

Data sheet: TOP-Z 80/10

Hydraulic data

Maximum operating pressure P_N	6 bar
Delivery head for Q_{min} H_{Qmin}	9.0
Max. volume flow Q_{max}	67.2
Min. fluid temperature for HVAC applications T_{min}	-20 °C
Max. fluid temperature for HVAC applications T_{max}	110 °C
Min. fluid temperature for domestic hot water applications T_{min}	0
Max. fluid temperature for domestic hot water applications T_{max}	80
Max. fluid temperature for domestic hot water applications in short-time duty 2h T_{max}	110 °C
Min. ambient temperature T_{min}	0 °C
Max. ambient temperature T_{max}	40 °C
Max. permitted total water hardness	3.57 mmol/l (20° dH) (3.21 mmol/l (18° dH) for 20/4 + 25/6)

Materials

Impeller	PPE-GF30
Shaft	1.4122
Bearing	Carbon, synthetic resin-impregnated

Information for order placements

Brand	Wilo
Product description	TOP-Z 80/10
EAN number	4048482742861
Article number	2175532
Net weight, approx. m	33 kg
Gross weight, approx. m	34.5 kg
Length with packaging	470 mm
Height with packaging	385 mm
Width with packaging	320 mm
Packaging property	Transport packaging
Packaging type	Cardboard box
Minimum order quantity	1

Motor data

Mains connection	3~400 V, 50 Hz
Rated power P_2	1100.0 W
Rated current I_N	2.92 A
Max. speed n_{max}	2800 rpm
Power consumption $P_{1 min}$	865.0 W
Power consumption $P_{1 max}$	1440.0 W
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Protection class motor	IPX4D
Insulation class	H
Threaded cable connection	2 x PG13.5
Motor protection	integrated

Installation dimensions

Pipe connection on the suction side	DN 80
D_Ns	
Pipe connection on the pressure side	DN 80
D_Nd	
Port-to-port length l_0	360 mm

Tender text: TOP-Z 80/10

This circulator is suitable only for drinking water.

Can be used for domestic hot water circulation systems in the industry and building services.

Maintenance-free glandless circulator with threaded or flange connection, pre-selectable speed stages for power adjustment.

Equipment and function

- Manual power adjustment with 3 speed stages
- Pumps with 1~ motor:
 - P2 up to 90 W: internal protection against unacceptably high winding temperatures
 - P2 ≥ 180 W: Full motor protection with thermal winding contacts in conjunction with tripping unit (optional: SK 602N/SK 622N)
- Pumps with 3~ motor:
 - P2 up to 90 W: internal protection against unacceptably high winding temperatures
 - P2 ≥ 180 W: Full motor protection with thermal winding contacts in conjunction with tripping unit (optional: SK 602N/SK 622N)
- Mains connection 3~, 230 V with optional switching plug
- Pump housing in red brass or grey cast iron (stainless steel depending on type)
- PN 6/PN 10 combination flange (for DN 40 to DN 65)
- Thermal insulation shells

Operating data		Motor data	
Fluid media	Water	Emitted interference	EN 61000-6-3
Maximum operating pressure <i>PN</i>	6 bar	Interference resistance	EN 61000-6-2
Max. permitted total water hardness	3.57 mmol/l (20 °dH) (3.21 mmol/l (18 °dH) for 20/4 + 25/6)	Mains connection	3~400 V, 50 Hz
		Power consumption <i>P</i> _{1 max}	1440.0 W
		Max. speed <i>n</i> _{max}	2800 rpm
		Rated current <i>I</i> _N	2.92 A
		Protection class motor	IPX4D
		Threaded cable connection	2 x PG13.5
Materials		Installation dimensions	
Impeller	PPE-GF30	Pipe connection on the suction side	DN 80
Shaft	1.4122	<i>DN</i> _s	
Bearing	Carbon, synthetic resin-impregnated	Pipe connection on the pressure side	DN 80
		<i>DN</i> _d	
		Port-to-port length <i>l</i> ₀	360 mm
Information for order placements			
Brand	Wilo		
Product description	TOP-Z 80/10		
Net weight, approx. <i>m</i>	33 kg		
Article number	2175532		

Dimensions and dimensions drawings: TOP-Z 80/10

TOP-Z

