



Similar to figure

Data sheet

Hydraulic data

| | |
|---|---|
| Maximum operating pressure P_N | 10 bar |
| Delivery head for Q_{min} $H_{Q_{min}}$ | 6.0 m |
| Max. volume flow Q_{max} | 5.5 m ³ /h |
| Min. fluid temperature for HVAC applications T_{min} | 0 °C |
| Max. fluid temperature for HVAC applications T_{max} | 65 °C |
| Min. fluid temperature for drinking water applications T_{min} | 0 |
| Max. fluid temperature for drinking water applications T_{max} | 65 |
| Max. fluid temperature for drinking water applications in short-time duty (2 hours) T_{max} | 80 °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) |

Motor data

| | |
|-------------------------------|-------------------------------------|
| Mains connection | 1~230 V, 50 Hz |
| Rated power P_2 | 100 W |
| Rated current I_N | 1 A |
| Max. speed n_{max} | 2390 1/min |
| Power consumption $P_{1 min}$ | 85 W |
| Power consumption $P_{1 max}$ | 200 W |
| Interference emission | EN 61000-6-3 |
| Interference immunity | EN 61000-6-2 |
| Protection class motor | IPX4D |
| Insulation class | H |
| Threaded cable connection | 1 x PG13.5 |
| Motor protection | Internal protection overheating WSK |

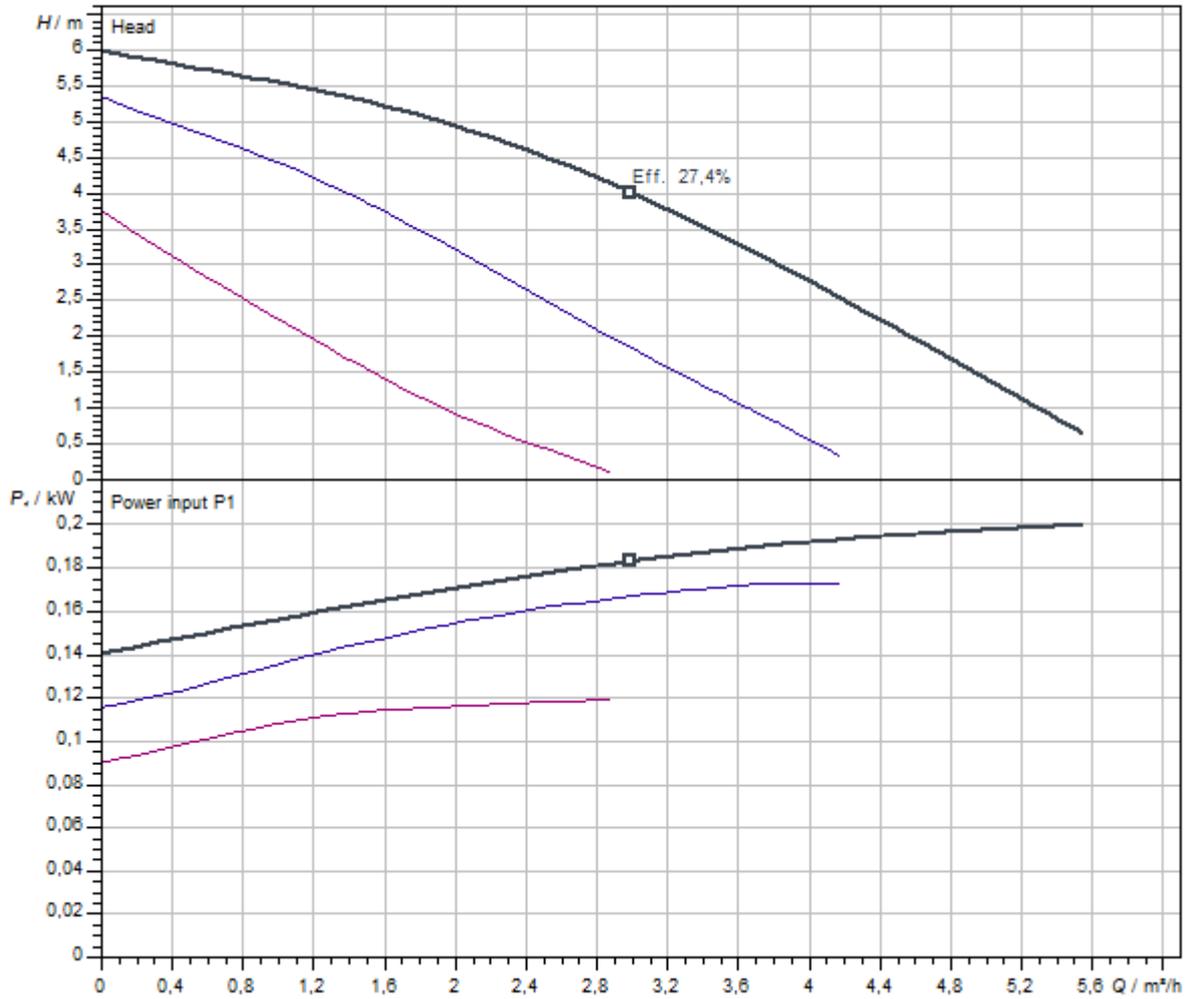
Materials

| | |
|--------------|-------------------------------------|
| Pump housing | Stainless steel |
| Impeller | PPE-GF30 |
| Shaft | Oxide ceramic |
| Bearing | Carbon, synthetic resin-impregnated |

