 107 (1~230 V)

Pump curves

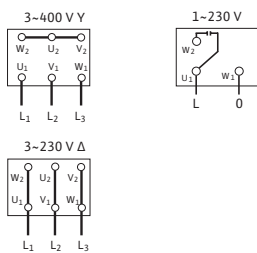


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

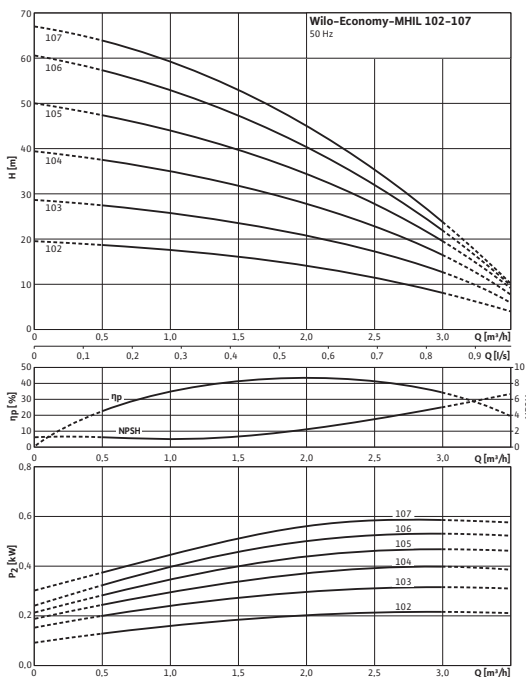
Data sheet: Wilo-Economy MHIL 107 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 107	
Art no.	4083893	
Weight approx.	<i>m</i>	14.2 kg

• = available, = not available

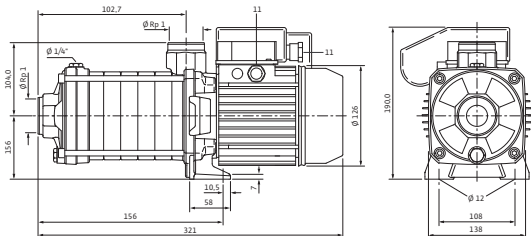
Data sheet: Wilo-Economy MHIL 102 (3~400 V)

Pump curves

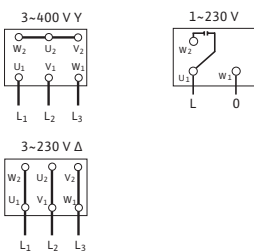


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	P ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	I _N	2.70 A
Nominal current 3~400 V, 50 Hz	I _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

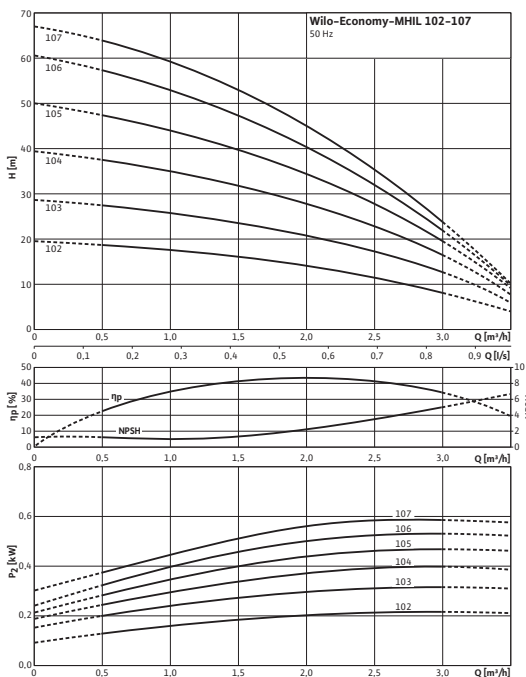
Data sheet: Wilo-Economy MHIL 102 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 102	
Art no.	4083882	
Weight approx.	<i>m</i>	12.4 kg

• = available, = not available

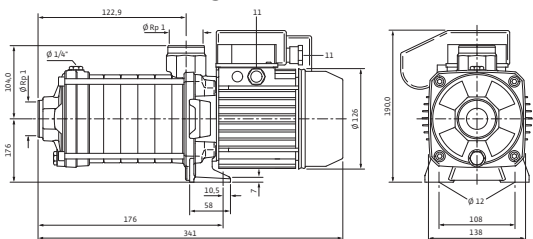
Data sheet: Wilo-Economy MHIL 103 (3~400 V)

Pump curves

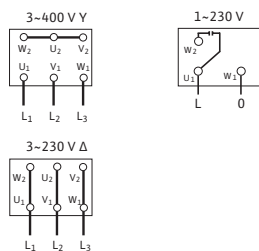


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

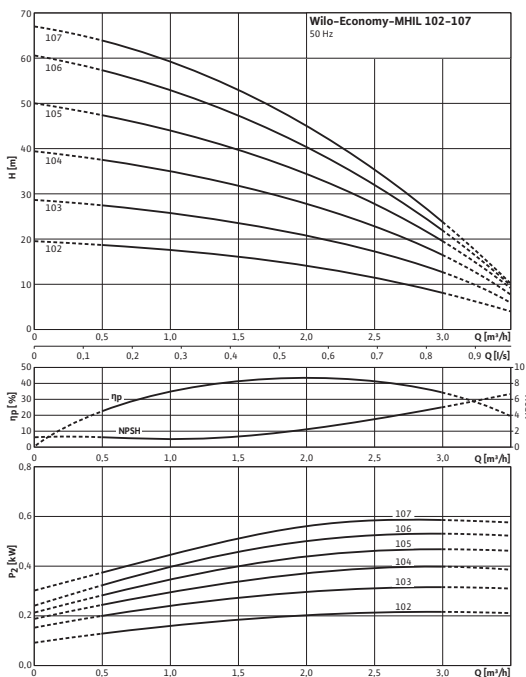
Data sheet: Wilo-Economy MHIL 103 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 103	
Art no.	4083884	
Weight approx.	<i>m</i>	12.7 kg

• = available, = not available

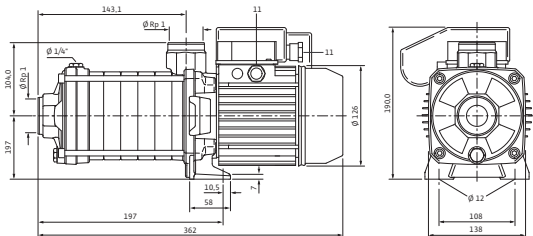
Data sheet: Wilo-Economy MHIL 104 (3~400 V)

Pump curves

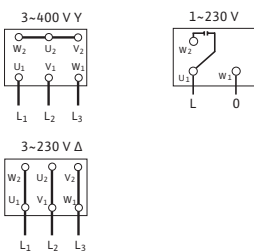


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

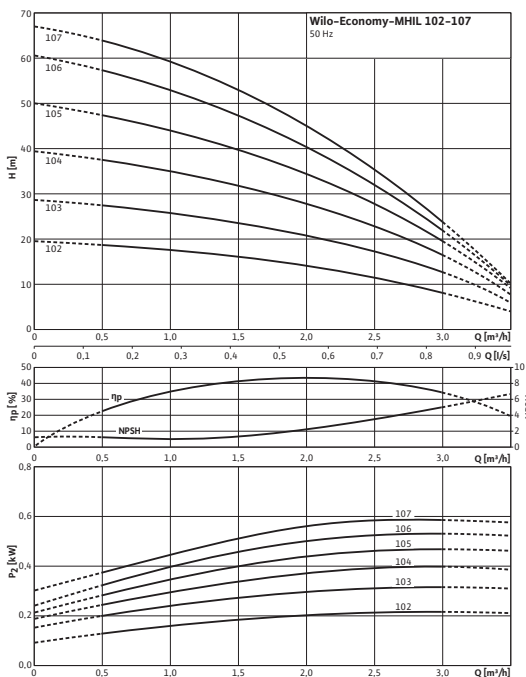
Data sheet: Wilo-Economy MHIL 104 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 104	
Art no.	4083886	
Weight approx.	<i>m</i>	13.1 kg

• = available, = not available

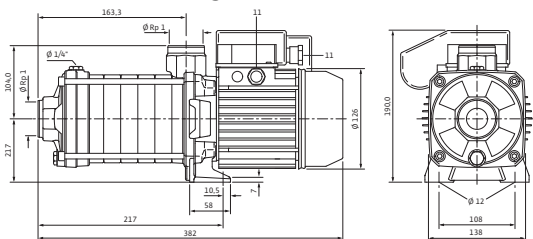
Data sheet: Wilo-Economy MHIL 105 (3~400 V)

Pump curves

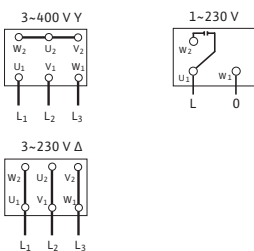


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	P ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	I _N	2.70 A
Nominal current 3~400 V, 50 Hz	I _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

