

## Data sheet: Yonos MAXO-D 65/0,5-16

### Hydraulic data

Max. volume flow $Q$	53.3 m <sup>3</sup> /h
Max. delivery head $H$	16.00 m
Energy efficiency index (EEI)	0.23

### Motor data

Mains connection	1~230 V $\pm$ 10%, 50/60 Hz
Power consumption $P_{1 \max}$	1450 W
Power consumption $P_{1 \min}$	40 W
Max current $I_{\max}$	6.40 A
Min current $I_{\min}$	0.30 A
Max. speed $n_{\max}$	3400 rpm
Min. speed $n_{\min}$	800 rpm
Insulation class	F
Protection class	IPX4D
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference resistance	EN 61800-3;2004+A1;2012 /industria l environment (C2)

### Materials

Bearing	Carbon, metal impregnated
Impeller	PP-LGF50
Pump housing	5.1301, EN-GJL-250
Shaft	1.4028, X30Cr13

### Product data

Maximum operating pressure $PN$	10 bar
Max. ambient temperature $T$	40 °C
Min. ambient temperature $T$	-20 °C
Max. fluid temperature $T$	110 °C
Min. fluid temperature $T$	-10 °C

### Installation dimensions

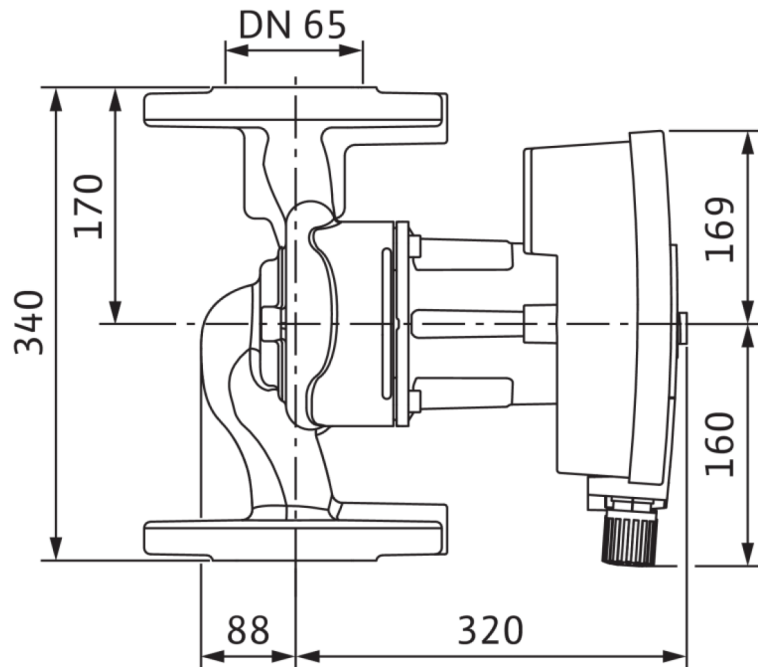
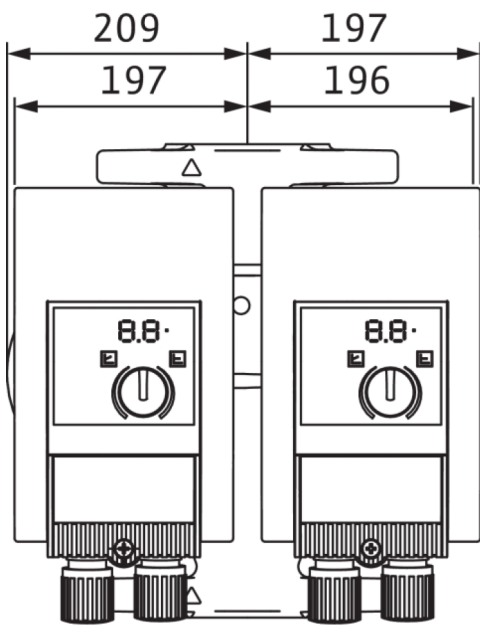
Pipe connection on the pressure side	DN 65
Pipe connection on the suction side	DN 65
Port-to-port length $l_0$	340 mm

### Information for order placements

Brand	Wilo
Product description	Yonos MAXO-D 65/0,5-16
Article number	2120671
Net weight, approx. $m$	50 kg

