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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.

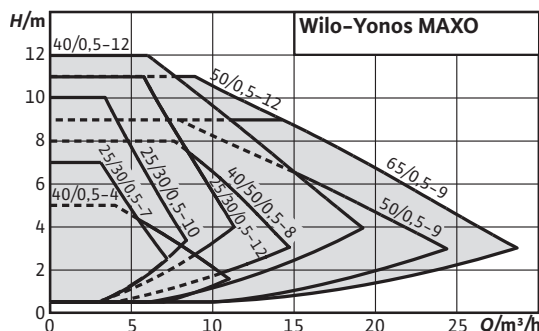
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 [atacsolutions.com](https://www.atacsolutions.com)
 01622 882400

Axiom Water companies

Series description: Wilo-Yonos MAXO



Design

Glandless circulation pump with threaded connection or flange connection, EC motor with automatic power adjustment.

Application

Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems.

Type key

Example:	Wilo-Yonos MAXO 30/0.5-12
Yonos MAXO	High-efficiency pump (screw-end or flange-end pump), electronically controlled
30/	Nominal connection diameter
0.5-12	Nominal delivery head range [m]

Special features/product advantages

- Maximum efficiency thanks to ECM technology
- LED display for showing delivery head setting
- Quick and convenient electrical connection with Wilo-Connector
- Collective fault signal on all types for assuring system availability
- Simple installation due to PN 6/PN 10 combination flanges (with DN 40 to DN 65)
- Can be used in cooling/air-conditioning systems without ambient temperature limits
- Pump housing with cataphoretic coating for preventing corrosion due to condensation formation

Equipment/function

- Operating modes**
- $\Delta p-c$ for constant differential pressure
 - $\Delta p-v$ for variable differential pressure
- Manual functions**
- Operating mode setting
 - Setting of pump output (delivery head)
- Automatic functions**
- Variable power adjustment depending on the operating mode
 - Deblocking function
 - Soft start
 - Integrated full motor protection
- Signal and display functions**
- Collective fault signal (potential-free NC contact)
 - Fault signal light
 - LED segment display for displaying the delivery head and fault codes
- Equipment**
- Wrench attachment point on pump body (for threaded pipe union pumps)
 - Quick electrical connection with Wilo-Connector. For the connection of the mains and SSM lines, with integrated strain relief
 - For flange-end pumps: Flange versions
 - Standard version for DN 40 to DN 65 pumps: PN 6/10 combination flange (PN 16 flange according to EN 1092-2) for PN 6 and PN 16 counter flanges

Scope of delivery

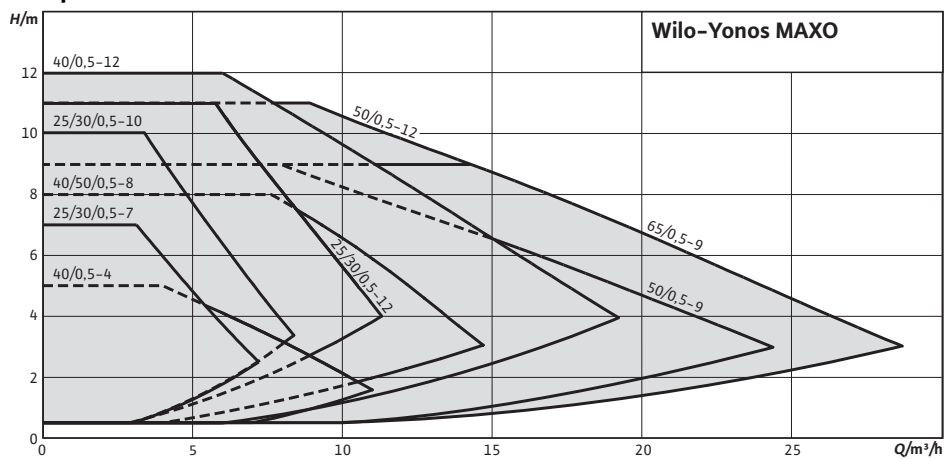
- Pump
- Including gaskets for threaded connection
- Incl. washers for flange screws (for nominal connection diameters DN 40 - DN 65)
- Including installation and operating instructions

Accessories

- Screwed connections for threaded connection
- Adapter fittings
- Thermal insulation

