

# Yonos PICO-Z 25/0,5-6 130

Glandless pump circulator

**Article number:** 4255416

## Data sheet

### Hydraulic data

| | |
|---|---|
| Maximum operating pressure *PN* | 10 bar |
| Max. fluid temperature $T_{max}$ | 95 °C |
| Min. fluid temperature $T_{min}$ | 2 °C |
| Min. ambient temperature $T_{min}$ | -10 °C |
| Max. ambient temperature $T_{max}$ | 40 °C |
| Temperature range at max. ambient temperature +40 °C *T* | +2...+70 °C |
| Max. permitted total water hardness | 3.57 mmol/l (20°dH) |

### Motor data

| | |
|---|---|
| Mains connection | 1~230 V, 50/60 Hz |
| Rated power $P_2$ | 30 W |
| Rated current $I_N$ | 0.44 A |
| Min. speed $n_{min}$ | 700 1/min |
| Max. speed $n_{max}$ | 4200 1/min |

### Motor data

| | |
|---|---|
| Power consumption $P_{1\ min}$ | 4 W |
| Power consumption $P_{1\ max}$ | 40 W |
| Emitted interference | EN 61000-6-3 |
| Interference resistance | EN 61000-6-2 |
| Electromagnetic compatibility | EN 61800-3 |
| Insulation class | F |
| Protection class motor | IPX4D |
| Speed control | Frequency converter |
| Motor protection | integrated |

### Materials

| | |
|---|---|
| Pump housing | Stainless steel |
| Impeller | PPO-GF30 |
| Shaft | Oxide ceramic |
| Bearing | Carbon-graphite |

### Installation dimensions

| | |
|---|---|
| Port-to-port length *L0* | 130 mm |

## Equipment/function

### Function

| | |
|---|---|
| Control mode | Δp-c for constant differential pressure<br>Constant speed (3 speed stages)<br>Constant speed (n-const.) |
| Display | Actual volume flow<br>Actual power consumption |
| Pump venting function | Manual |