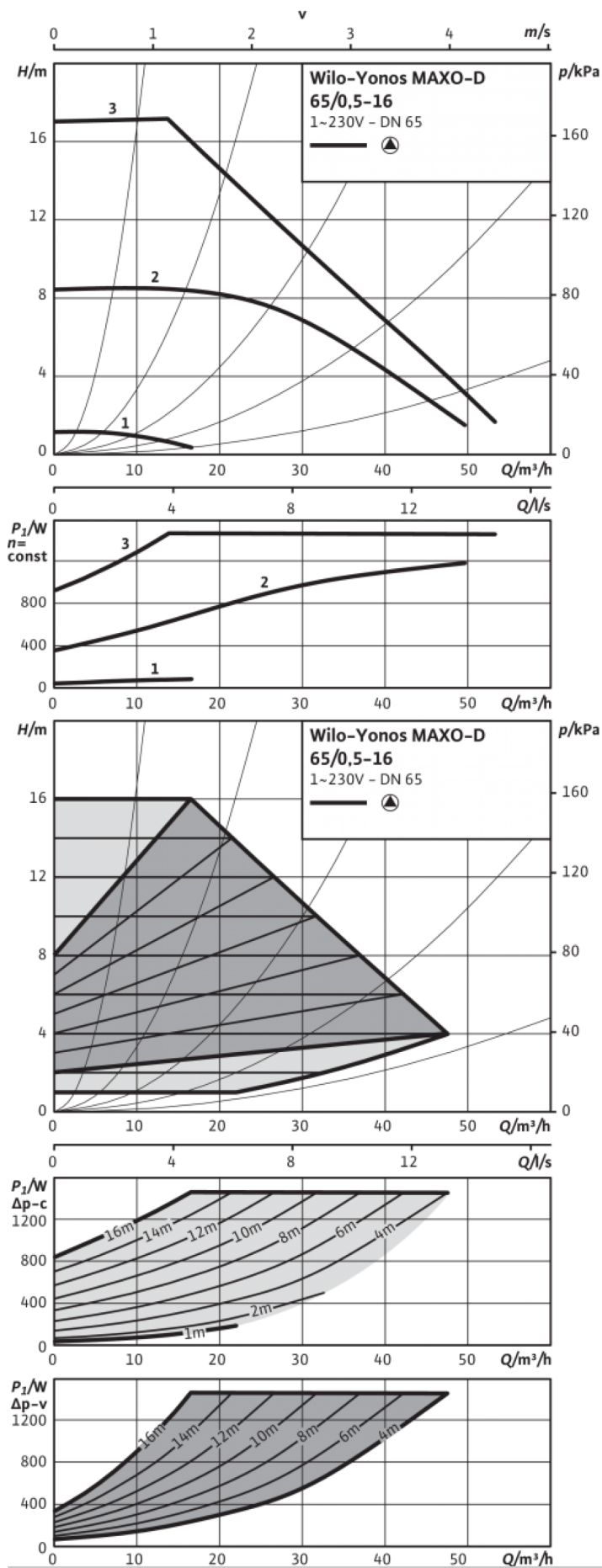
Dimensions and dimensions drawings: Yonos MAXO-D 65/0,5-16