Duty chart: Wilo-Yonos MAXO

Pump curves

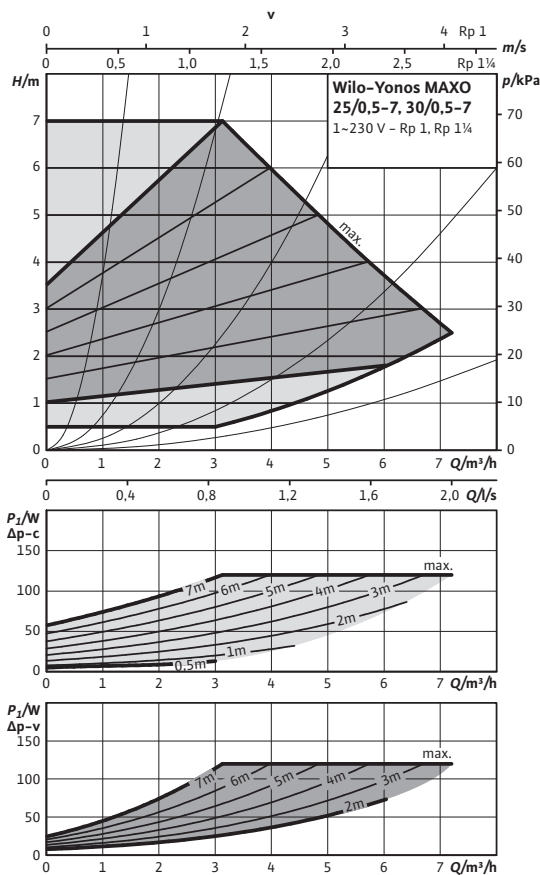


Product list: Wilo-Yonos MAXO

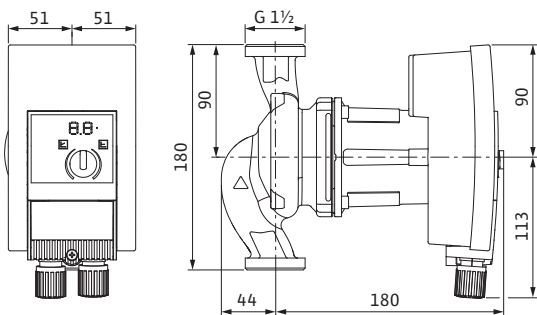
Type	Pipe connection	Nominal flange diameter	Rated pressure	Overall length	Mains connection	Gross weight	Art no.
			<i>PN / bar</i>	<i>l₀ / mm</i>		<i>m / kg</i>	
Yonos MAXO 25/0,5-7	Rp 1		10	180	1~230 V, 50/60 Hz	5.8	2120639
Yonos MAXO 25/0,5-10	Rp 1		10	180	1~230 V, 50/60 Hz	5.8	2120640
Yonos MAXO 25/0,5-12	Rp 1		10	180	1~230 V, 50/60 Hz	6.9	2120641
Yonos MAXO 30/0,5-7	Rp 1¼		10	180	1~230 V, 50/60 Hz	5.9	2120642
Yonos MAXO 30/0,5-10	Rp 1¼		10	180	1~230 V, 50/60 Hz	5.9	2120643
Yonos MAXO 30/0,5-12	Rp 1¼		10	180	1~230 V, 50/60 Hz	7	2120644
Yonos MAXO 40/0,5-4		DN 40	6/10	220	1~230 V, 50/60 Hz	10.2	2120645
Yonos MAXO 40/0,5-8		DN 40	6/10	220	1~230 V, 50/60 Hz	10.8	2120646
Yonos MAXO 40/0,5-12		DN 40	6/10	250	1~230 V, 50/60 Hz	14.9	2120647
Yonos MAXO 50/0,5-8		DN 50	6/10	240	1~230 V, 50/60 Hz	12.1	2120649
Yonos MAXO 50/0,5-9		DN 50	6/10	280	1~230 V, 50/60 Hz	16.1	2120650
Yonos MAXO 50/0,5-12		DN 50	6/10	280	1~230 V, 50/60 Hz	16.1	2120651
Yonos MAXO 65/0,5-9		DN 65	6/10	280	1~230 V, 50/60 Hz	18	2120653

Data sheet: Wilo-Yonos MAXO 25/0,5-7

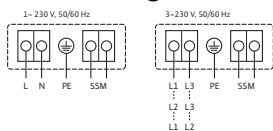
Pump curves



Dimension drawing



Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
SSM:
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1
Thread	G 1½
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEl)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 90 W
Speed	n 1000 - 3700 rpm
Power consumption	P_1 5 - 120 W
Current consumption	I 0.08 - 0.90 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 25/0,5-7

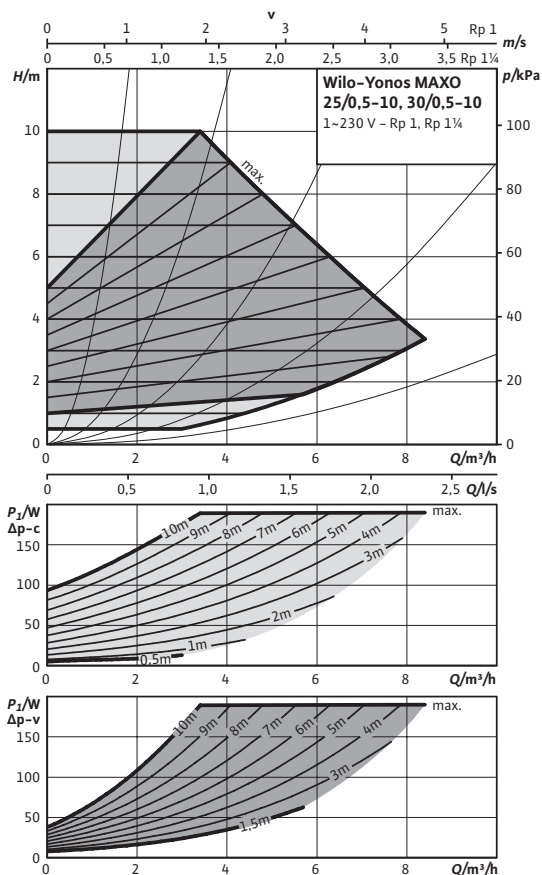


Information for order placements

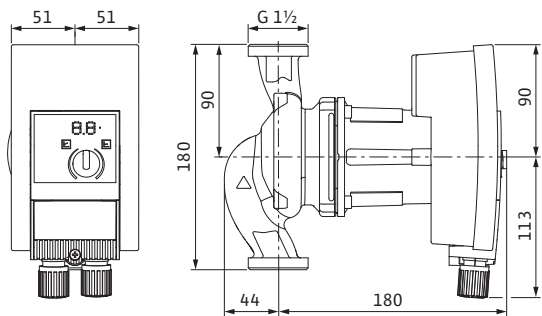
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Type	Yonos MAXO 25/0,5-7	
Art no.	2120639	
Weight approx.	<i>m</i>	4.50 kg

Data sheet: Wilo-Yonos MAXO 25/0,5-10

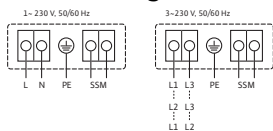
Pump curves



Dimension drawing



Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
SSM:
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1
Thread	G 1 1/2
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 140 W
Speed	n 1000 - 4400 rpm
Power consumption	P_1 5 - 190 W
Current consumption	I 0.08 - 1.30 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 25/0,5-10