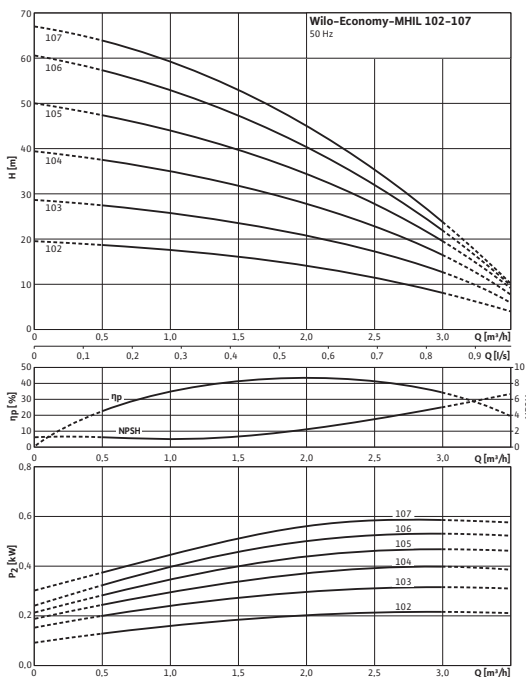
Data sheet: Wilo-Economy MHIL 105 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 105	
Art no.	4083889	
Weight approx.	<i>m</i>	13.4 kg

• = available, = not available

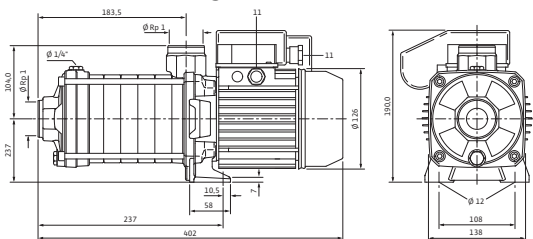
Data sheet: Wilo-Economy MHIL 106 (3~400 V)

Pump curves

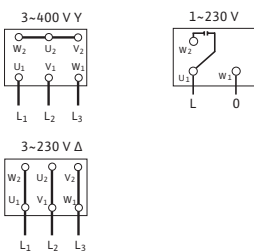


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

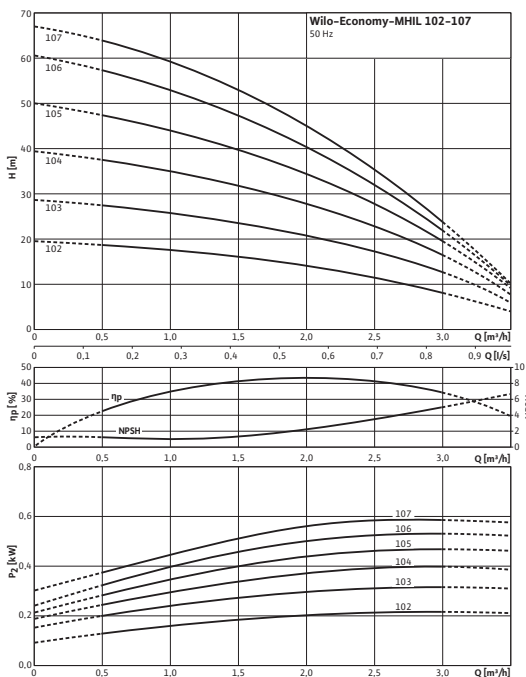
Data sheet: Wilo-Economy MHIL 106 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 106	
Art no.	4083891	
Weight approx.	<i>m</i>	13.7 kg

• = available, = not available

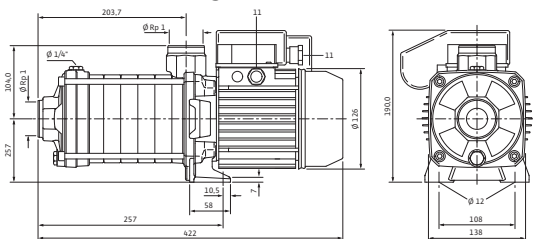
Data sheet: Wilo-Economy MHIL 107 (3~400 V)

Pump curves

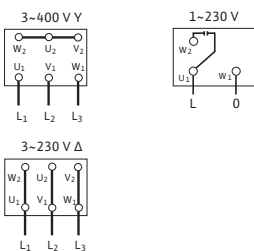


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

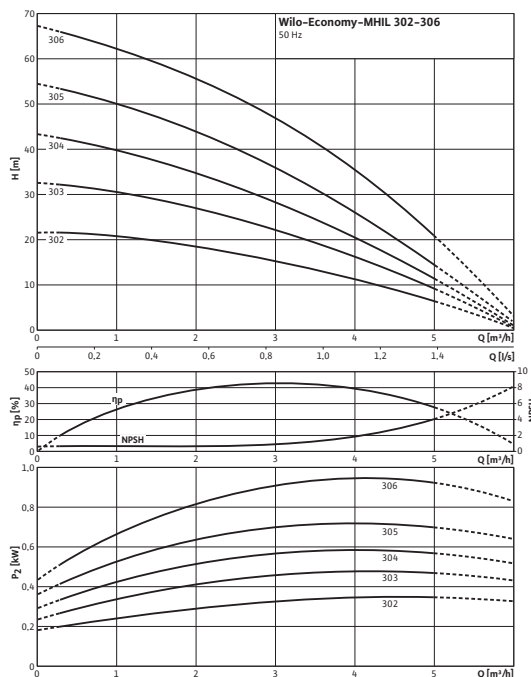
Data sheet: Wilo-Economy MHIL 107 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 107	
Art no.	4083892	
Weight approx.	<i>m</i>	14 kg

• = available, = not available

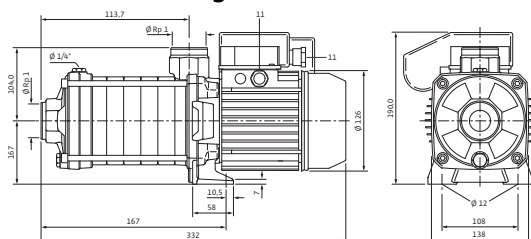
Data sheet: Wilo-Economy MHIL 302 (1~230 V)

Pump curves

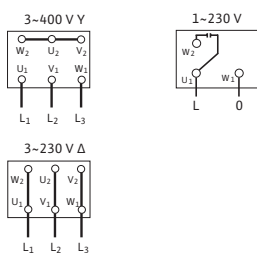


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

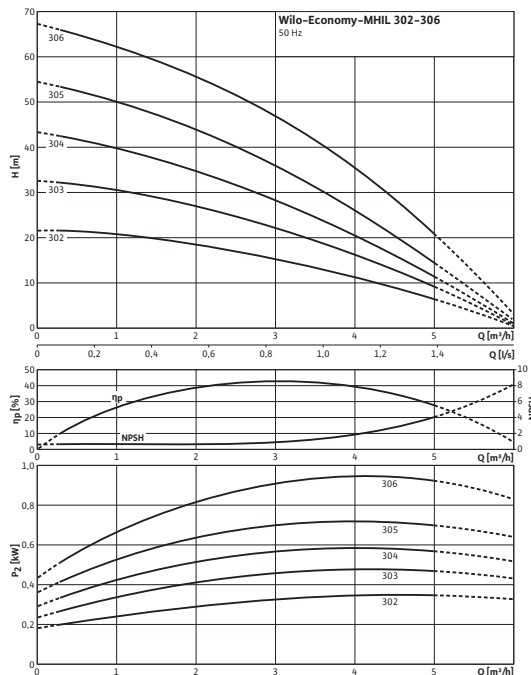
Data sheet: Wilo-Economy MHIL 302 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 302	
Art no.	4083894	
Weight approx.	<i>m</i>	12.9 kg

• = available, = not available

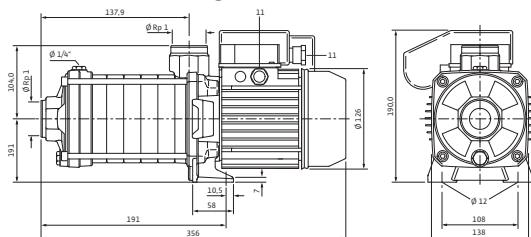
Data sheet: Wilo-Economy MHIL 303 (1~230 V)

Pump curves

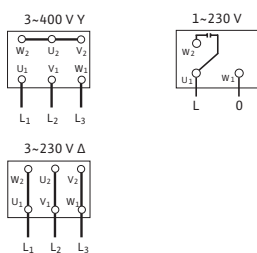


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

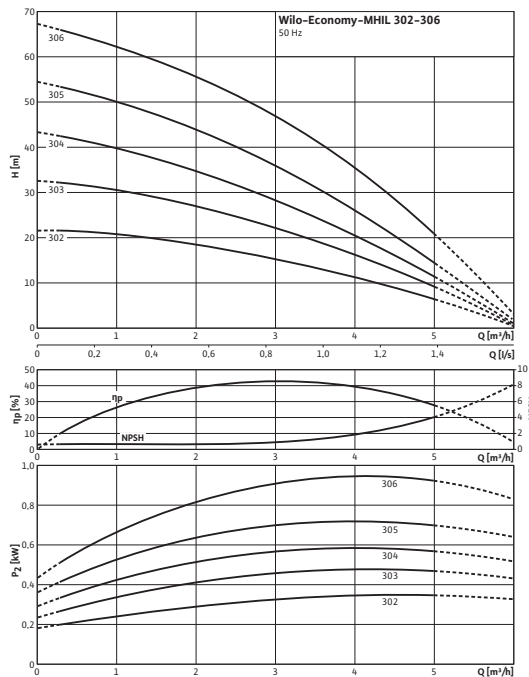
Data sheet: Wilo-Economy MHIL 303 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 303	
Art no.	4083896	
Weight approx.	<i>m</i>	13.1 kg

• = available, = not available

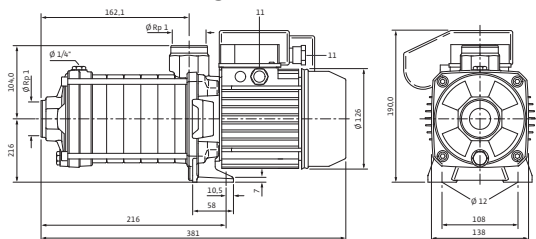
Data sheet: Wilo-Economy MHIL 304 (1~230 V)