Installation dimensions

| | |
|--|--------|
| Pipe connection on the suction side D_Ns | G 1½ |
| Pipe connection on the discharge side D_Nd | G 1½ |
| Port-to-port length L_0 | 180 mm |

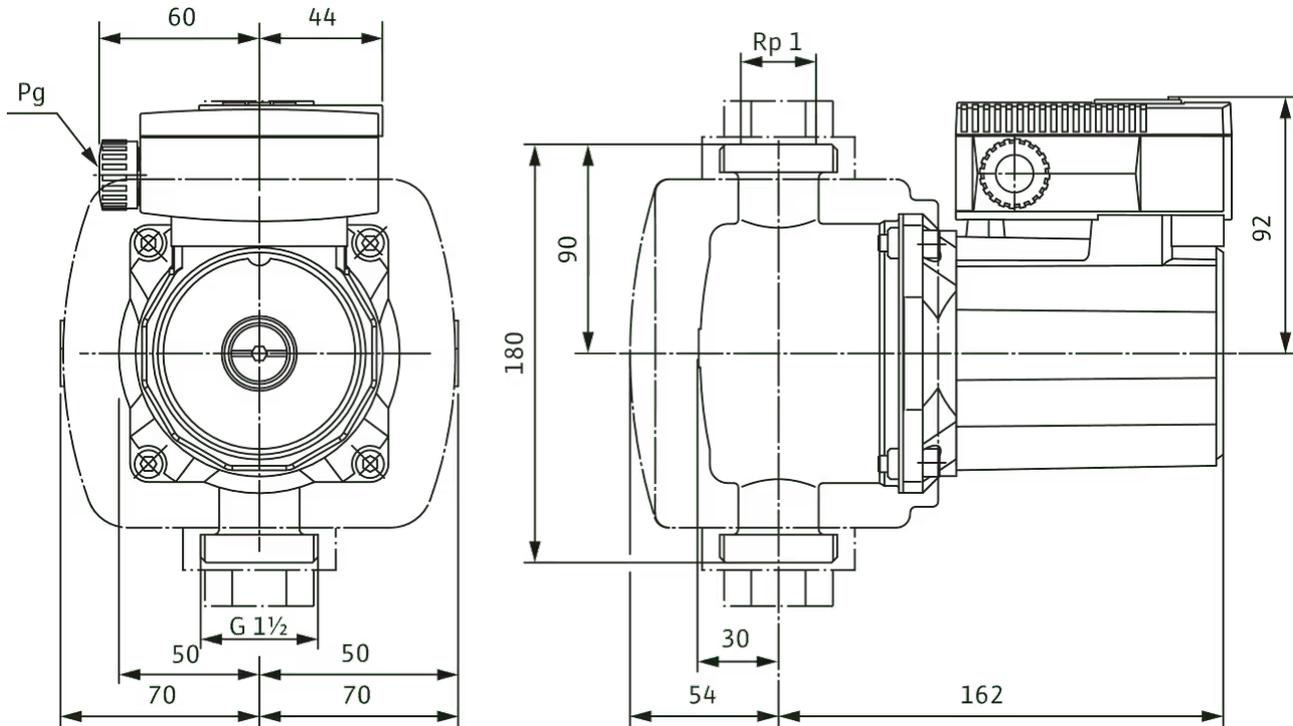
Pump curves



| | |
|--------------------------------------|-------------|
| Fluid media | Water 100 % |
| Fluid temperature T | 20,00 °C |
| speed at duty point $n_{hydr. @ OP}$ | 2.390 1/min |