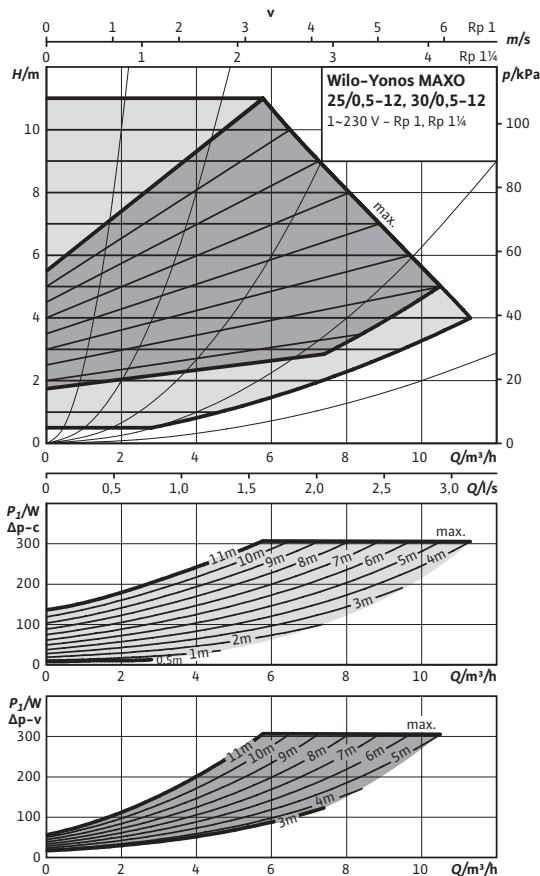


Information for order placements

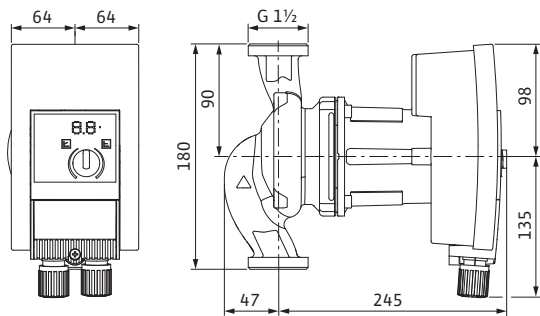
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Art no.	2120640	
Weight approx.	<i>m</i>	4.50 kg

Data sheet: Wilo-Yonos MAXO 25/0,5-12

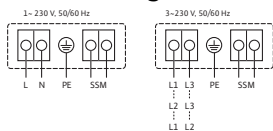
Pump curves



Dimension drawing



Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
SSM:
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1
Thread	G 1½
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEl)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 200 W
Speed	n 1000 - 4800 rpm
Power consumption	P_1 10 - 305 W
Current consumption	I 0.15 - 1.33 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 25/0,5-12



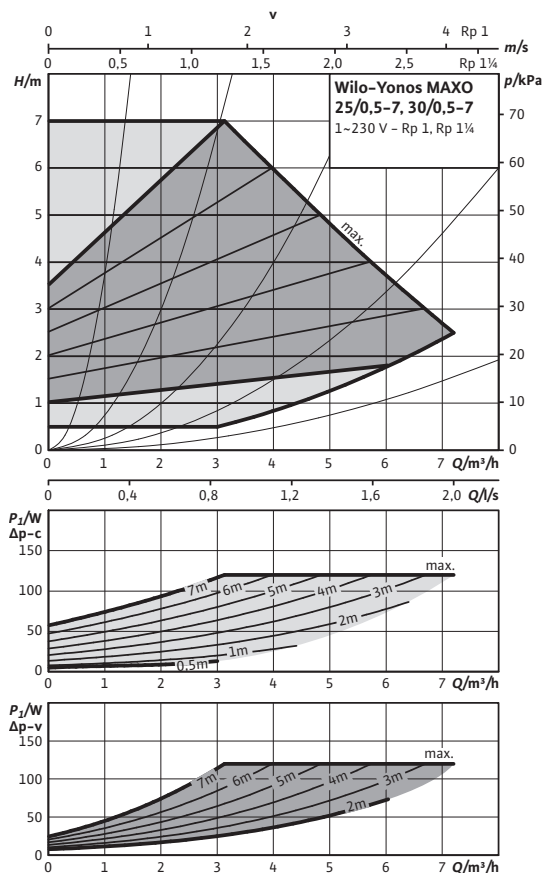
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FOR ENERGY
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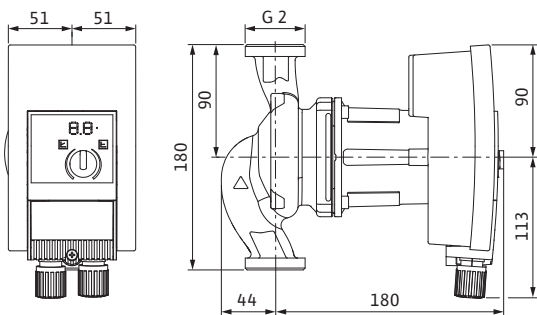
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Art no.	2120641	
Weight approx.	<i>m</i>	5.30 kg

Data sheet: Wilo-Yonos MAXO 30/0,5-7

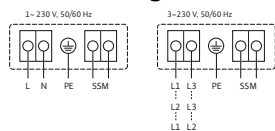
Pump curves



Dimension drawing



Terminal diagram



SSM: Collective fault signal (NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1¼
Thread	G 2
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEl)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 90 W
Speed	n 1000 - 3700 rpm
Power consumption	P_1 5 - 120 W
Current consumption	I 0.08 - 0.90 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 30/0,5-7