Yonos MAXO-D 65-0,5/16



## Pump curves: Yonos MAXO-D 65/0,5-16

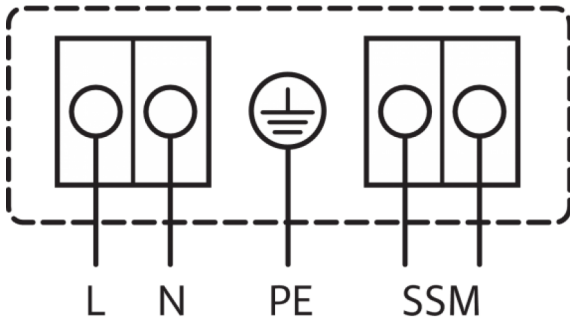
Yonos MAXO-D 65-0,5/16



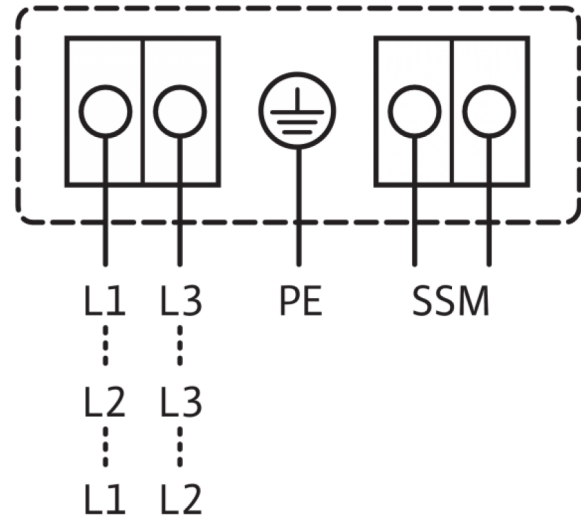
**Wiring diagram: Yonos MAXO-D 65/0,5-16**

1~230V, 50/60 Hz; 1~230 V, 50/60 Hz

1~ 230 V, 50/60 Hz



3~230 V, 50/60 Hz



SSM:

Standard: 1~230 V, 50/60 Hz

Option: 3~230 V, 50/60 Hz

Collective fault signal

(NC contact in accordance with VDI 3814, load capacity 1 A, 250 V ~)

## Ordering information: Yonos MAXO-D 65/0,5-16

Brand	Wilo
Product description	Yonos MAXO-D 65/0,5-16
EAN number	4048482408019
Article number	2120671
Gross weight, approx. <i>m</i>	54.2 kg
Net weight, approx. <i>m</i>	50 kg
Overall length <i>L</i>	340.0 mm
Height without packaging <i>H</i>	408 mm
Colour	green/black
Packaging property	Transport packaging
Packaging type	Cardboard box
Number per layer	2
Width without packaging <i>L</i>	394.0 mm
Minimum order quantity	1
Pieces per pallet	4

## Tender text: Yonos MAXO-D 65/0,5-16

High-efficiency pump Wilo-Yonos MAXO-D, electronically controlled. Glandless twin-head pump, synchronous motor according to ECM technology and integrated power control for continuous differential pressure control. Can be used for all heating, ventilation and air-conditioning applications.

Each pump can be operated in individual operation (main/standby operation). For an automatic fault-actuated switchover, a corresponding switchgear must be provided onsite.

Standard-equipped with:

- Preselectable control modes for optimum load adjustment:  $\Delta p$ -c (differential pressure constant),  $\Delta p$ -v (differential pressure variable)
- 3 speed stages (n = constant)
- LED display for setting the setpoint and displaying error messages
- Electrical connection with the Wilo plug
- Fault lamp and contact for collective fault signal

For flange-end pumps - flange versions:

- Standard version for DN 32 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
- Standard version for DN 80/DN 100 pumps: PN 6 flange (designed for PN 16 according to EN 1092-2) for PN 6 counter flange

Materials		Operating data	
Pump housing	5.1301, EN-GJL-250	Fluid media	Water
Impeller	PP-LGF50	Min. fluid temperature $T$	-10 °C
Shaft	1.4028, X30Cr13	Max. fluid temperature $T$	110 °C
Bearing	Carbon, metal impregnated	Maximum operating pressure $PN$	10 bar
		Minimum suction head at 50 °C	7
		Minimum suction head at 95 °C	15
		Minimum suction head at 110 °C	23
		Max. ambient temperature $T$	40 °C
Motor data		Installation dimensions	
Energy efficiency index (EEI)	0.23	Pipe connection on the suction side	DN 65
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)	Port-to-port length $l_0$	340 mm
Interference resistance	EN 61800-3;2004+A1;2012 /industria I environment (C2)		
Mains connection	1~230 V, 50/60 Hz		
Power consumption $P_{1 \max}$	1450 W		
Min. speed $n_{\min}$	800 rpm		
Max. speed $n_{\max}$	3400 rpm		
Protection class motor	IPX4D		
Threaded cable connection	2 x M20x1.5		
Information for order placements			
Net weight, approx. $m$	50 kg		
Brand	Wilo		
Product description	Yonos MAXO-D 65/0,5-16		
Article number	2120671		