Pump curves

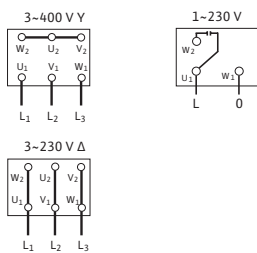


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

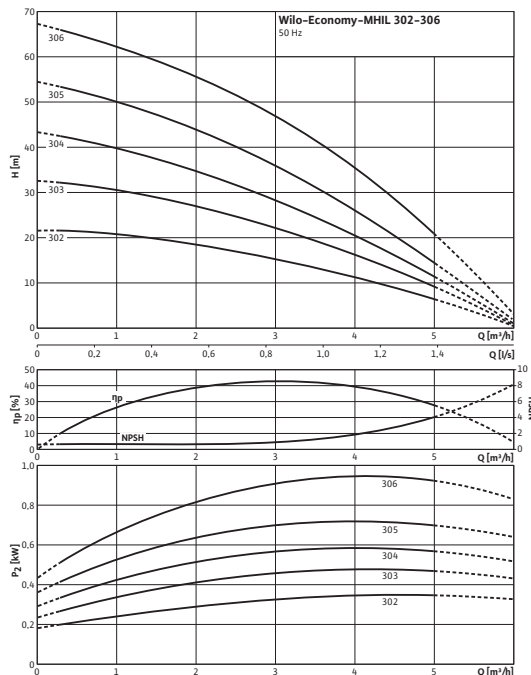
Data sheet: Wilo-Economy MHIL 304 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 304	
Art no.	4083898	
Weight approx.	<i>m</i>	13.4 kg

• = available, = not available

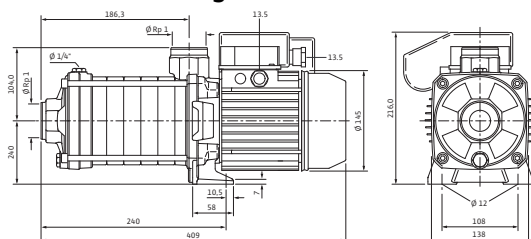
Data sheet: Wilo-Economy MHIL 305 (1~230 V)

Pump curves

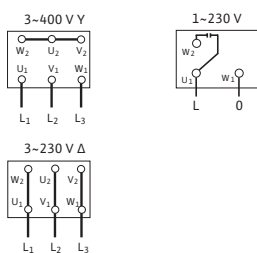


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.75 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	5.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

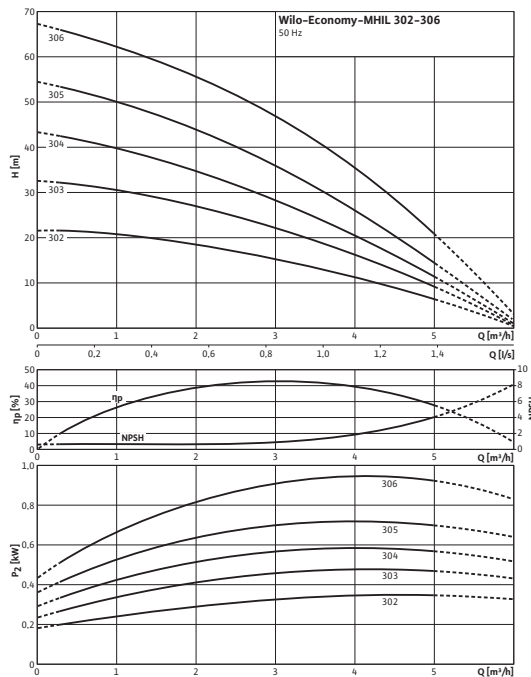
Data sheet: Wilo-Economy MHIL 305 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 305	
Art no.	4083901	
Weight approx.	<i>m</i>	15 kg

• = available, = not available

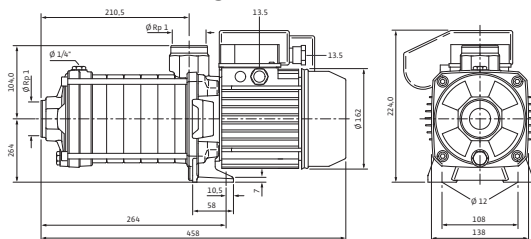
Data sheet: Wilo-Economy MHIL 306 (1~230 V)

Pump curves

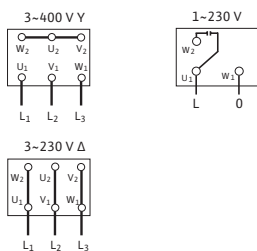


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	1.10 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	7.20 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

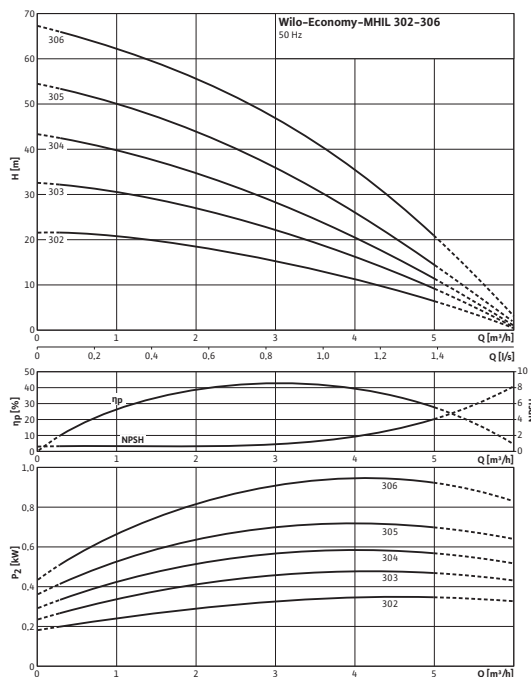
Data sheet: Wilo-Economy MHIL 306 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 306	
Art no.	4083902	
Weight approx.	<i>m</i>	17.7 kg

• = available, = not available

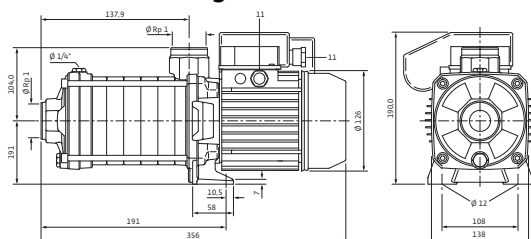
Data sheet: Wilo-Economy MHIL 303 (3~400 V)

Pump curves

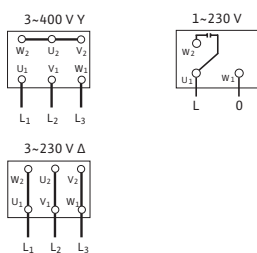


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–

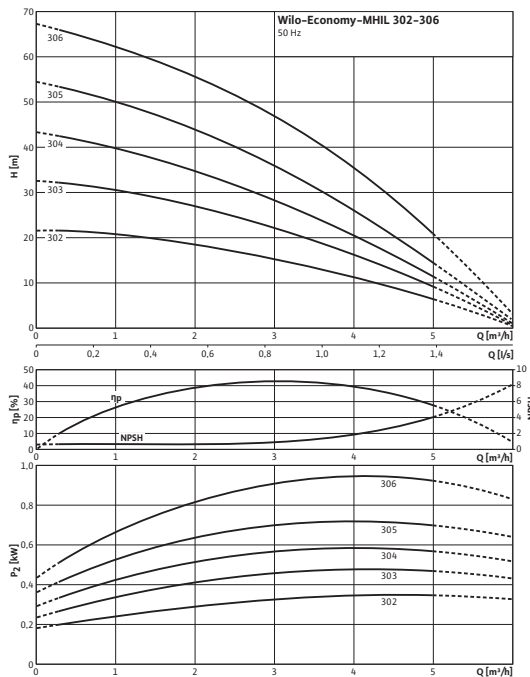
Data sheet: Wilo-Economy MHIL 303 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 303	
Art no.	4083897	
Weight approx.	<i>m</i>	13 kg

• = available, = not available

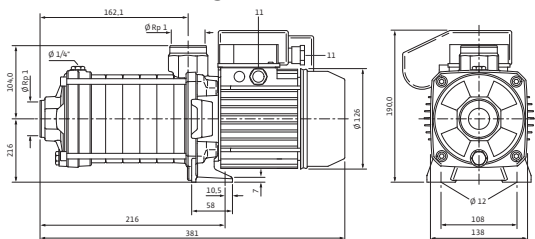
Data sheet: Wilo-Economy MHIL 304 (3~400 V)

