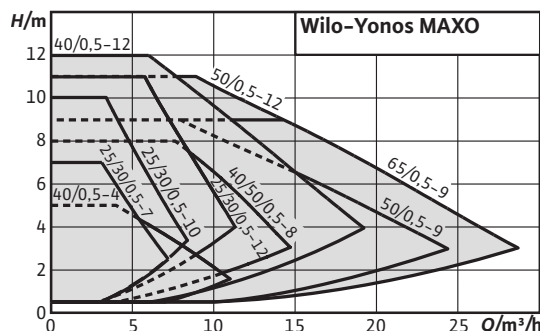


Series description: Wilo-Yonos MAXO



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

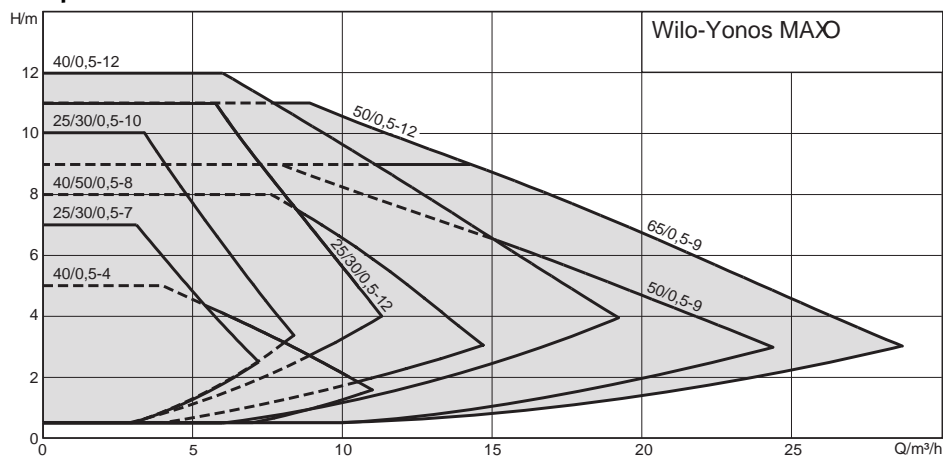
- Pump
- Including gaskets for threaded connection
- Incl. washers for flange screws (for nominal connection diameters DN 40 - DN 65)
- Including installation and operating instructions

Accessories

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

Duty chart: Wilo-Yonos MAXO

Pump curves

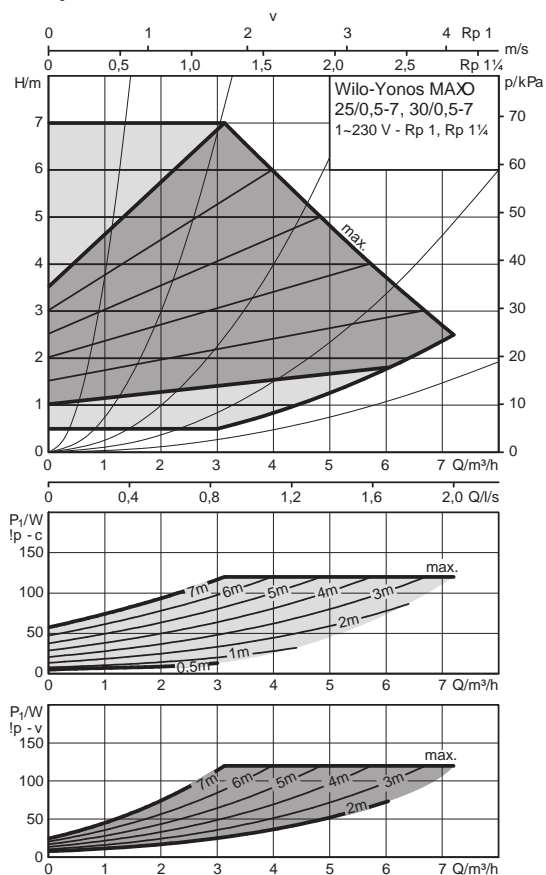


Product list: Wilo-Yonos MAXO

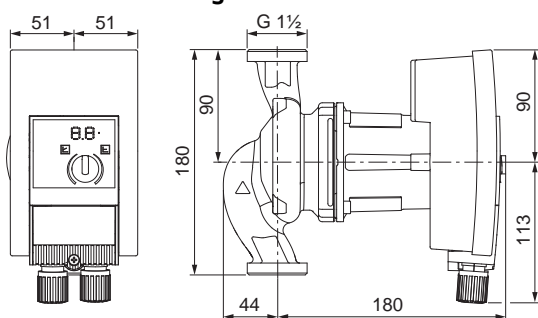
Type	Pipe connection	Nominal flange diameter	Rated pressure	Overall length	Mains connection	Gross weight	Art no.
			1 / " C B S	M/mm		N " L H	
Yonos MAXO 25/0,5-7	Rp 1		10	180	1~230 V, 50/60 Hz	5.8	2120639
Yonos MAXO 25/0,5-10	Rp 1		10	180	1~230 V, 50/60 Hz	5.8	2120640
Yonos MAXO 25/0,5-12	Rp 1		10	180	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

