



Yonos MAXO 40/0,5-4 PN 6/10

Glandless pump circulator

Article number: [2120645](#)

Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Head max $H_{\max}$	5.5 m
Flow max $Q_{\max}$	12.6 m ³ /h
Minimum suction head at 50 °C m	3 m
Minimum suction head at 95 °C m	10 m
Minimum suction head at 110 °C	16 m
Min. fluid temperature $T_{\min}$	-20 °C
Max. fluid temperature $T_{\max}$	110 °C
Min. ambient temperature $T_{\min}$	-20 °C
Max. ambient temperature $T_{\max}$	40 °C

Motor data

Energy efficiency index (EEI) *	≤ 0.20
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Motor data

Mains connection	1~230 V $\pm 10\%$, 50/60 Hz
Min current $I_{\min}$	0.09 A
Max current $I_{\max}$	1 A
Rated power P_2	90 W
Min. speed $n_{\min}$	1200 1/min
Max. speed $n_{\max}$	3700 1/min
Power consumption P_1 min	7 W
Power consumption P_1 max	120 W
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)

Motor data

Interference resistance	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Threaded cable connection	2 x M20x1.5
Insulation class	F
Protection class	IPX4D

* The benchmark for the most efficient circulators is $EEI \leq 0.20$

Materials

Pump housing	Grey cast iron
Impeller	PPS-GF40
Shaft	Stainless steel
Bearing	Carbon-graphite

Installation dimensions

Pump connection	DN 40
Port-to-port length L_0	220 mm

Equipment/function**Function**

Control mode	Δp -v for variable differential pressure Δp -c for constant differential pressure Constant speed (3 speed stages)
Multi pump operation	Main/Standby (with Connect Module Yonos MAXO)
Display	Setpoint Fault signals (error codes)

Equipment

Approvals and labels	CE VDE EAC
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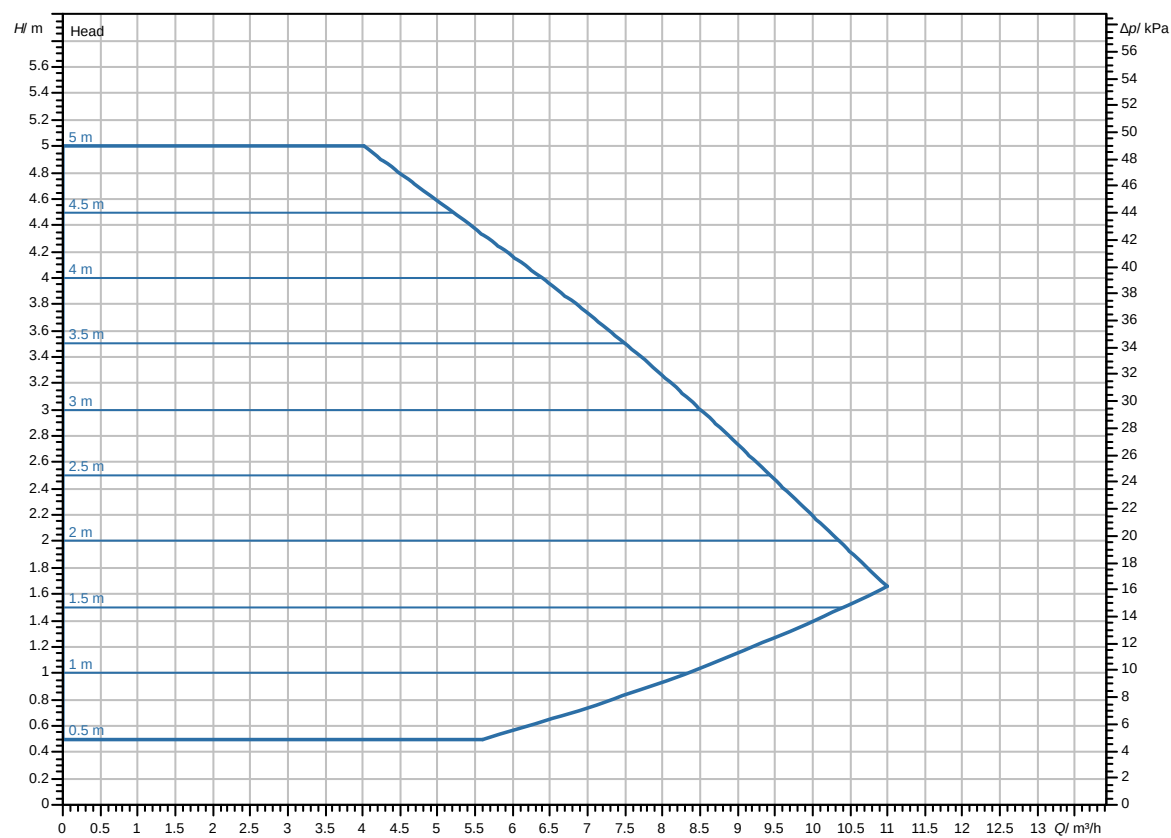
Equipment