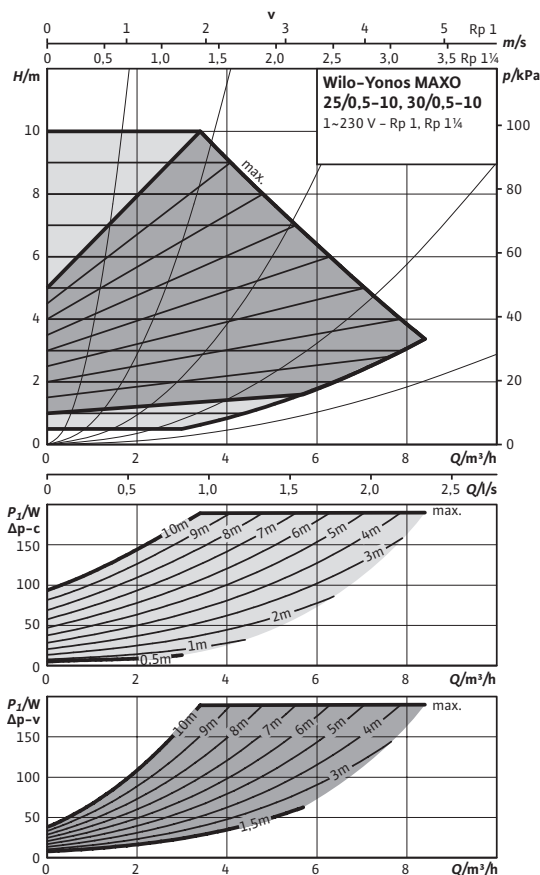


Information for order placements

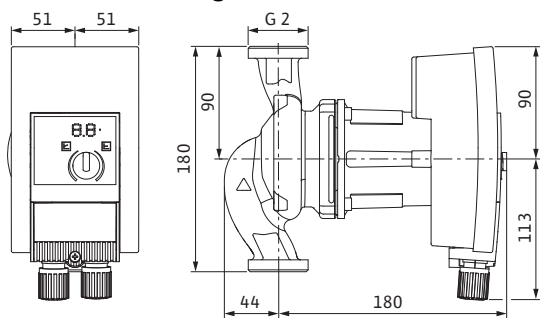
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Art no.	2120642	
Weight approx.	<i>m</i>	4.60 kg

Data sheet: Wilo-Yonos MAXO 30/0,5-10

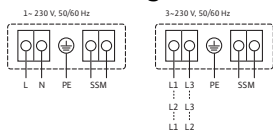
Pump curves



Dimension drawing



Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
SSM:
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1¼
Thread	G 2
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEl)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 140 W
Speed	n 1000 - 4400 rpm
Power consumption	P_1 5 - 190 W
Current consumption	I 0.08 - 1.30 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 30/0,5-10



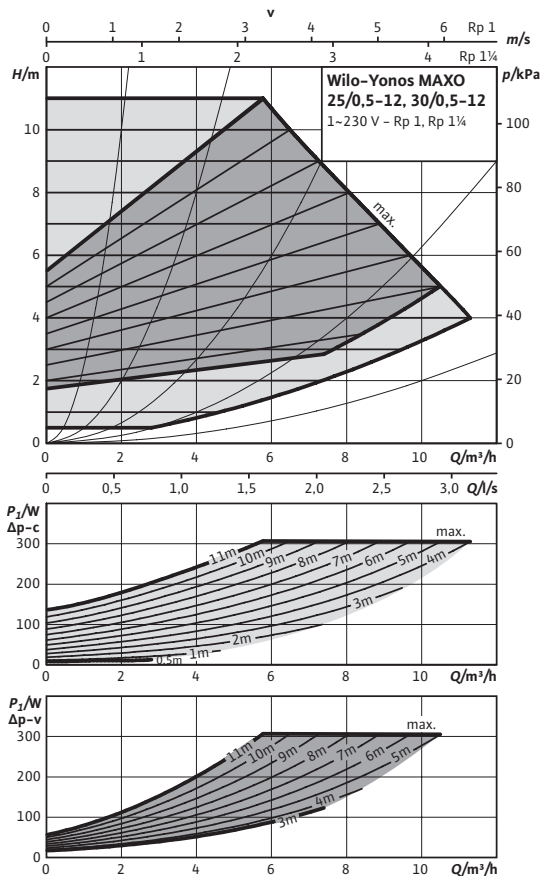
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Information for order placements

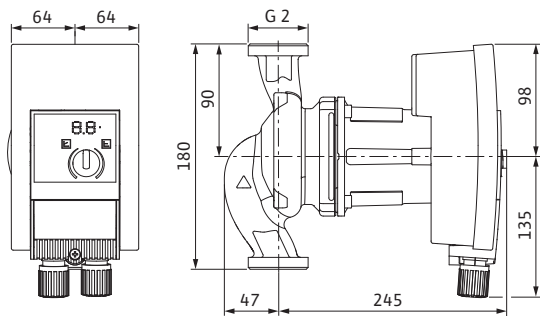
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Art no.	2120643	
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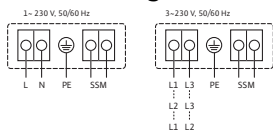
Pump curves



Dimension drawing



Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A, 250 V ~)
SSM:
For function, see Wilo catalogue, chapter "Pump management Wilo control, planning guide"

Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 10 bar

Pipe connections

Threaded pipe union	Rp 1½
Thread	G 2
Overall length	l_o 180 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 200 W
Speed	n 1000 - 4800 rpm
Power consumption	P_1 10 - 305 W
Current consumption	I 0.15 - 1.33 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

Materials

Pump housing	Grey cast iron (EN-GJL-200)
Impeller	Plastic (PPE - 30% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Minimum suction head at 50 / 95 / 110 °C	0.5 / 3 / 10 m
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Data sheet: Wilo-Yonos MAXO 30/0,5-12