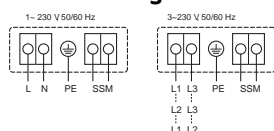
Pump curves



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"

Subject to change without prior notice.

www.wilo.com

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 (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 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

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

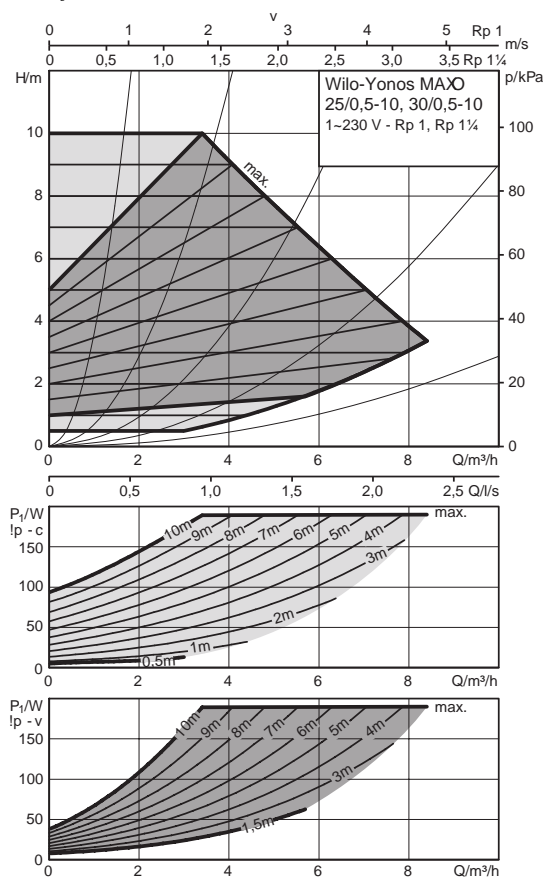


Information for order placements

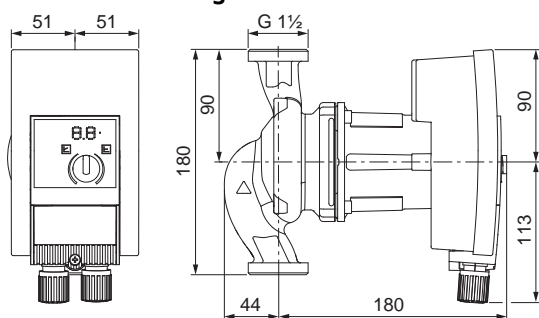
Make	Wilo
Type	Yonos MAXO 25/0,5-7
Art no.	2120639
Weight approx.	<i>m</i> 4.50 kg

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

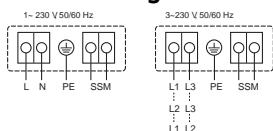
Pump curves



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"

Subject to change without prior notice.

www.wilo.com

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 (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

