



Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Head max H_{max}	12,9 m
Flow max Q_{max}	31,2 m ³ /h
Minimum suction head at 50 °C m	5 m
Minimum suction head at 95 °C m	12 m
Minimum suction head at 110 °C	18 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
Mains connection	1~230 V ±10%, 50/60 Hz
Min current I_{min}	0,17 A
Max current I_{max}	2,65 A
Rated power P_2	500 W
Min. speed n_{min}	950 1/min
Max. speed n_{max}	4600 1/min
Power consumption $P_{1 min}$	15 W
Power consumption $P_{1 max}$	600 W
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference resistance	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Threaded cable connection	2 x M20x1.5
Insulation class	F
Protection class	IPX4D

Materials

Pump housing	Grey cast iron
Impeller	PPS-GF40
Shaft	Stainless steel
Bearing	Carbon, synthetic resin-impregnated

Installation dimensions

Pipe connection on the discharge side <i>DNd</i>	DN 50
Pipe connection on the suction side <i>DNs</i>	DN 50
Port-to-port length <i>L0</i>	280 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)

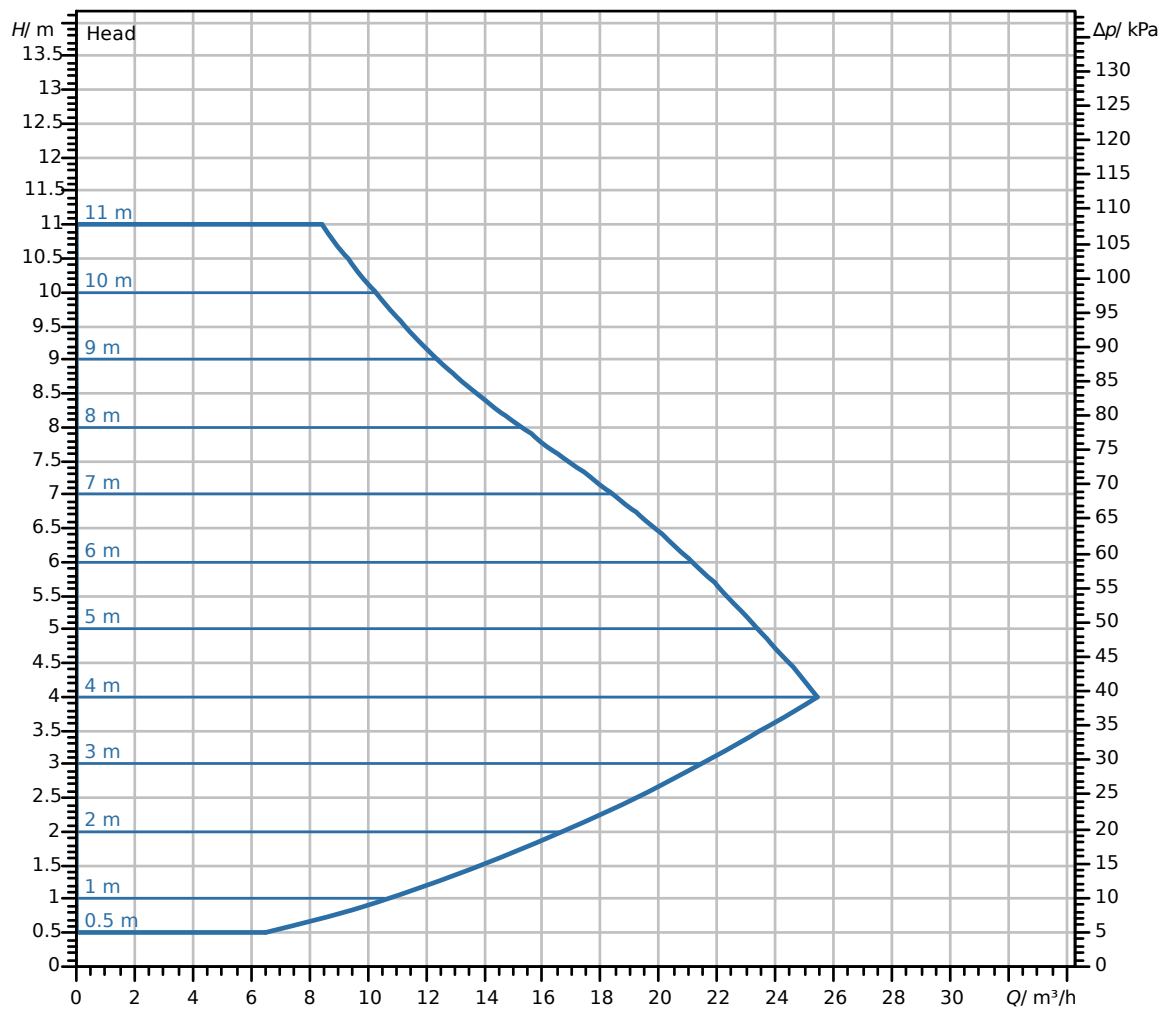
Equipment

Approvals and labels	CE
	VDE
	EAC
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/SBM (via accessories Connect module Yonos MAXO)