Pump curves

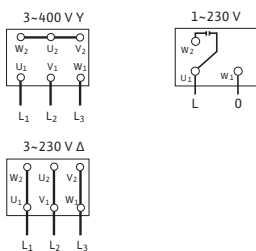


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

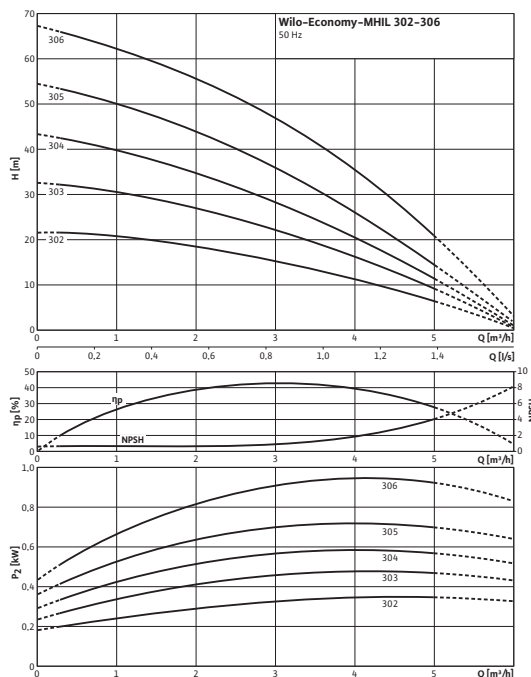
Data sheet: Wilo-Economy MHIL 304 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 304	
Art no.	4083899	
Weight approx.	<i>m</i>	13.2 kg

• = available, = not available

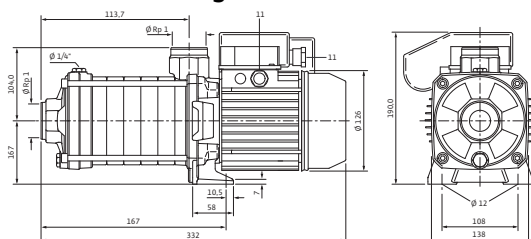
Data sheet: Wilo-Economy MHIL 302 (3~400 V)

Pump curves

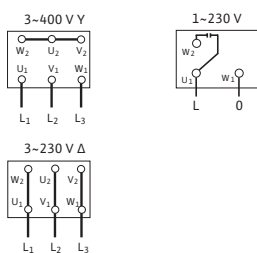


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	<i>P</i> ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	<i>I</i> _N	2.70 A
Nominal current 3~400 V, 50 Hz	<i>I</i> _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

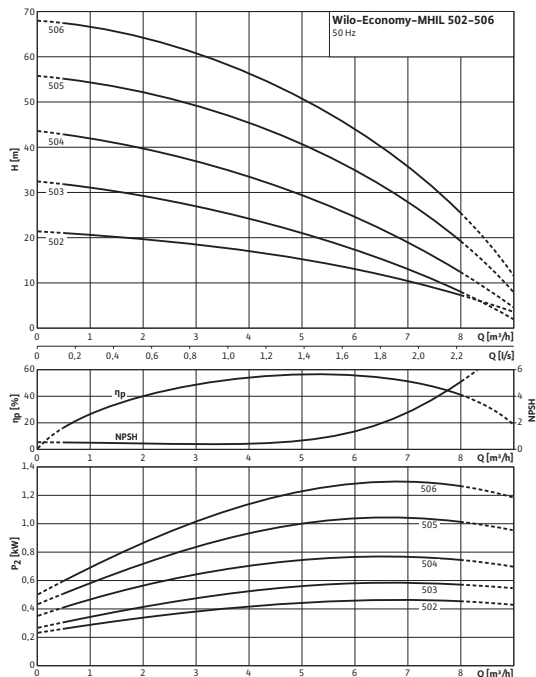
Data sheet: Wilo-Economy MHIL 302 (3~400 V)

Static seal	EPDM
Mechanical seal	BQ1E3GG
Information for order placements	
Make	Wilo
Type	MHIL 302
Art no.	4083895
Weight approx.	<i>m</i> 12.7 kg

• = available, = not available

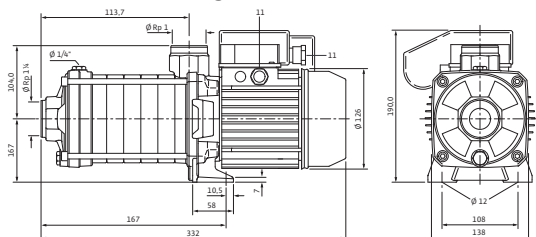
Data sheet: Wilo-Economy MHIL 502 (1~230 V)

Pump curves

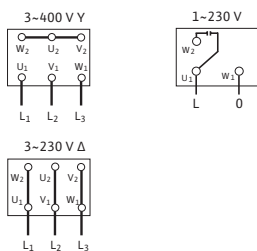


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

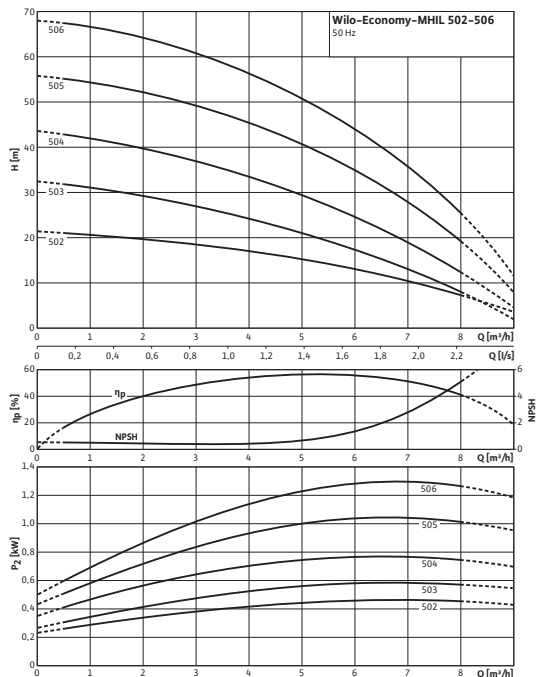
Data sheet: Wilo-Economy MHIL 502 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 502	
Art no.	4083904	
Weight approx.	<i>m</i>	12.9 kg

• = available, = not available

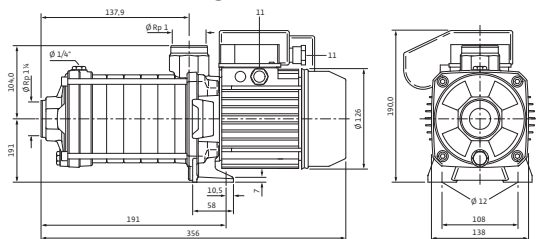
Data sheet: Wilo-Economy MHIL 503 (1~230 V)

Pump curves

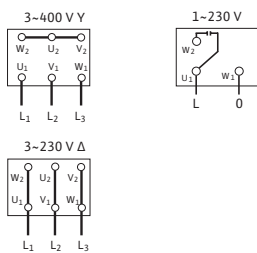


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.55 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	4.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

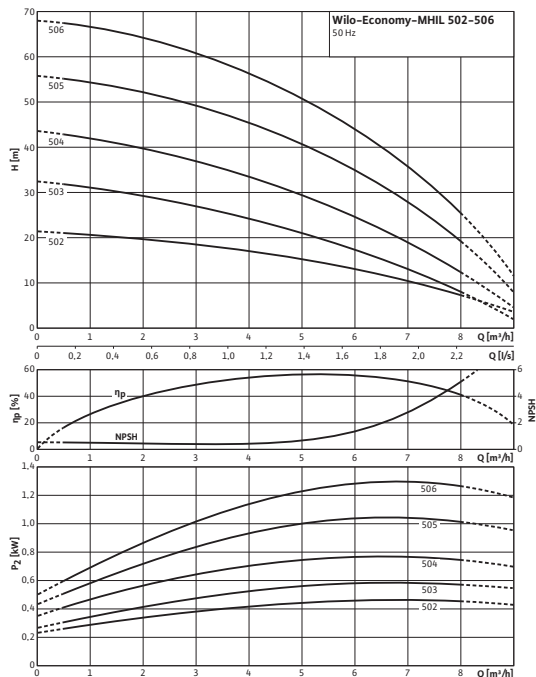
Data sheet: Wilo-Economy MHIL 503 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 503	
Art no.	4083906	
Weight approx.	<i>m</i>	13.2 kg

• = available, = not available

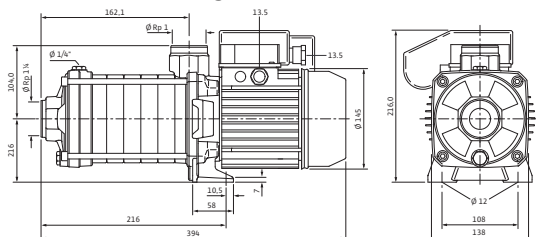
Data sheet: Wilo-Economy MHIL 504 (1~230 V)

Pump curves

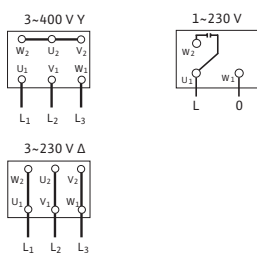


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	<i>T</i>	-15...+90 °C
Max. ambient temperature	<i>T</i>	40 °C
Rated pressure		PN bar
Max. inlet pressure	<i>H</i>	6 bar
Nominal speed	<i>n</i>	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	<i>P</i> ₂	0.75 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	<i>I</i> _N	5.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

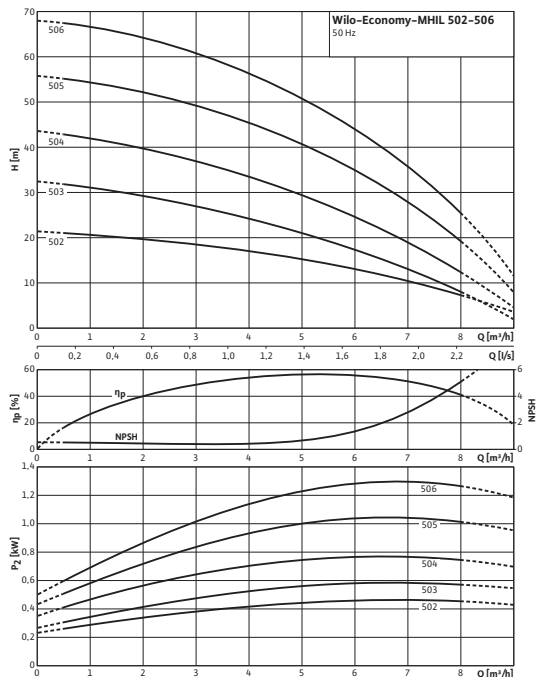
Data sheet: Wilo-Economy MHIL 504 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 504	
Art no.	4083908	
Weight approx.	<i>m</i>	14.8 kg