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

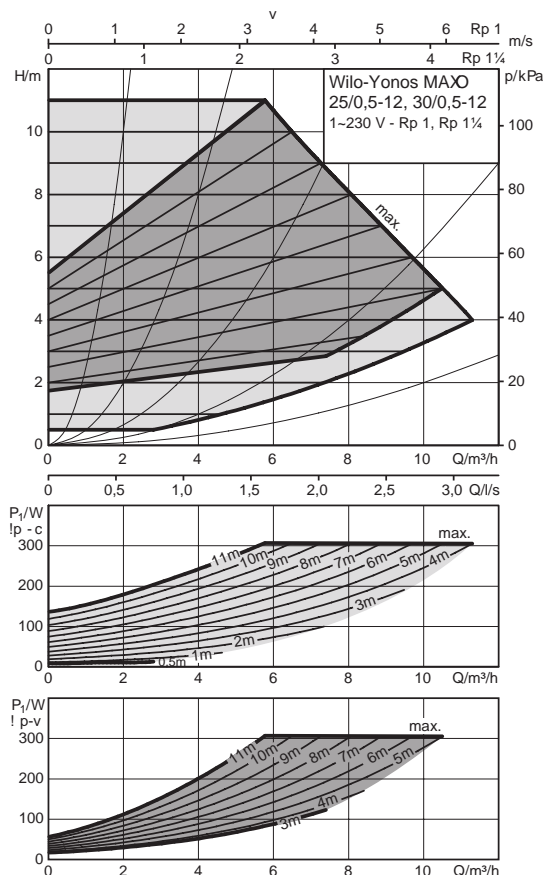


Information for order placements

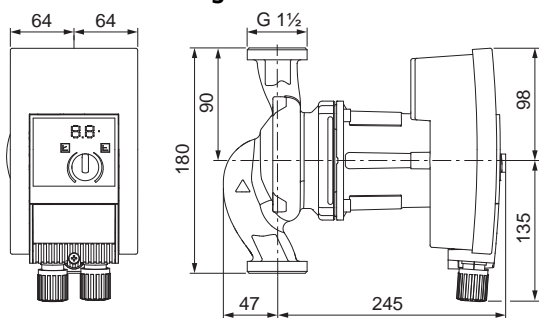
Make	Wilo	
Type	Yonos MAXO 25/0,5-10	
Art no.	2120640	
Weight approx.	<i>m</i>	4.50 kg

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

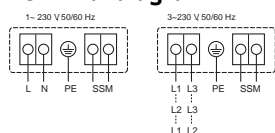
Pump curves



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"

Subject to change without prior notice.

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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

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

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

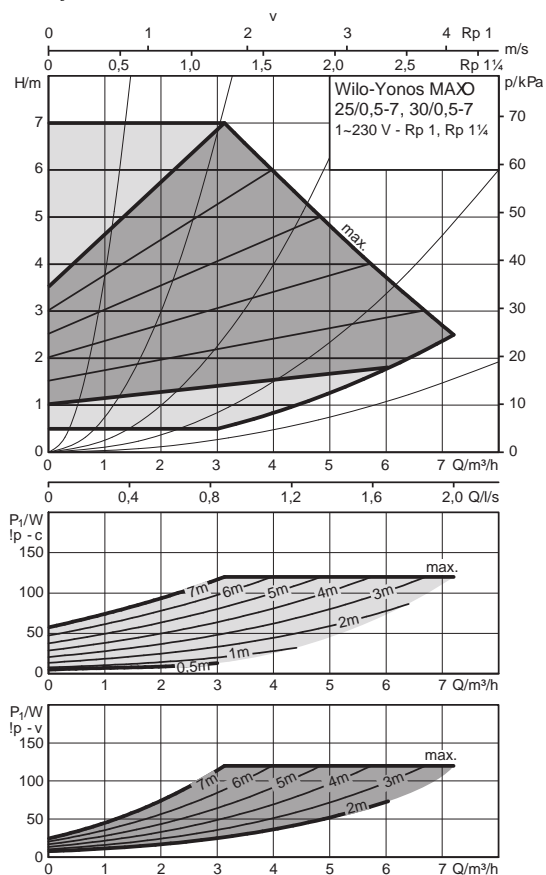


Information for order placements

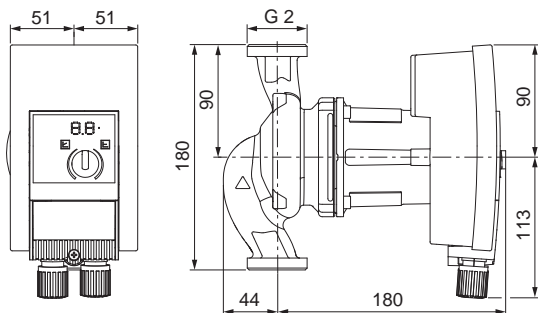
Make	Wilo	
Type	Yonos MAXO 25/0,5-12	
Art no.	2120641	
Weight approx.	<i>m</i>	5.30 kg

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

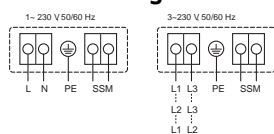
Pump curves



Dimension drawing



Terminal diagram



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"

Subject to change without prior notice.

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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 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
--	----------------