Display	LED segment display
Display information	Basic Version: LED display (small) for showing the set head or speed stage.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo plug
Thermal insulation shell	As accessory
Blocking-current proof motor	yes
Particle filter	yes

Connectivity

Digital input	Ext. OFF (via accessories Wilo-Connect module Yonos MAXO)
Digital output	SSM SSM/SBM (via accessories Connect module Yonos MAXO)

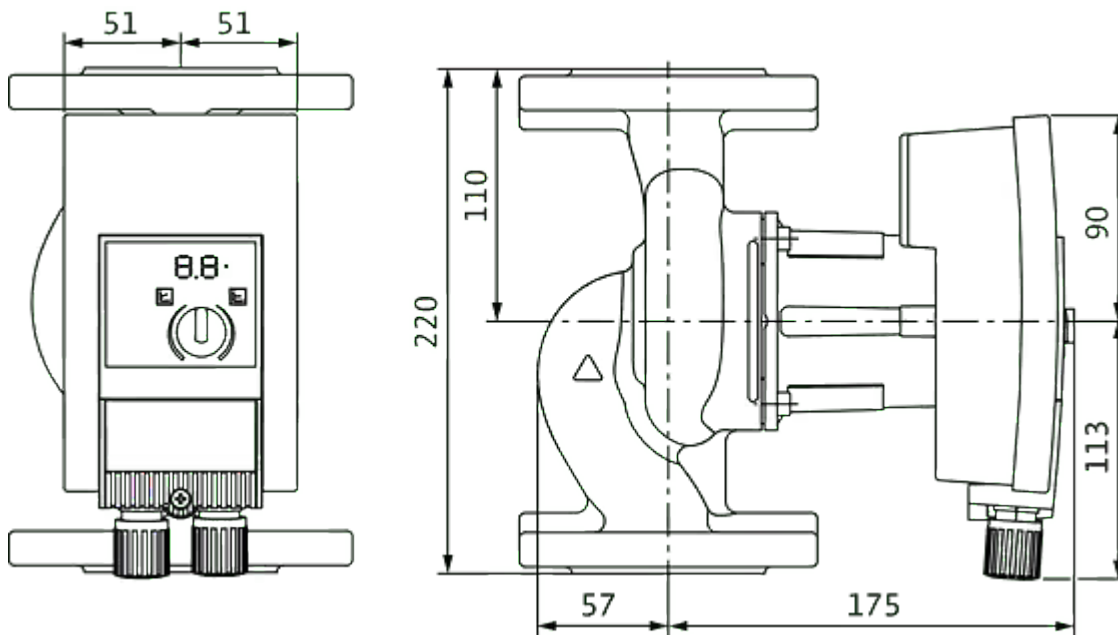
Pump curves



Fluid media	Water 100 %
Fluid temperature T	20.00 °C

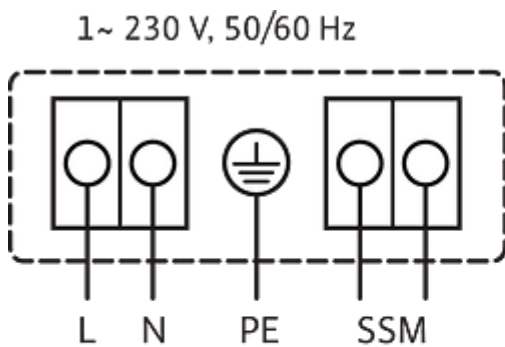
Dimensions and dimensions drawings

Yonos MAXO 40/0,5-4

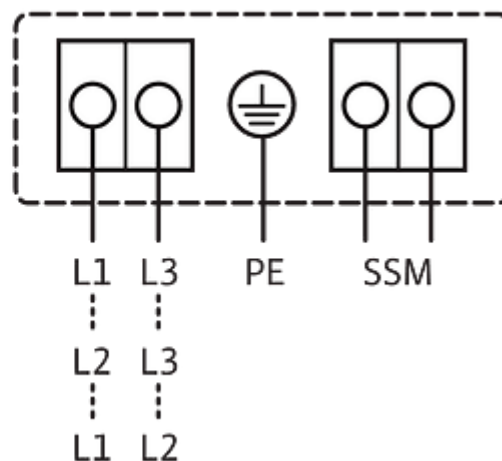


Wiring diagram

1~230V, 50/60 Hz



3~230 V, 50/60 Hz



SSM: Collective fault signal

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

Standard: 1~230 V, 50/60 Hz

Option: 3~230 V, 50/60 Hz