• = available, = not available

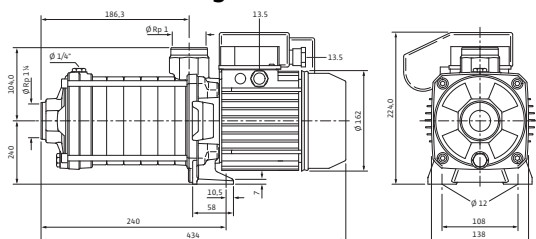
Data sheet: Wilo-Economy MHIL 505 (1~230 V)

Pump curves

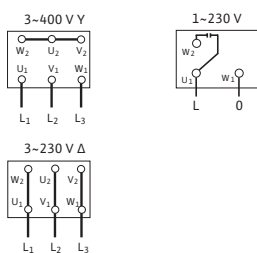


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	1.10 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	7.20 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

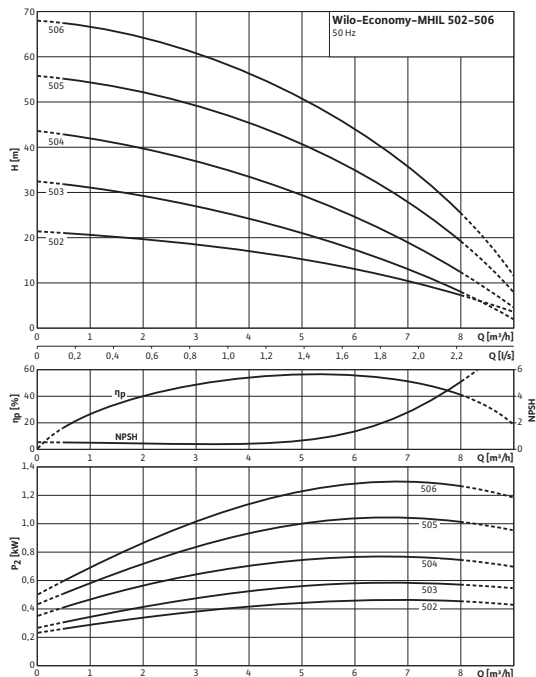
Data sheet: Wilo-Economy MHIL 505 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 505	
Art no.	4083910	
Weight approx.	<i>m</i>	17.5 kg

• = available, = not available

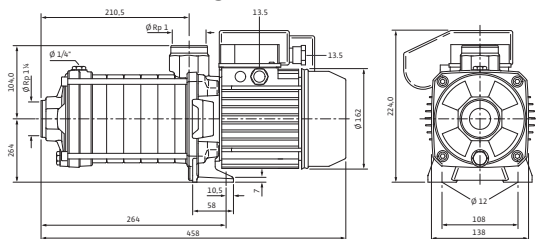
Data sheet: Wilo-Economy MHIL 506 (1~230 V)

Pump curves

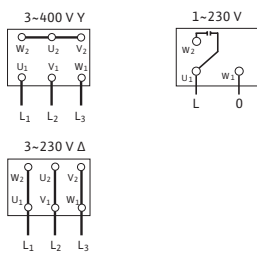


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	1.50 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	9.20 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

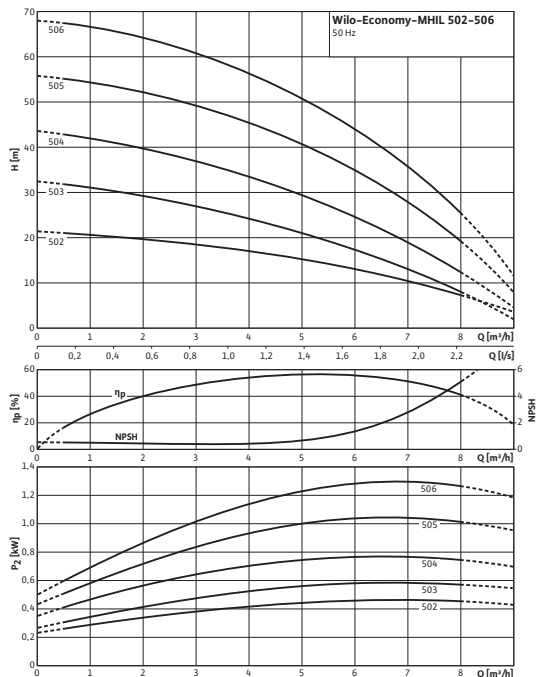
Data sheet: Wilo-Economy MHIL 506 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 506	
Art no.	4083913	
Weight approx.	<i>m</i>	19.4 kg

• = available, = not available

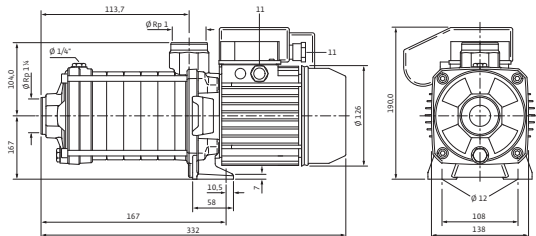
Data sheet: Wilo-Economy MHIL 502 (3~400 V)

Pump curves

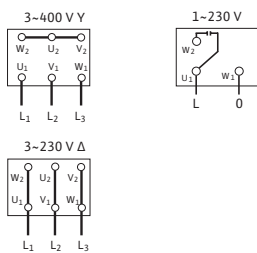


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	P ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	I _N	2.70 A
Nominal current 3~400 V, 50 Hz	I _N	1.56 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–

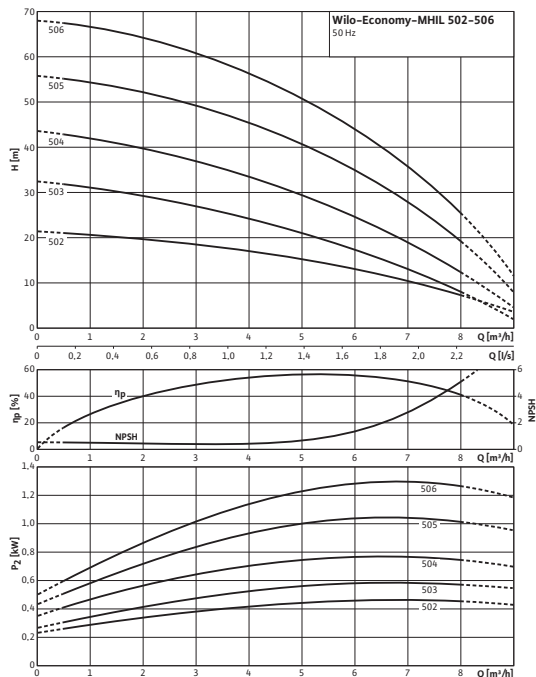
Data sheet: Wilo-Economy MHIL 502 (3~400 V)

Static seal	EPDM	
Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 502	
Art no.	4083905	
Weight approx.	<i>m</i>	12.7 kg

• = available, = not available

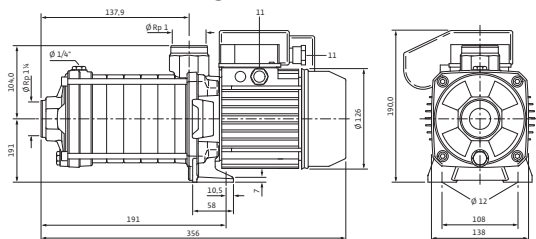
Data sheet: Wilo-Economy MHIL 503 (3~400 V)

Pump curves

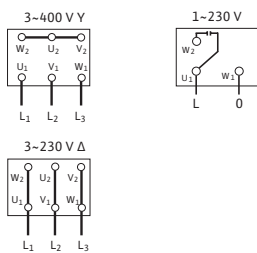


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	P ₂	0.55 kW
Mains connection		3~400 V, 50 Hz
Nominal current 3~230 V, 50 Hz	I _N	2.70 A
Nominal current 3~400 V, 50 Hz	I _N	1.56 A

Materials

Impeller	1.4301
Stage chambers	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4028
Housing cover	EN-GJL-250 (cataphoretic-coated)
Lower housing section	EN-GJL-250 (cataphoretic-coated)
Pressure shroud	–
Bearing	Tungsten carbide
Pump base	EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)	–

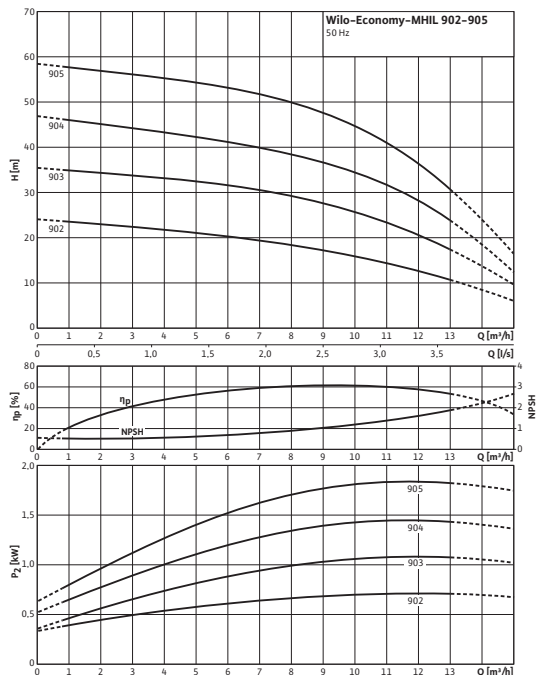
Data sheet: Wilo-Economy MHIL 503 (3~400 V)