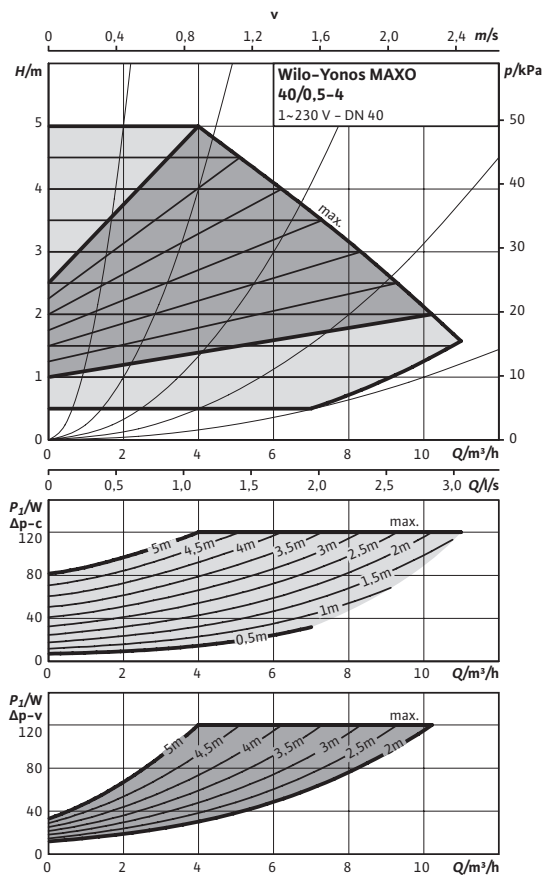


Information for order placements

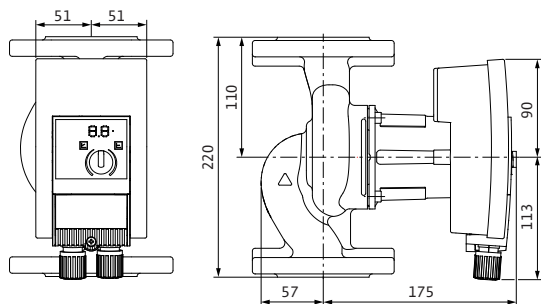
Make	Wilo	
Type	Yonos MAXO 30/0,5-12	
Art no.	2120644	
Weight approx.	<i>m</i>	5.40 kg

Data sheet: Wilo-Yonos MAXO 40/0,5-4

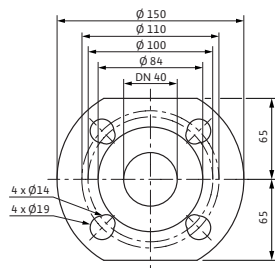
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 6/10 bar

Pipe connections

Flange	Combination flange PN6/10 (PN 16 flange according to EN 1092-2)
Nominal flange diameter	DN 40
Overall length	l_o 220 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 90 W
Speed	n 1200 - 3700 rpm
Power consumption	P_1 7 - 120 W
Current consumption	I 0.09 - 0.90 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

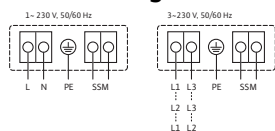
Materials

Pump housing	Grey cast iron (EN-GJL-250)
Impeller	Plastic (PPS - 40% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 40/0,5-4

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

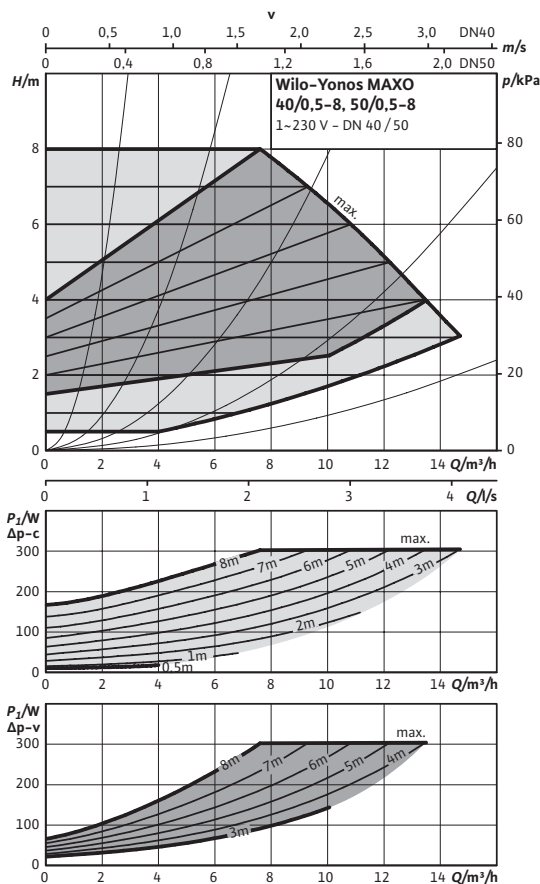
Information for order placements

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Type	Yonos MAXO 40/0,5-4
Art no.	2120645
Weight approx.	<i>m</i> 8.60 kg

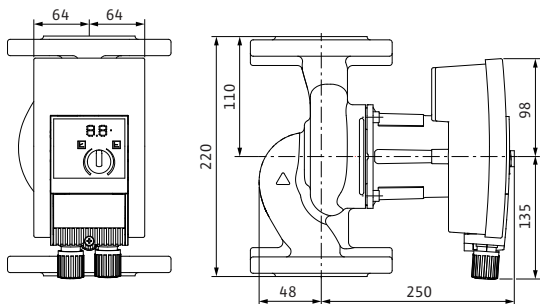


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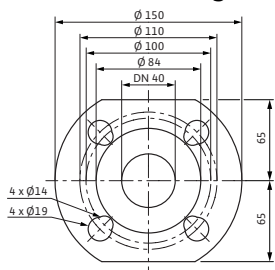
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

Heating water (in accordance with VDI 2035)

Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C -20...+110 °C

Maximum permissible operating pressure P_{max} 6/10 bar

Pipe connections

Flange Combination flange PN6/10 (PN 16 flange according to EN 1092-2)

Nominal flange diameter DN 40

Overall length l_o 220 mm

Motor/electronics

Energy efficiency index (EEI) ≤ 0.23

Electromagnetic compatibility EN 61800-3

Emitted interference EN 61000-6-3

Interference resistance EN 61000-6-2

Speed control Frequency converter

Protection class IP X4D

Insulation class F

Mains connection 1~230 V, 50/60 Hz

Nominal motor power P_2 200 W

Speed n 1200 - 4800 rpm

Power consumption P_1 10 - 305 W

Current consumption I 0.15 - 1.33 A

Motor protection integrated

Threaded cable connection PG M20x1.5

Materials

Pump housing Grey cast iron (EN-GJL-250)

Impeller Plastic (PPS - 40% GF)

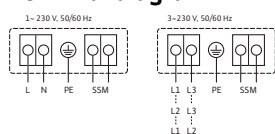
Pump shaft Stainless steel (X46Cr13)