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

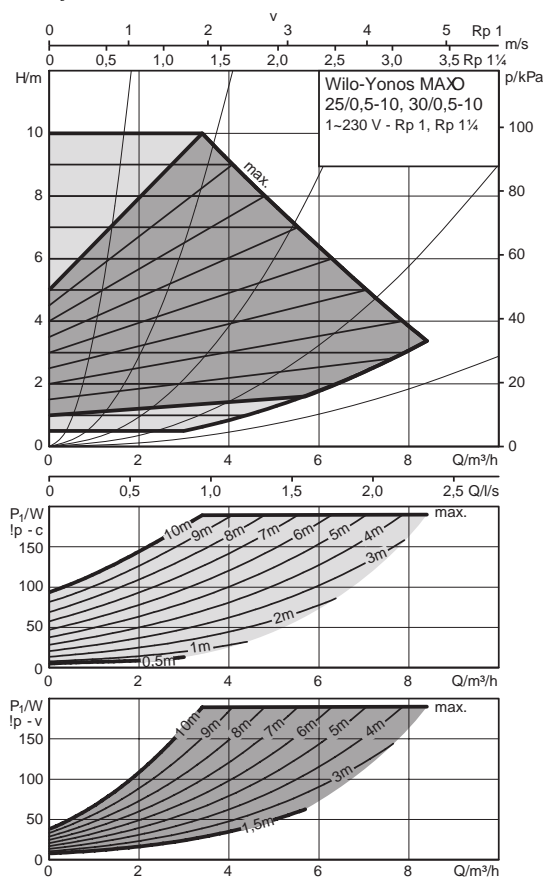


Information for order placements

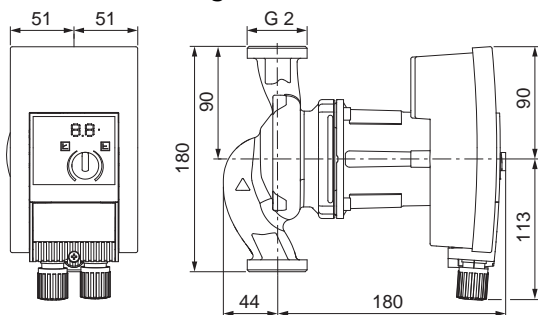
Make	Wilo	
Type	Yonos MAXO 30/0,5-7	
Art no.	2120642	
Weight approx.	<i>m</i>	4.60 kg

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

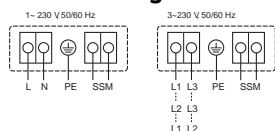
Pump curves



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"

Subject to change without prior notice.

www.wilo.com

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 1/4

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

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

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

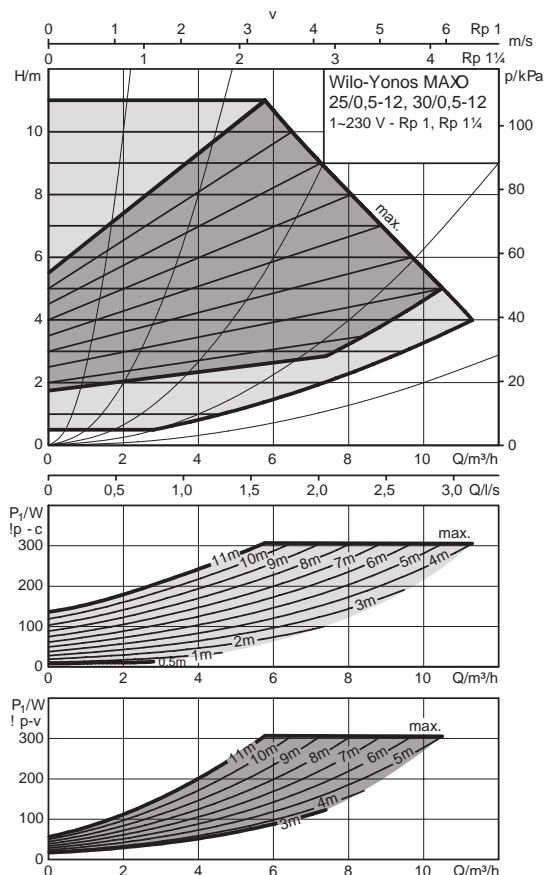


Information for order placements

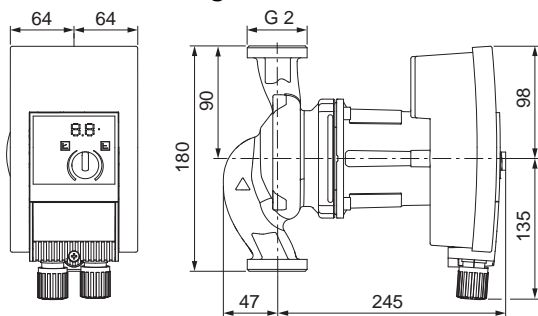
Make	Wilo	
Type	Yonos MAXO 30/0,5-10	
Art no.	2120643	
Weight approx.	<i>m</i>	4.60 kg

Data sheet: Wilo-Yonos MAXO 30/0,5-12

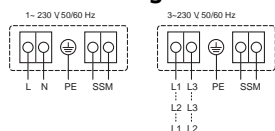
Pump curves



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 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

Subject to change without prior notice.

