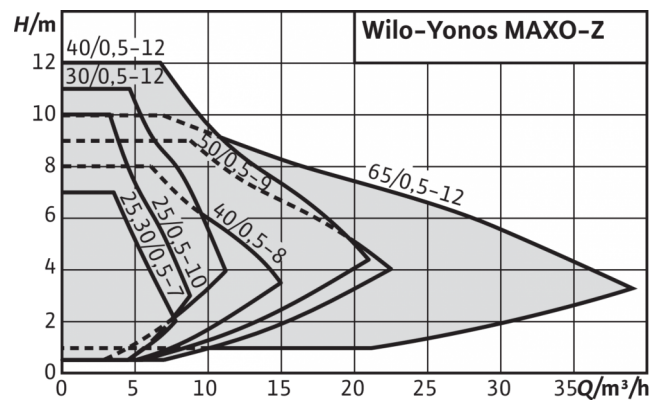


## Series description: Wilo-Yonos MAXO-Z

Wilo-Yonos MAXO-Z 25



Yonos MAXO-Z



The Wilo-Yonos MAXO-Z is an efficient circulator for the hygienically safe provision of domestic hot water in commercial buildings. Thanks to its LED display, it gives you complete transparency regarding the delivery head, speed stage or any possible faults. The compact construction and Wilo plug for the electrical connection simplifies the installation. The Green Button makes pump operation simple.

### Design type

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

### Application

Domestic hot water circulation systems in industry and building services.

### Special features/product advantages

- High drinking water hygiene ensured through collective fault signal
- Energy-saving due to high-efficiency hydraulics and synchronous motor
- Complete transparency of the delivery head, speed and possible faults thanks to its LED display
- Simple adjustment over three speed stages using the green Knob when replacing an uncontrolled standard pump
- Easier electrical connection thanks to the Wilo-Plug
- Compact design and proven user-friendliness

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### Equipment/function

#### Operating modes

- $\Delta p$ -c for constant differential pressure
- $\Delta p$ -v for variable differential pressure
- n = constant (3 speed stages)

#### Manual functions

- Setting the operating mode
- Setting of pump output (delivery head)
- Setting the speed stages

#### Automatic functions

- Infinitely variable power adjustment according to 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 error codes
- Display of the configured speed stage (C1, C2 or C3)

#### Equipment

- Wrench attachment point on pump body (for threaded pipe union pumps)
- Quick electrical connection with Wilo plug. 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: Combination flange PN 6/10 for counter flanges PN 6 and PN 10

### 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

### Type key

Example: <b>Yonos MAXO</b>	<b>Wilo-Yonos MAXO-Z 30/0.5-12</b> High-efficiency pump (screw-end or flange-end pump), electronically controlled
<b>Z</b>	Single pump for domestic hot water circulation
<b>30/</b>	Nominal connection diameter
<b>0.5-12</b>	Nominal delivery head range [m]

### Technical data

- Permissible temperature range drinking water up to 3.57 mmol/l (20 °dH): 0 °C to +80 °C
- Mains connection 1~230 V, 50/60 Hz
- Protection class IPX4D
- Screwed connection or flange connection (depending on type) Rp 1 to DN 65
- Max. operating pressure of standard version: 6/10 bar or 6 bar (special version: 10 bar)

### Materials

- Pump housing made of red brass
- Shaft: Stainless steel
- Bearing: Carbon, synthetic resin-impregnated
- Impeller: Plastic

## Product list: Wilo-Yonos MAXO-Z

Product description	Mains connection	Energy efficiency index (EEI)	Max. volume flow $Q$	Max. delivery head $H$	Maximum operating pressure $PN$	Pipe connection	Port-to-port length $l_0$	Gross weight, approx. $m$	Article number
Yonos MAXO-Z 65/0,5-12	1~230 V, 50/60 Hz	0.20	39 m <sup>3</sup> /h	10 m	10 bar	DN 65	340 mm	33.8 kg	2175545
Yonos MAXO-Z 50/0,5-9	1~230 V, 50/60 Hz	0.20	29 m <sup>3</sup> /h	10 m	10 bar	DN 50	280 mm	19.8 kg	2175544
Yonos MAXO-Z 40/0,5-12	1~230 V, 50/60 Hz	0.20	24.8 m <sup>3</sup> /h	13 m	10 bar	DN 40	250 mm	18.4 kg	2175543
Yonos MAXO-Z 40/0,5-8	1~230 V, 50/60 Hz	0.20	18.2 m <sup>3</sup> /h	9 m	10 bar	DN 40	220 mm	13.0 kg	2175542
Yonos MAXO-Z 30/0,5-12	1~230 V, 50/60 Hz	0.20	11.7 m <sup>3</sup> /h	12 m	10 bar	G 2	180 mm	5.3 kg	2175541
Yonos MAXO-Z 30/0,5-7	1~230 V, 50/60 Hz	0.20	8.2 m <sup>3</sup> /h	7 m	10 bar	G 2	180 mm	5.3 kg	2175540
Yonos MAXO-Z 25/0,5-10	1~230 V, 50/60 Hz	0.20	9.6 m <sup>3</sup> /h	11 m	10 bar	G 1½	180 mm	5.0 kg	2175539
Yonos MAXO-Z 25/0,5-7	1~230 V, 50/60 Hz	0.20	8.2 m <sup>3</sup> /h	7 m	10 bar	G 1½	180 mm	5.0 kg	2175538