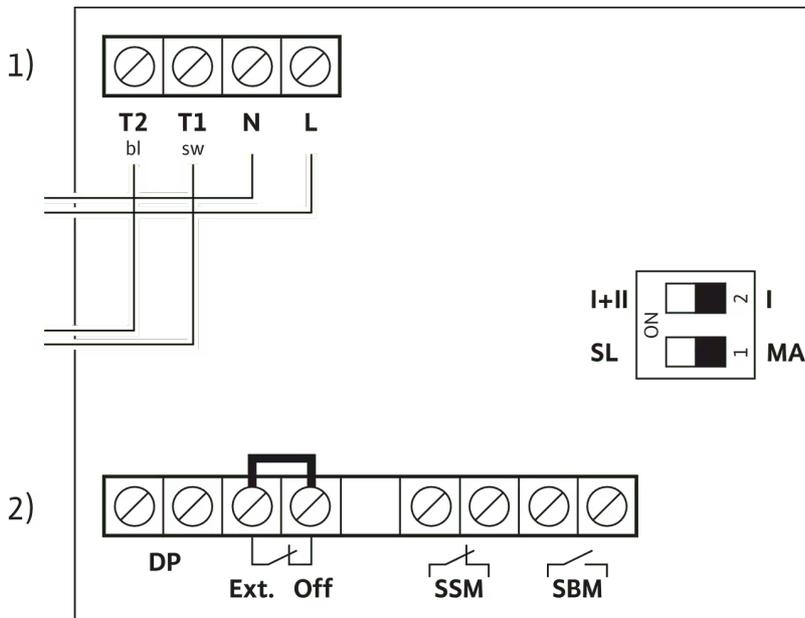
Dimensions and dimensions drawings

TOP-Z



Wiring diagram

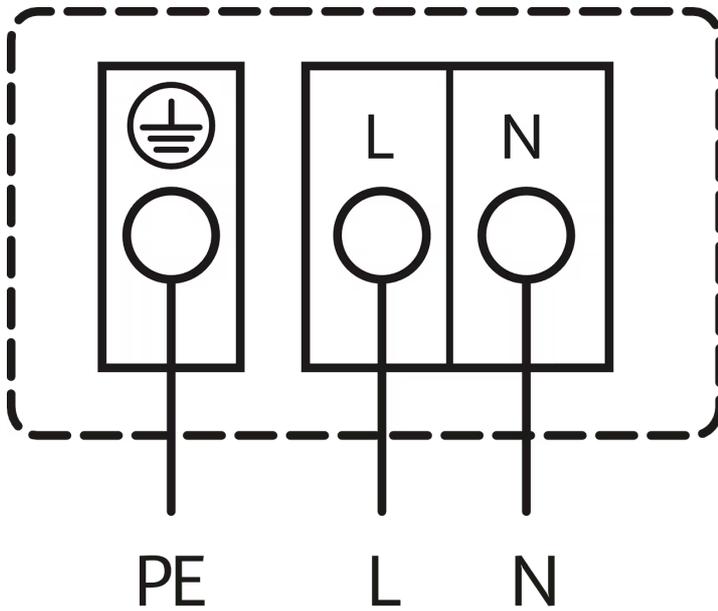
Protect-Modul



- 1) Mains terminals
- 2) Control terminals

Wiring diagram

≤ (P) 90 W



Mains connection 1~230 V, 50 Hz

internal protection against unacceptably high winding temperatures

Triggering: Internal interruption of motor voltage

Reset: Automatic after motor has cooled down

Tender text

This circulator is suitable only for drinking water.

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

Glandless circulator with screwed or flange connection, preselectable 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
- > Pumps with 3~ motor:
 - > P2 up to 90 W: internal protection against unacceptably high winding temperatures
 - > P2 ≥ 180 W: Full motor protection with integrated trip electronics
- > Fault signal light
- > Contact for collective fault signal
- > Direction of rotation signal lamp
- > 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
- > Additional functions by retrofittable Protect Module C:
 - > SSM fault signal as potential-free NC contact
 - > SBM run signal as potential-free NO contact
 - > "Overriding Off" control input via external potential-free contact (NC contact)
 - > Blocking detection
 - > Full motor protection with tripping unit
 - > Fault acknowledgement
- > Dual pump management (two single pumps installed in parallel): Main/standby operation (automatic fault-actuated switchover/time-dependent pump cycling)

Operating Data

| | |
|--|------------|
| Max. fluid temperature T_{\max} | 65 °C |
| Min. fluid temperature T_{\min} | 0 °C |
| Min. ambient temperature T_{\min} | 0 °C |
| Max. ambient temperature T_{\max} | 40 °C |
| Temperature range at max. ambient temperature +40 °C T | -20...+110 |
| Maximum operating pressure PN | 10 bar |

Operating Data

| | |
|-------------------------------------|---|
| Max. permitted total water hardness | 3.57 mmol/l (20°dH) (3.21 mmol/l (18°dH) for 20/4 + 25/6) |
|-------------------------------------|---|

Motor data

| | |
|-------------------------------|----------------|
| Interference emission | EN 61000-6-3 |
| Interference immunity | EN 61000-6-2 |
| Mains connection | 1~230 V, 50 Hz |
| Power consumption $P_{1\max}$ | 200 W |
| Max. speed n_{\max} | 2390 1/min |
| Rated current I_N | 1 A |
| Protection class motor | IPX4D |
| Threaded cable connection | 1 x PG13.5 |

Materials

| | |
|--------------|-------------------------------------|
| Pump housing | Stainless steel |
| Impeller | PPE-GF30 |
| Shaft | Oxide ceramic |
| Bearing | Carbon, synthetic resin-impregnated |

Installation dimensions

| | |
|---|--------|
| Pipe connection on the suction side DNs | G 1½ |
| Pipe connection on the discharge side DNd | G 1½ |
| Port-to-port length $L0$ | 180 mm |

Ordering information

| | |
|-------------------------|--|
| Brand | Wilo |
| Product description | TOP-Z 25/6 (1~230 V, PN 10, Inox) |
| Net weight, approx. m | 3.4 kg |
| Article number | 2045521  |