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Data sheet: Wilo-Yonos MAXO 30/0,5-12

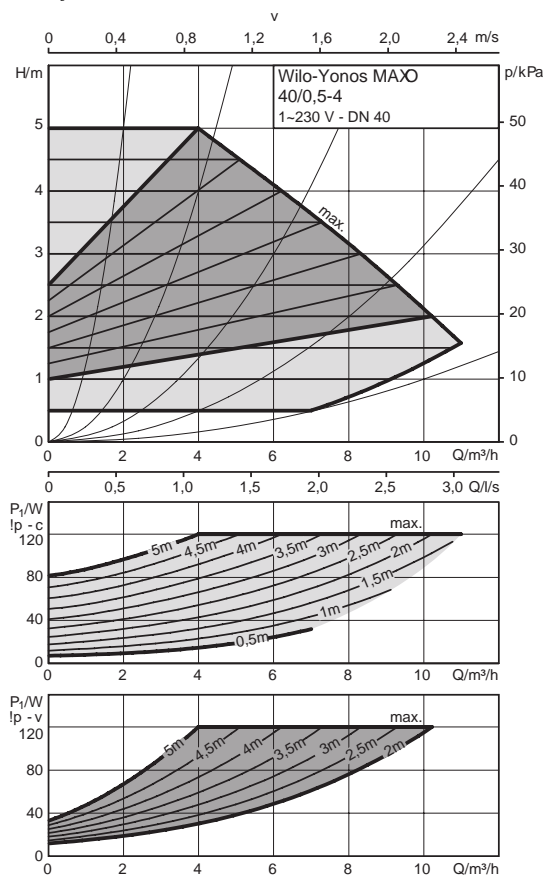


Information for order placements

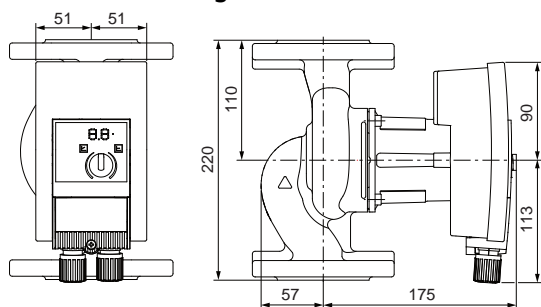
Make	Wilo	
Type	Yonos MAXO 30/0,5-12	
Art no.	2120644	
Weight approx.	<i>m</i>	5.40 kg

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

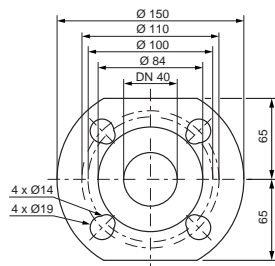
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

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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)

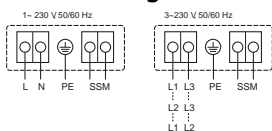
Bearing

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

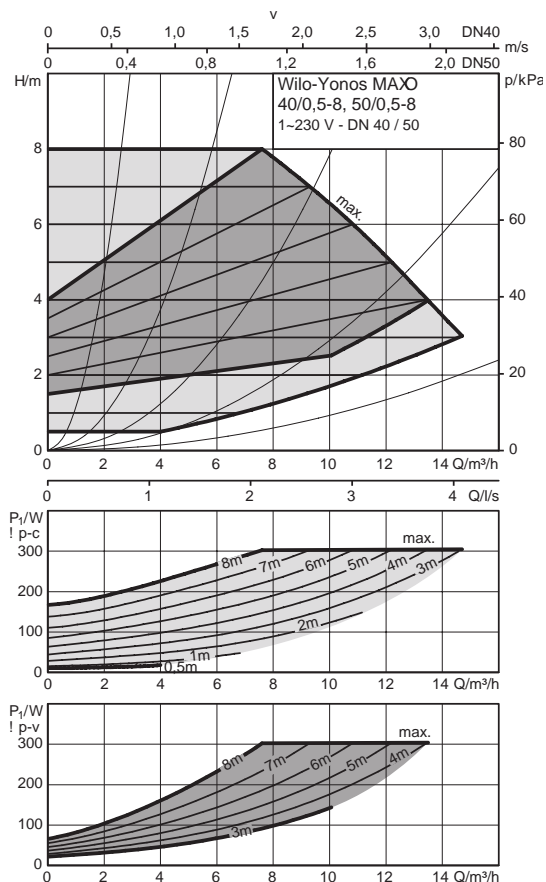
Information for order placements

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

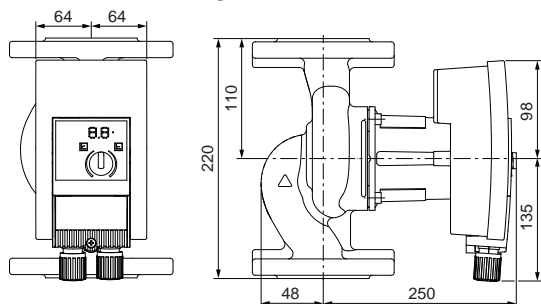


Data sheet: Wilo-Yonos MAXO 40/0,5-8

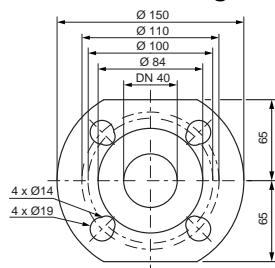
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

www.wilo.com

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)