Static seal	EPDM
Mechanical seal	BQ1E3GG
Information for order placements	
Make	Wilo
Type	MHIL 503
Art no.	4083907
Weight approx.	<i>m</i> 13 kg

• = available, = not available

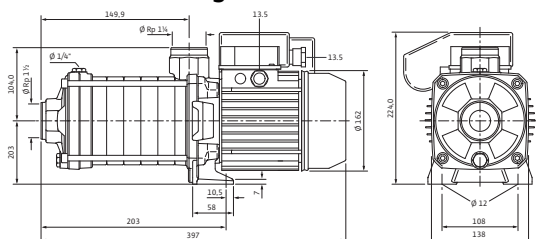
Data sheet: Wilo-Economy MHIL 903 (1~230 V)

Pump curves

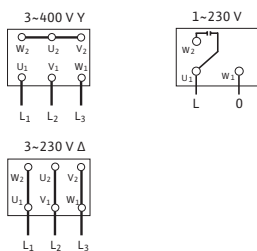


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	1.10 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	7.20 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

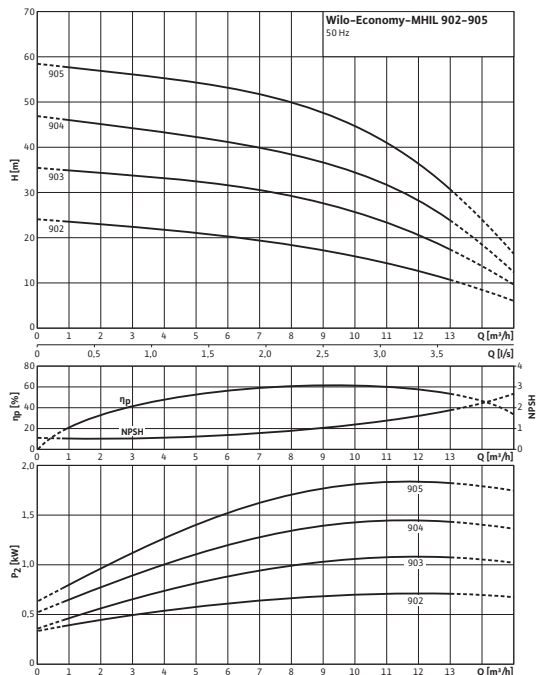
Data sheet: Wilo-Economy MHIL 903 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 903	
Art no.	4083916	
Weight approx.	<i>m</i>	17 kg

• = available, = not available

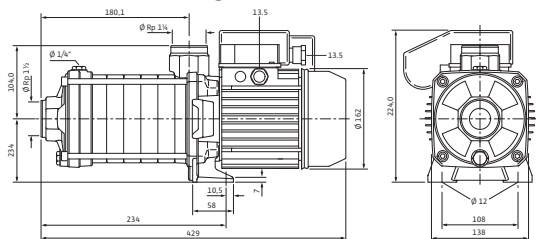
Data sheet: Wilo-Economy MHIL 904 (1~230 V)

Pump curves

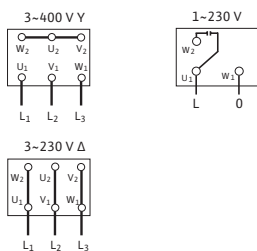


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	1.50 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	9.20 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

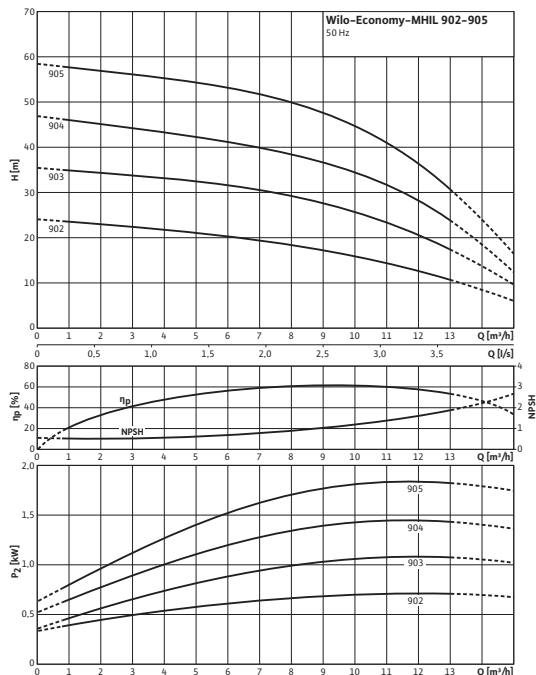
Data sheet: Wilo-Economy MHIL 904 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 904	
Art no.	4083918	
Weight approx.	<i>m</i>	18.8 kg

• = available, = not available

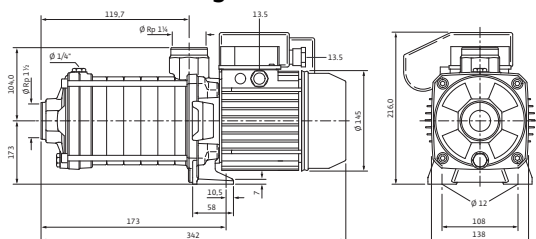
Data sheet: Wilo-Economy MHIL 902 (1~230 V)

Pump curves

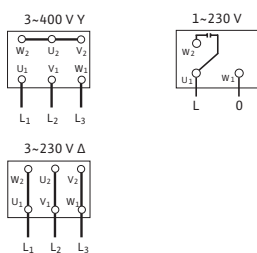


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP X4
Nominal motor power	P ₂	0.75 kW
Mains connection		1~230 V, 50 Hz
Nominal current 1~230 V, 50 Hz	I _N	5.10 A

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM

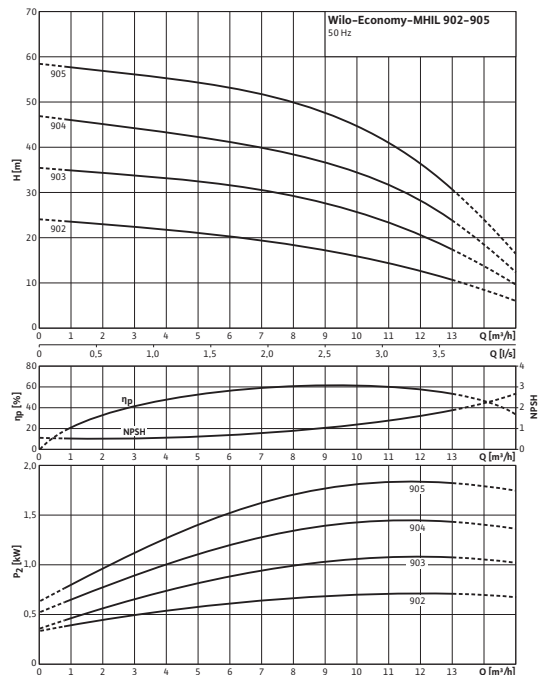
Data sheet: Wilo-Economy MHIL 902 (1~230 V)

Mechanical seal	BQ1E3GG	
Information for order placements		
Make	Wilo	
Type	MHIL 902	
Art no.	4083914	
Weight approx.	<i>m</i>	14.2 kg

• = available, = not available

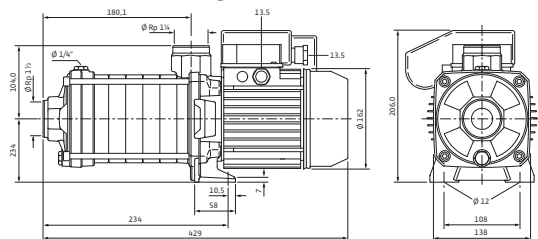
Data sheet: Wilo-Economy MHIL 904 (3~400 V)

Pump curves

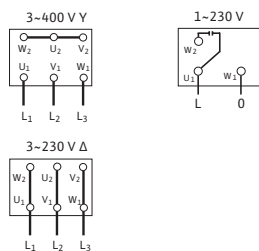


Pump curves in accordance with ISO 9906, class 2

Dimension drawing



Electrical connection



Approved fluids

Potable water, heating water, process water	•
Condensate	–
Water/glycol mixtures (max. 40 %; with admixtures exceeding 10 %, the pumping data must be checked)	•
Other low viscous fluids (without abrasive or long-fibre constituents, provided they do not corrode the materials used)	•

Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure		PN bar
Max. inlet pressure	H	6 bar
Nominal speed	n	2900 rpm

Motor

Insulation class		F
Radio shielding degree		–
Protection class		IP 54
Nominal motor power	P ₂	1.50 kW
Mains connection		3~400 V, 50 Hz

Materials

Impeller		1.4301
Stage chambers		1.4301
Pump housing		EN-GJL-250 (cataphoretic-coated)
Pump shaft		1.4028
Housing cover		EN-GJL-250 (cataphoretic-coated)
Lower housing section		EN-GJL-250 (cataphoretic-coated)
Pressure shroud		–
Bearing		Tungsten carbide
Pump base		EN-GJL-250 (cataphoretic-coated)
Pump base (in contact with the fluid)		–
Static seal		EPDM
Mechanical seal		BQ1E3GG