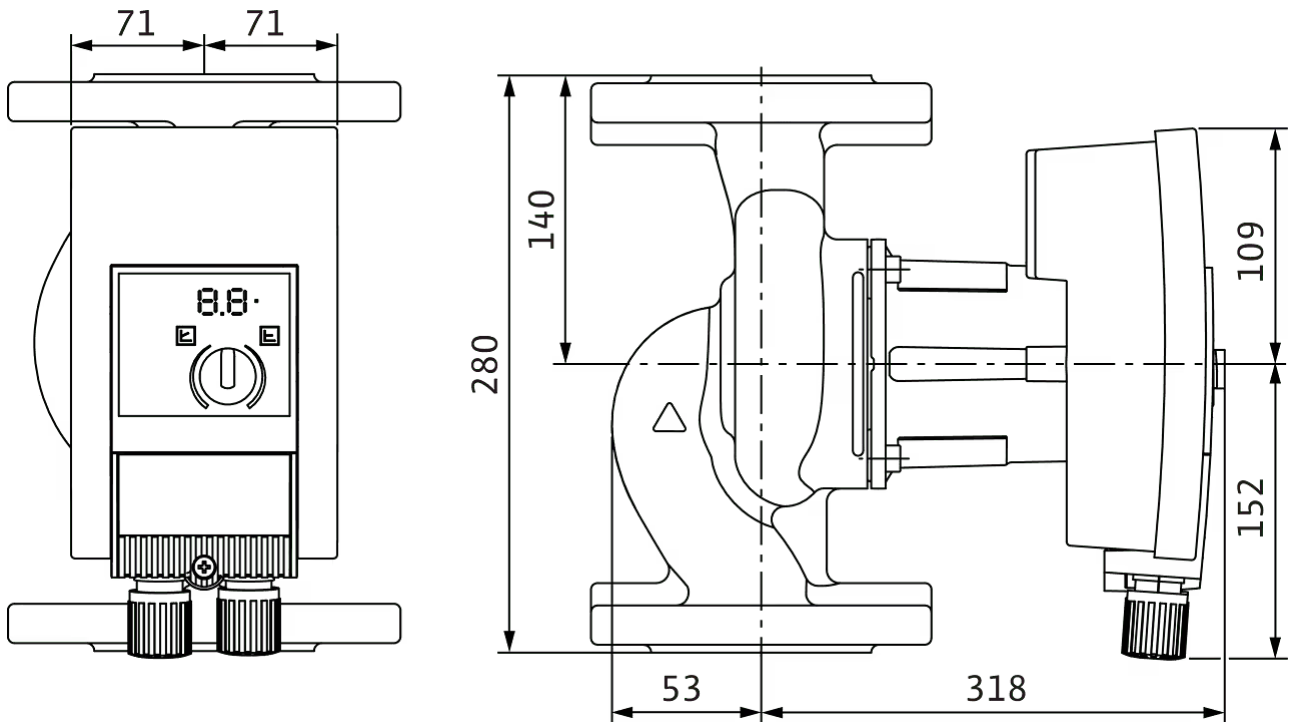
Pump curves



Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	3,809 1/min

Dimensions and dimensions drawings

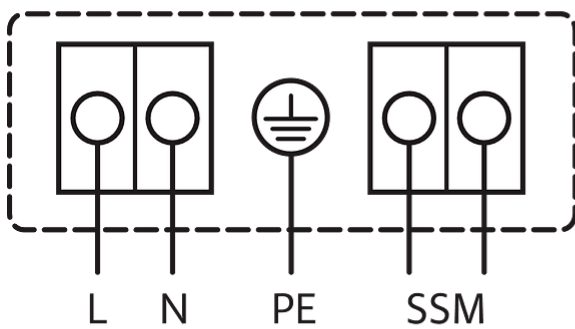
Yonos MAXO 50/0,5-12



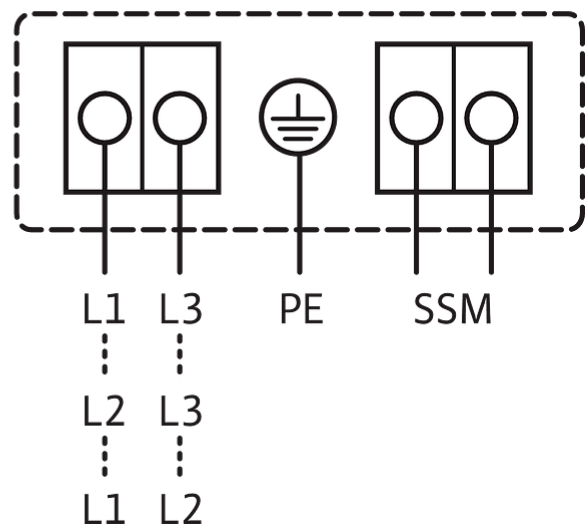
Wiring diagram

1~230V, 50/60 Hz

1~ 230 V, 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