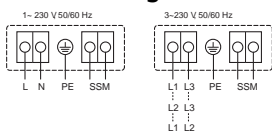
Bearing

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

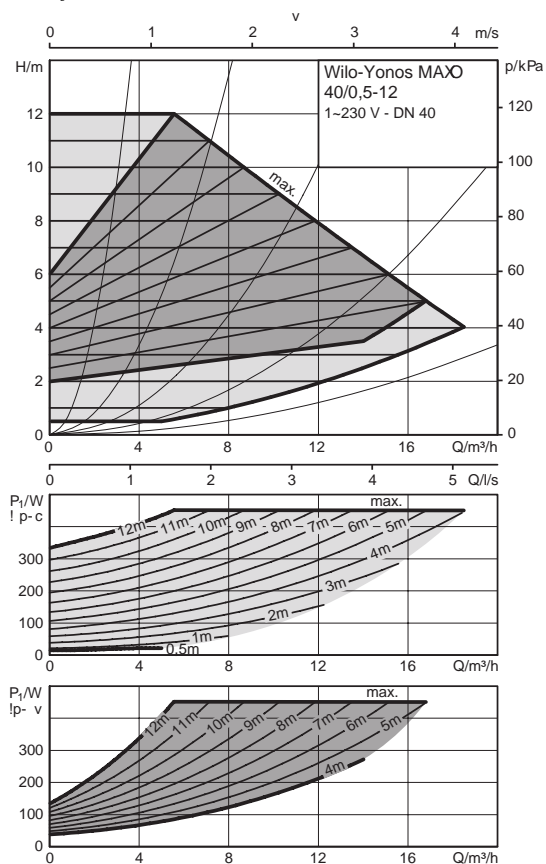
Information for order placements

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

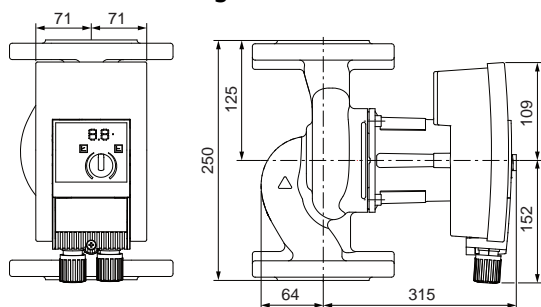


Data sheet: Wilo-Yonos MAXO 40/0,5-12

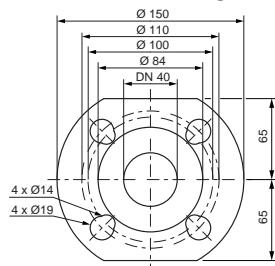
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

www.wilo.com

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)