Information for order placements

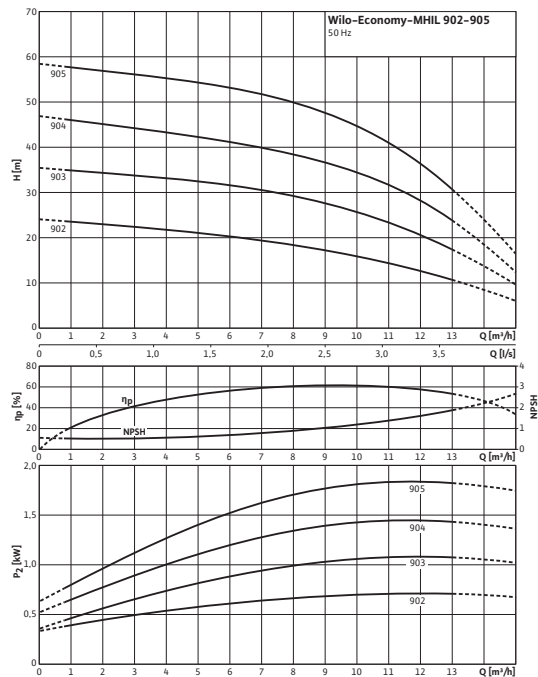
Data sheet: Wilo-Economy MHIL 904 (3~400 V)

Make	Wilo	
Type	MHIL 904	
Art no.	4083919	
Weight approx.	<i>m</i>	17.1 kg

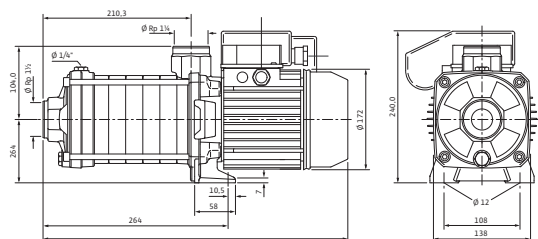
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Data sheet: Wilo-Economy MHIL 905 (3~400 V)

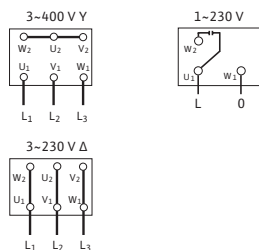
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	2.20 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	9 A
Nominal current 3~400 V, 50 Hz	I_N	5.20 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

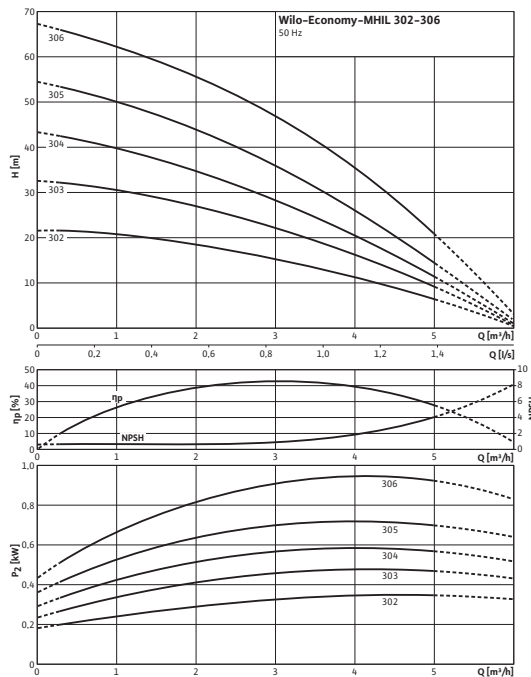
Information for order placements

Make	Wilo	
Type	MHIL 905	
Art no.	4158378	
Weight approx.	m	22.9 kg

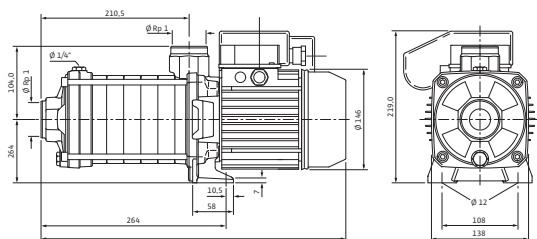
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Data sheet: Wilo-Economy MHIL 306 (3~400 V)

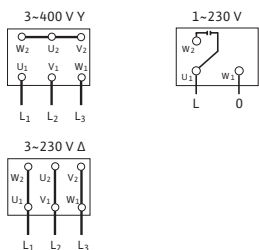
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P ₂	1.10 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I _N	4.80 A
Nominal current 3~400 V, 50 Hz	I _N	2.80 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

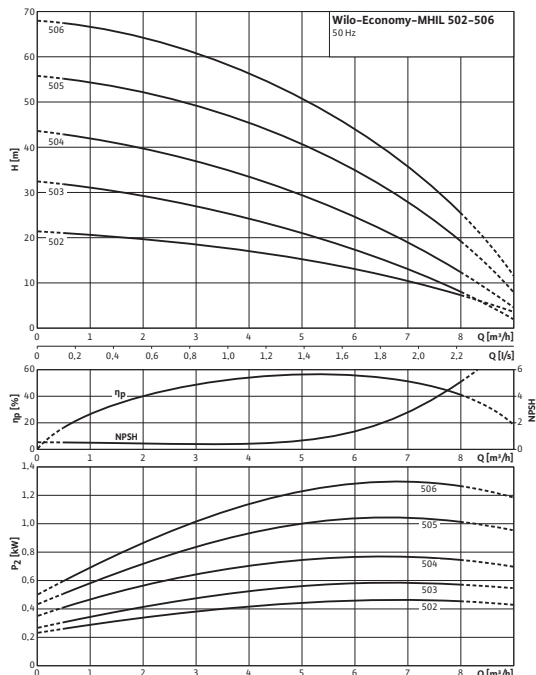
Information for order placements

Make	Wilo	
Type	MHIL 306	
Art no.	4158380	
Weight approx.	m	15.4 kg

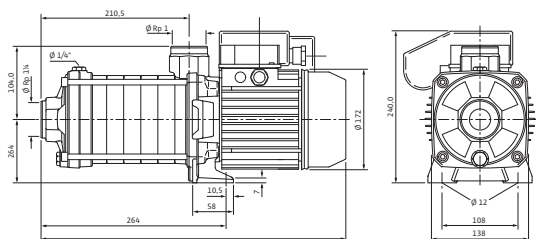
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Data sheet: Wilo-Economy MHIL 506 (3~400 V)

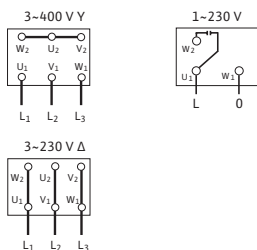
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	1.50 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	6.40 A
Nominal current 3~400 V, 50 Hz	I_N	3.70 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

Information for order placements

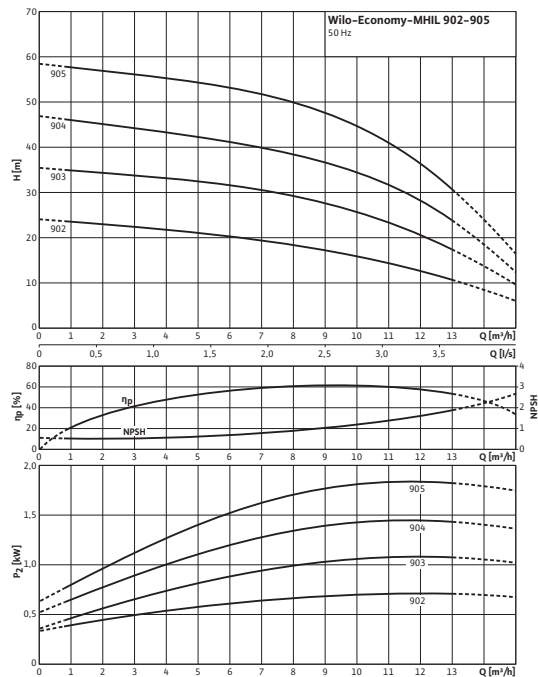
Make	Wilo	
Type	MHIL 506	
Art no.	4158392	
Weight approx.	m	20.9 kg

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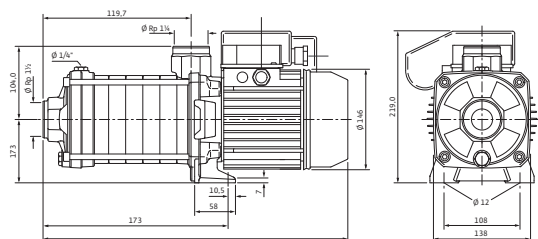
01622 882400 /
info@atacsolutions.com

Data sheet: Wilo-Economy MHIL 902 (3~400 V)

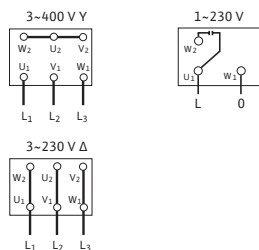
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	0.75 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	3.30 A
Nominal current 3~400 V, 50 Hz	I_N	1.91 A

Materials

Impeller	1.4301
Pump housing	EN-GJL-250 (cataphoretic-coated)
Pump shaft	1.4301
Static seal	EPDM
Mechanical seal	BQ1E3GG