Bearing Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 40/0,5-8

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

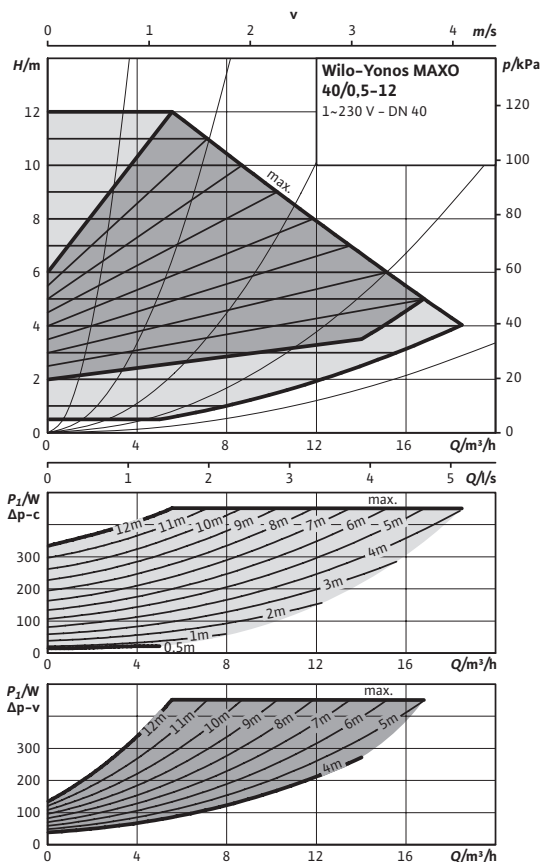
Information for order placements

Make	Wilo
Type	Yonos MAXO 40/0,5-8
Art no.	2120646
Weight approx.	<i>m</i> 9.20 kg

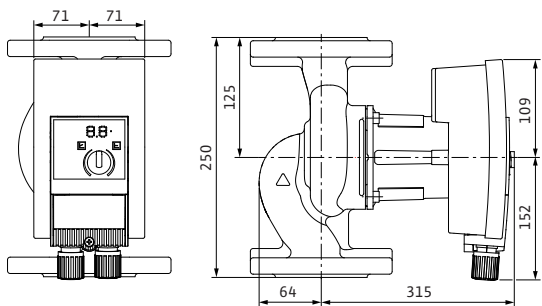


Data sheet: Wilo-Yonos MAXO 40/0,5-12

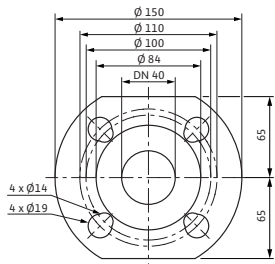
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

Heating water (in accordance with VDI 2035)	•
Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)	•

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 6/10 bar

Pipe connections

Flange	Combination flange PN6/10 (PN 16 flange according to EN 1092-2)
Nominal flange diameter	DN 40
Overall length	l_o 250 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 350 W
Speed	n 950 – 4500 rpm
Power consumption	P_1 15 – 450 W
Current consumption	I 0.17 – 2.00 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

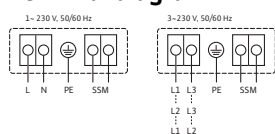
Materials

Pump housing	Grey cast iron (EN-GJL-250)
Impeller	Plastic (PPS – 40% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 40/0,5-12

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

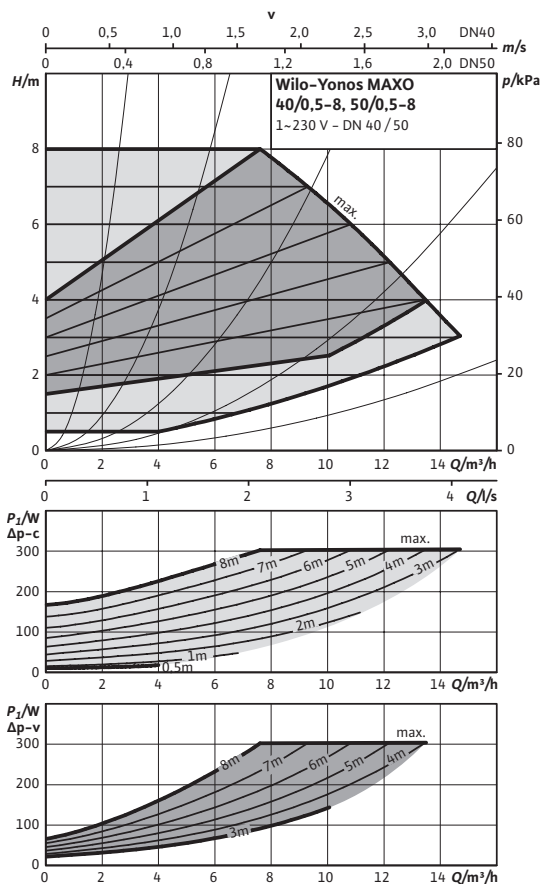
Information for order placements

Make	Wilo
Type	Yonos MAXO 40/0,5-12
Art no.	2120647
Weight approx.	<i>m</i> 13 kg

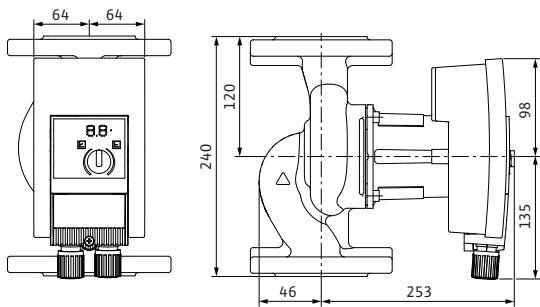


Data sheet: Wilo-Yonos MAXO 50/0,5-8

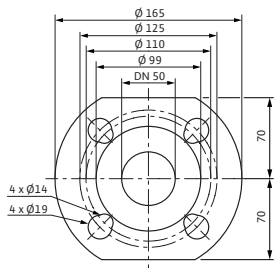
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

Heating water (in accordance with VDI 2035)

Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C: -20...+110 °C

Maximum permissible operating pressure: P_{max} 6/10 bar

Pipe connections

Flange: Combination flange PN6/10 (PN 16 flange according to EN 1092-2)

Nominal flange diameter: DN 50

Overall length: l_o 240 mm

Motor/electronics

Energy efficiency index (EEI) ≤ 0.23

Electromagnetic compatibility: EN 61800-3

Emitted interference: EN 61000-6-3

Interference resistance: EN 61000-6-2

Speed control: Frequency converter

Protection class: IP X4D

Insulation class: F

Mains connection: 1~230 V, 50/60 Hz

Nominal motor power: P_2 200 W

Speed: n 1200 - 4800 rpm

Power consumption: P_1 10 - 305 W

Current consumption: I 0.15 - 1.33 A

Motor protection: integrated

Threaded cable connection: PG M20x1.5

Materials

Pump housing: Grey cast iron (EN-GJL-250)

Impeller: Plastic (PPS - 40% GF)

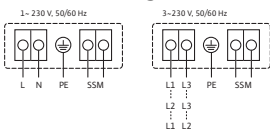
Pump shaft: Stainless steel (X46Cr13)

Bearing: Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 50/0,5-8

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

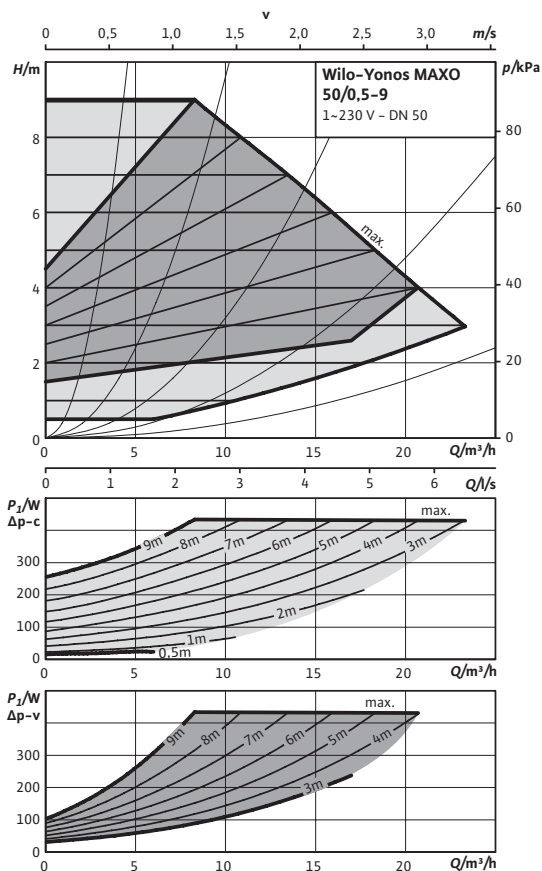
Information for order placements

Make	Wilo
Type	Yonos MAXO 50/0,5-8
Art no.	2120649
Weight approx.	<i>m</i> 10.50 kg

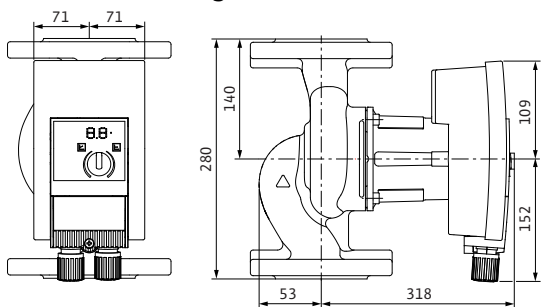


Data sheet: Wilo-Yonos MAXO 50/0,5-9

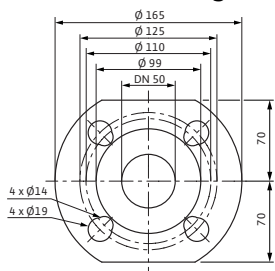
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 6/10 bar

Pipe connections

Flange	Combination flange PN6/10 (PN 16 flange according to EN 1092-2)
Nominal flange diameter	DN 50
Overall length	l_o 280 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 350 W
Speed	n 950 - 4000 rpm
Power consumption	P_1 15 - 430 W
Current consumption	I 0.17 - 1.88 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

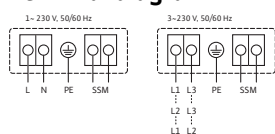
Materials

Pump housing	Grey cast iron (EN-GJL-250)
Impeller	Plastic (PPS - 40% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 50/0,5-9

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

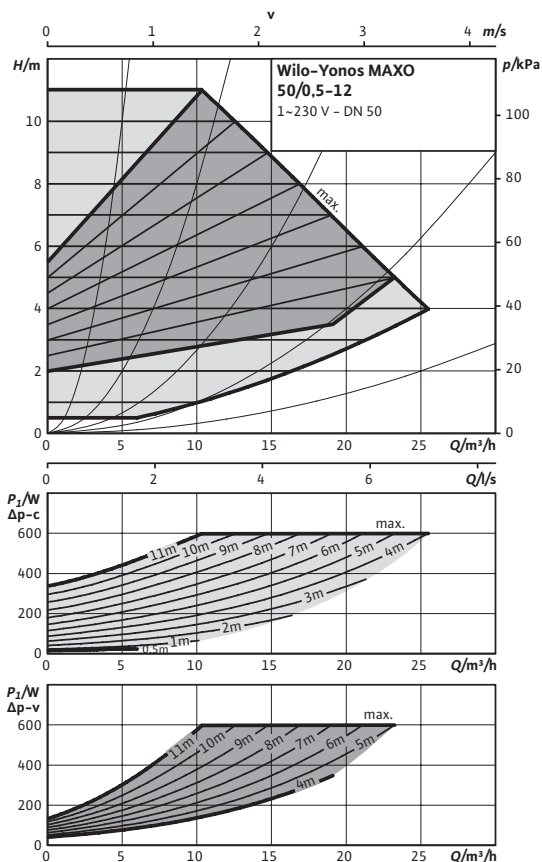
Information for order placements

Make	Wilo
Type	Yonos MAXO 50/0,5-9
Art no.	2120650
Weight approx.	<i>m</i> 14.20 kg