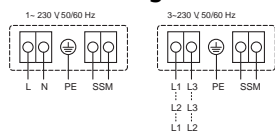
Bearing

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

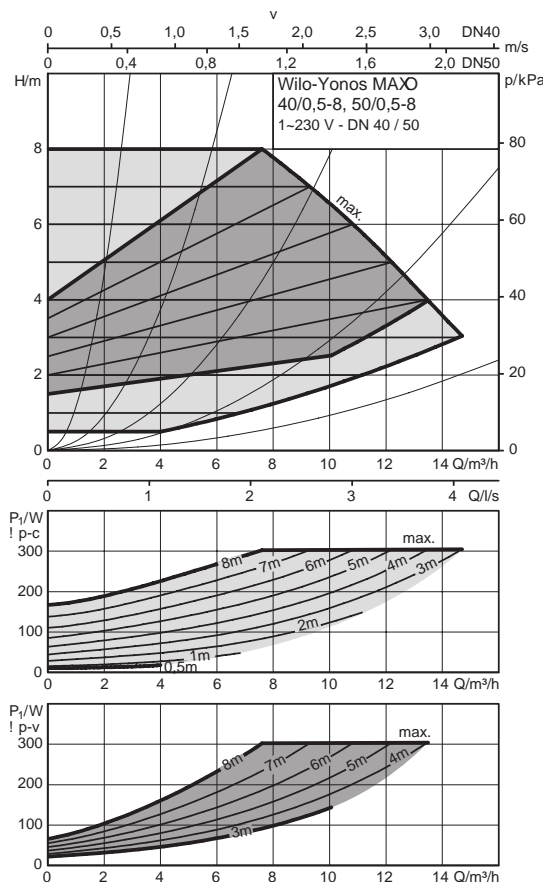
Information for order placements

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

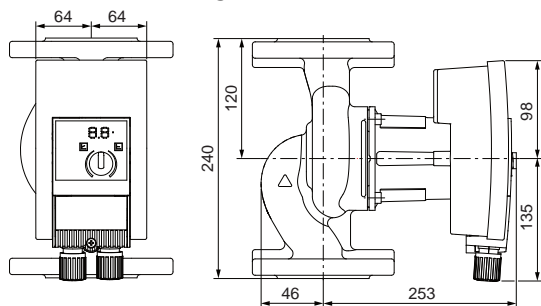


Data sheet: Wilo-Yonos MAXO 50/0,5-8

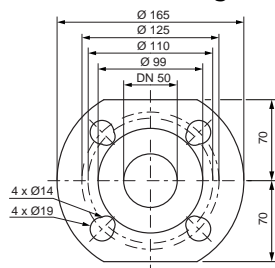
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

www.wilo.com

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)

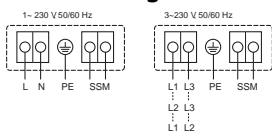
Bearing

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

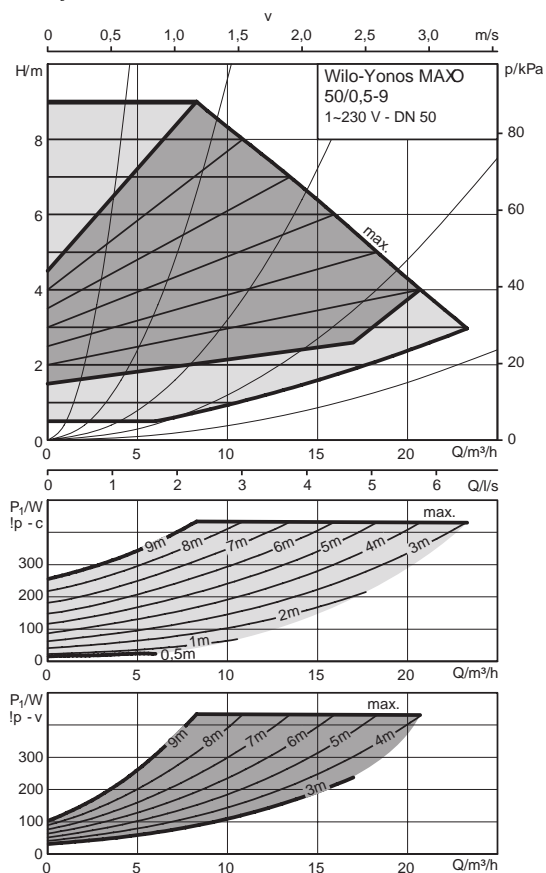
Information for order placements

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

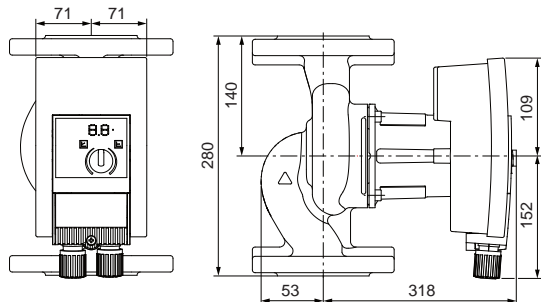


Data sheet: Wilo-Yonos MAXO 50/0,5-9

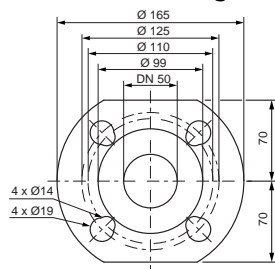
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

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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)