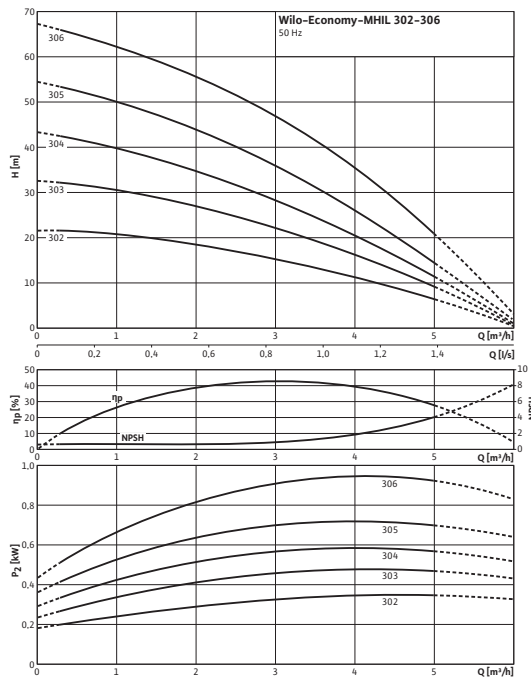
Information for order placements

Make	Wilo	
Type	MHIL 902	
Art no.	4158396	
Weight approx.	m	16.7 kg

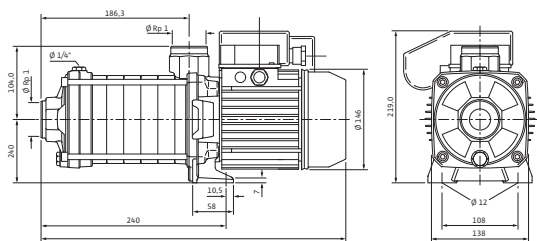
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Data sheet: Wilo-Economy MHIL 305 (3~400 V)

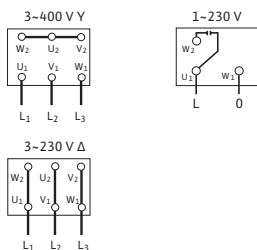
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P ₂	0.75 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I _N	3.30 A
Nominal current 3~400 V, 50 Hz	I _N	1.91 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

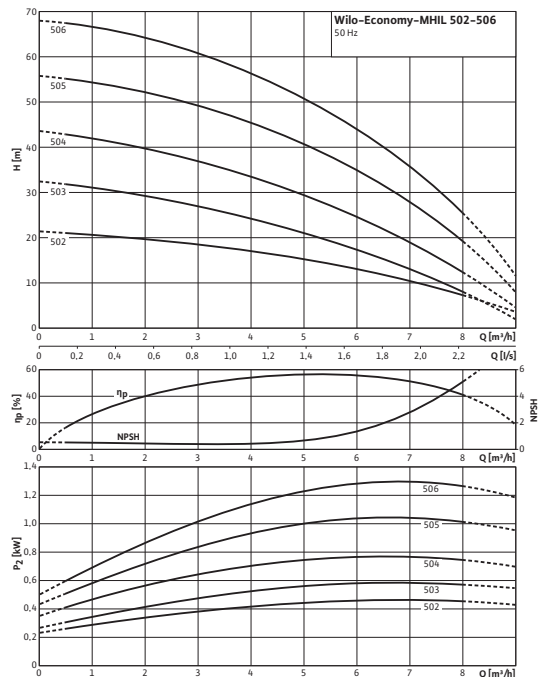
Information for order placements

Make	Wilo	
Type	MHIL 305	
Art no.	4158403	
Weight approx.	m	17.5 kg

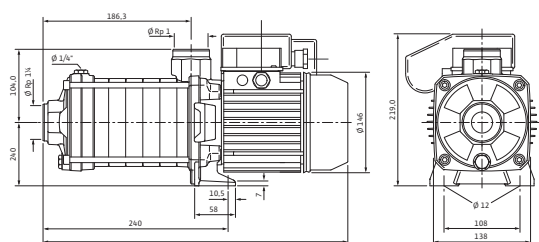
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Data sheet: Wilo-Economy MHIL 505 (3~400 V)

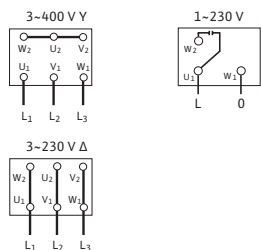
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	1.10 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	4.80 A
Nominal current 3~400 V, 50 Hz	I_N	2.80 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

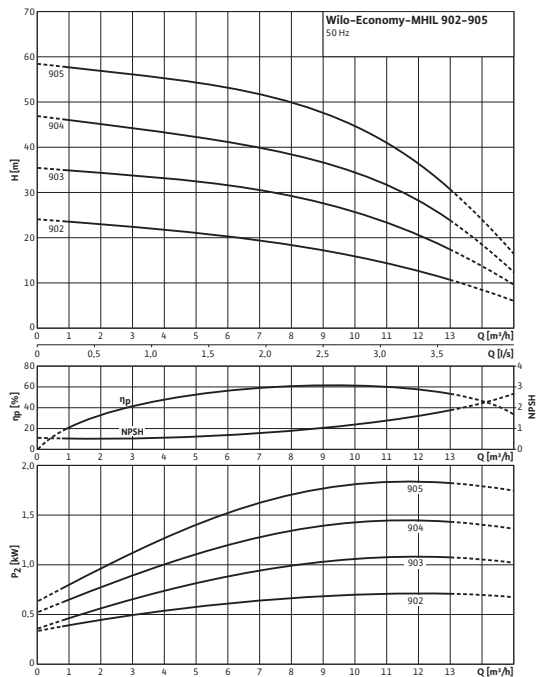
Information for order placements

Make	Wilo	
Type	MHIL 505	
Art no.	4158411	
Weight approx.	m	15.2 kg

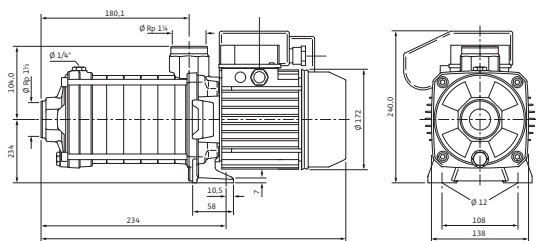
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Data sheet: Wilo-Economy MHIL 904 (3~400 V)

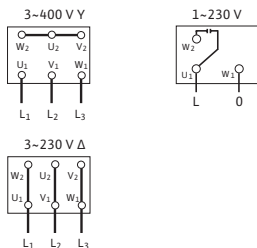
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	1.50 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	6.40 A
Nominal current 3~400 V, 50 Hz	I_N	3.70 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

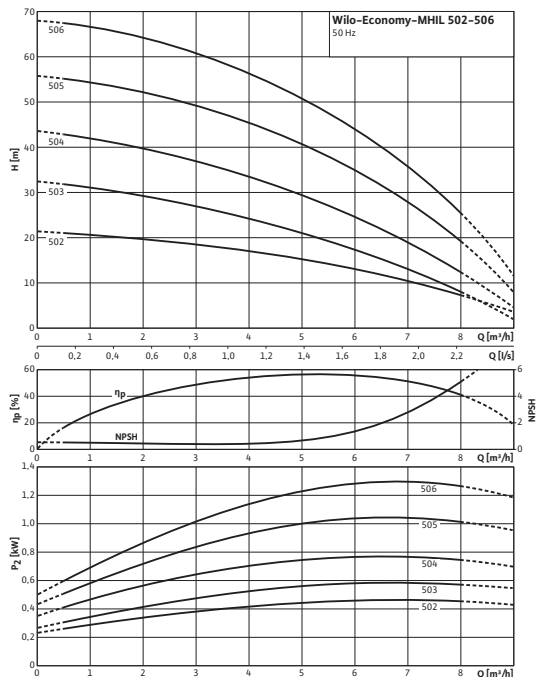
Information for order placements

Make	Wilo	
Type	MHIL 904	
Art no.	4158423	
Weight approx.	m	20.4 kg

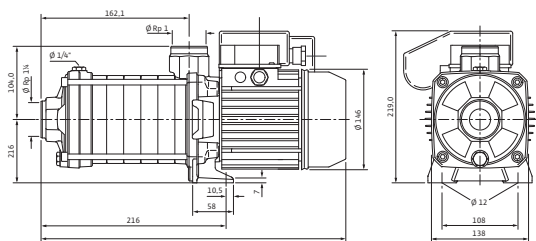
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Data sheet: Wilo-Economy MHIL 504 (3~400 V)

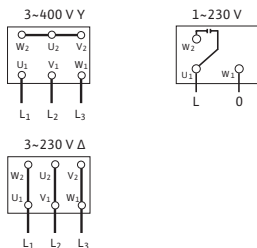
Pump curves



Pump curves in accordance with ISO 9906, class 2



Electrical connection



Power

Fluid temperature	T	-15...+90 °C
Max. ambient temperature	T	40 °C
Rated pressure	PN bar	

Motor

Insulation class	F	
Protection class	IP 54	
Nominal motor power	P_2	0.75 kW
Mains connection	3~400 V, 50 Hz	
Nominal current 3~230 V, 50 Hz	I_N	3.30 A
Nominal current 3~400 V, 50 Hz	I_N	1.91 A

Materials

Impeller	1.4301	
Pump housing	EN-GJL-250 (cataphoretic-coated)	
Pump shaft	1.4301	
Static seal	EPDM	
Mechanical seal	BQ1E3GG	

Information for order placements

Make	Wilo	
Type	MHIL 504	
Art no.	4158432	
Weight approx.	m	17.3 kg

• = available, = not available