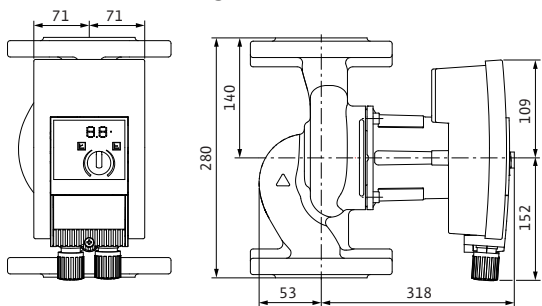


Data sheet: Wilo-Yonos MAXO 50/0,5-12

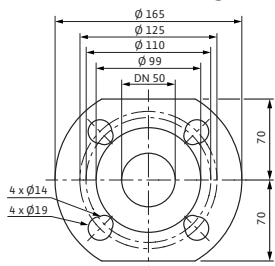
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 6/10 bar

Pipe connections

Flange	Combination flange PN6/10 (PN 16 flange according to EN 1092-2)
Nominal flange diameter	DN 50
Overall length	l_o 280 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 500 W
Speed	n 950 – 4400 rpm
Power consumption	P_1 15 – 600 W
Current consumption	I 0.17 – 2.65 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

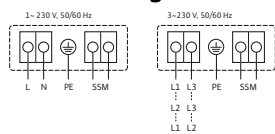
Materials

Pump housing	Grey cast iron (EN-GJL-250)
Impeller	Plastic (PPS – 40% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 50/0,5-12

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

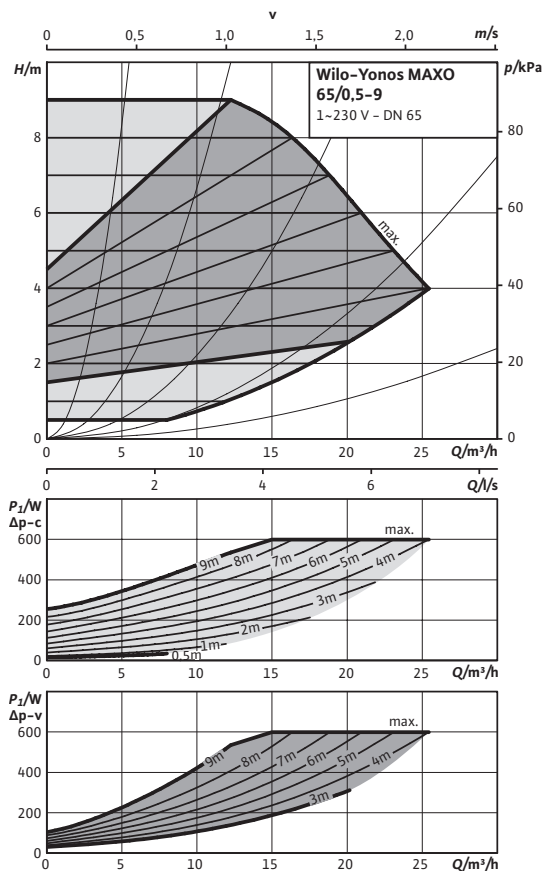
Information for order placements

Make	Wilo
Type	Yonos MAXO 50/0,5-12
Art no.	2120651
Weight approx.	<i>m</i> 14.20 kg

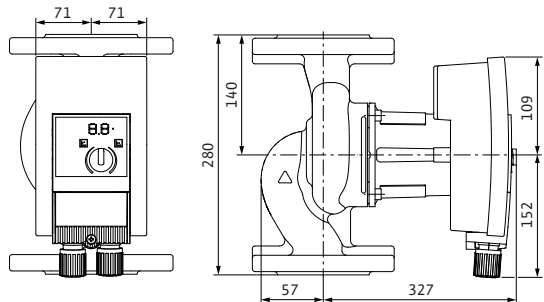


Data sheet: Wilo-Yonos MAXO 65/0,5-9

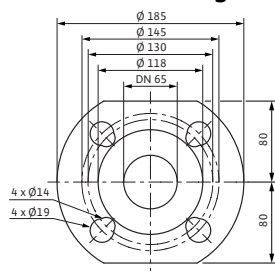
Pump curves



Dimension drawing



Dimension drawing, flange



Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)

Permitted field of application

Temperature range at max. ambient temperature +40 °C	-20...+110 °C
Maximum permissible operating pressure	P_{max} 6/10 bar

Pipe connections

Flange	Combination flange PN6/10 (PN 16 flange according to EN 1092-2)
Nominal flange diameter	DN 65
Overall length	l_o 280 mm

Motor/electronics

Energy efficiency index (EEI)	≤ 0.23
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Speed control	Frequency converter
Protection class	IP X4D
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Nominal motor power	P_2 500 W
Speed	n 950 - 4000 rpm
Power consumption	P_1 15 - 600 W
Current consumption	I 0.17 - 2.65 A
Motor protection	integrated
Threaded cable connection	PG M20x1.5

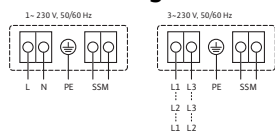
Materials

Pump housing	Grey cast iron (EN-GJL-250)
Impeller	Plastic (PPS - 40% GF)
Pump shaft	Stainless steel (X46Cr13)
Bearing	Carbon, metal impregnated

Minimum suction head at suction port for avoiding cavitation at water pumping temperature

Data sheet: Wilo-Yonos MAXO 65/0,5-9

Terminal diagram



Collective fault signal
(NC contact according to VDI 3814, load capacity 1 A,
250 V ~)
For function, see Wilo catalogue, chapter "Pump
management Wilo control, planning guide"

SSM:

Minimum suction head at 50 / 95 / 110 °C 0.5 / 3 / 10 m

Information for order placements

Make	Wilo
Type	Yonos MAXO 65/0,5-9
Art no.	2120653
Weight approx.	<i>m</i> 16.10 kg