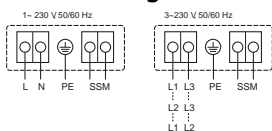
Bearing

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

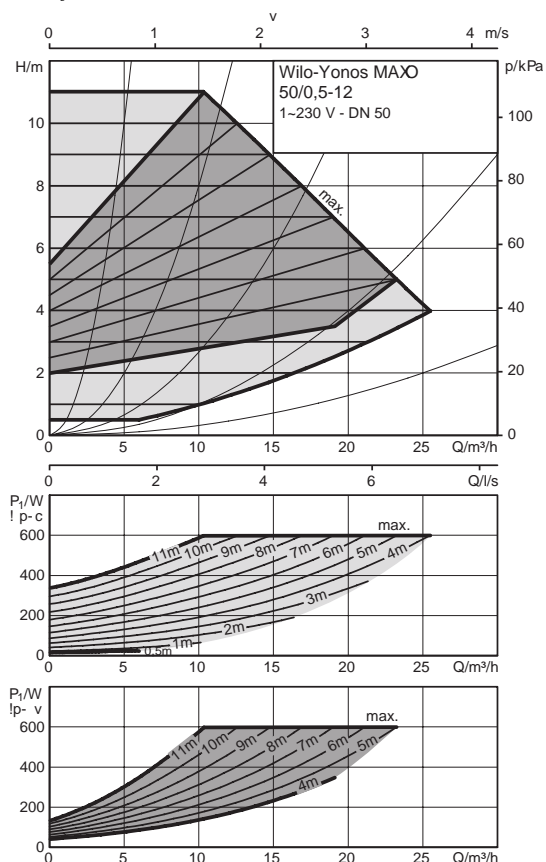
Information for order placements

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

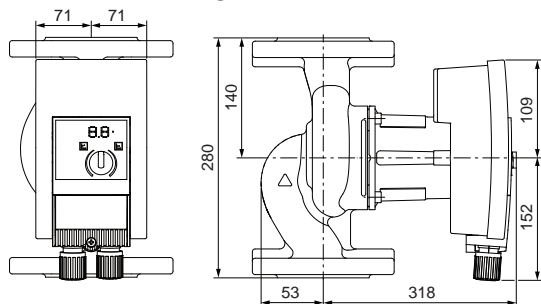


Data sheet: Wilo-Yonos MAXO 50/0,5-12

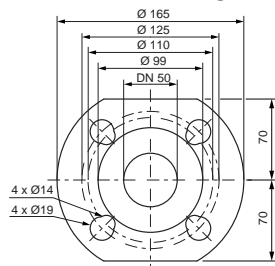
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

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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

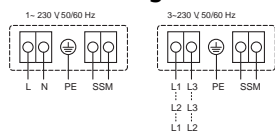
Materials

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

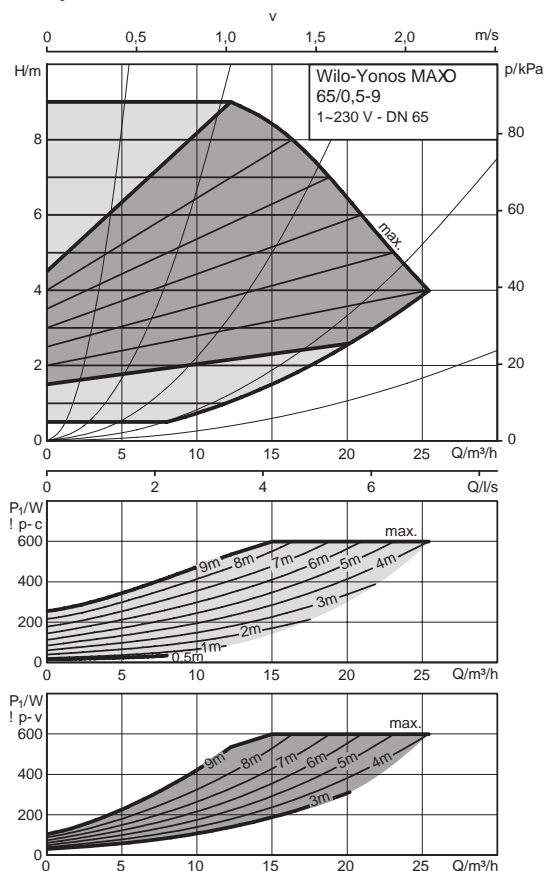
Information for order placements

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

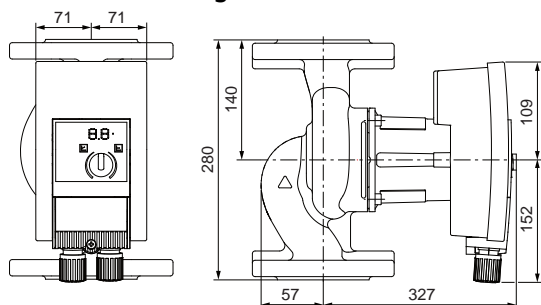


Data sheet: Wilo-Yonos MAXO 65/0,5-9

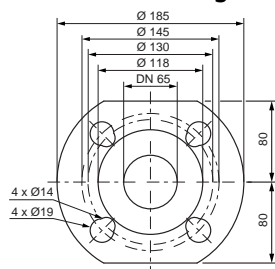
Pump curves



Dimension drawing



Dimension drawing, flange



Subject to change without prior notice.

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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)

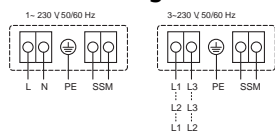
Bearing

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