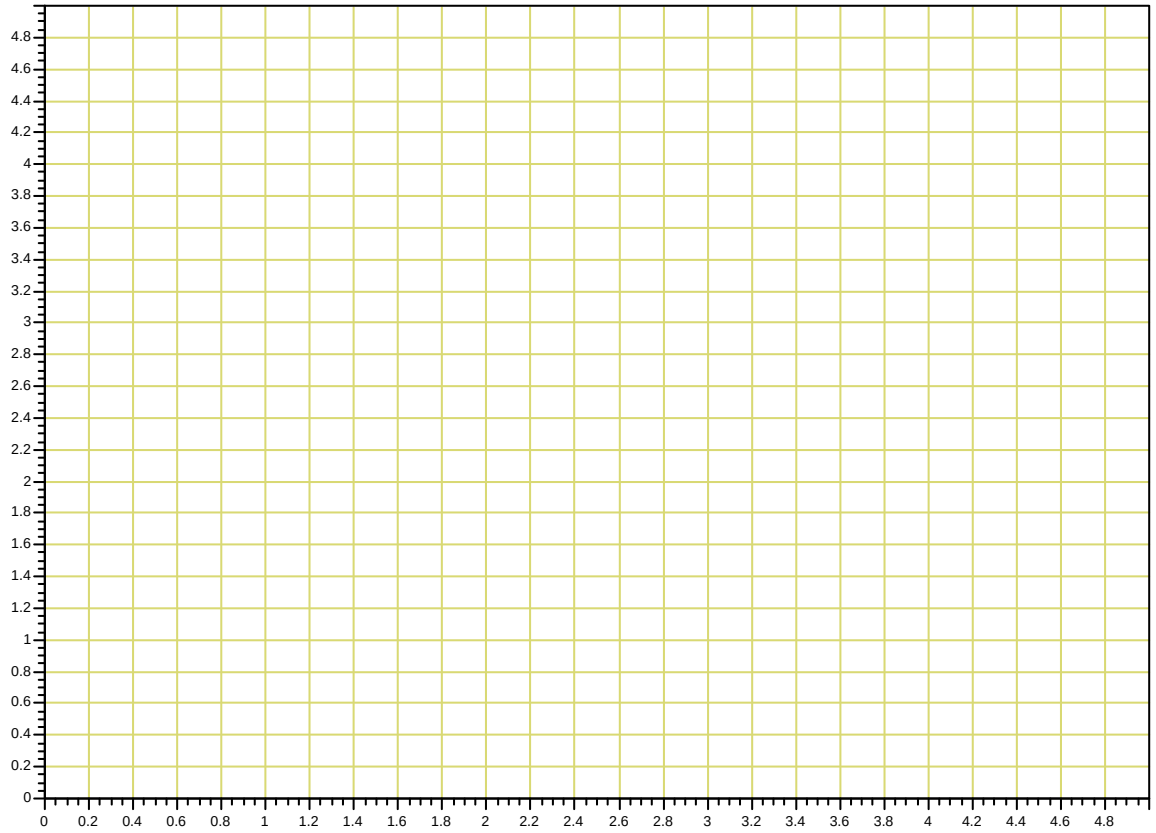
### Equipment

| | |
|---|---|
| Approvals and labels | CE<br>VDE<br>EAC<br>UKCA<br>TR<br>RCM |

### Equipment

| | |
|---|---|
| Display | LED segment display |
| Display information | Basic Versio n: LED display (small) for showing the set head or speed stage. |
| Pump control | Electronic-controlled pump |
| Quick electrical connection | Wilo Connector |
| Thermal insulation shell | Yes |
| Operating elements | Green button |

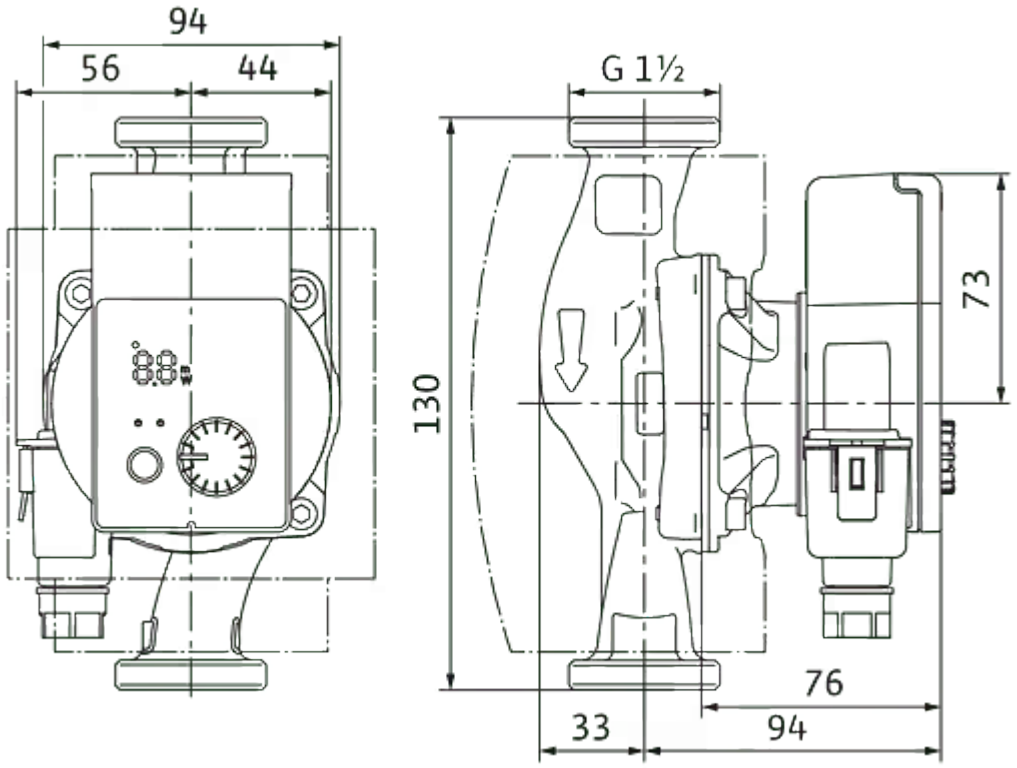
## Pump curves




| | |
|---|---|
| Fluid media | Water 100 % |
| Fluid temperature *T* | 20.00 °C |

## Dimensions and dimensions drawings

### Yonos PICO-Z 25/0,5-6 130




## Tender text

This circulator is suitable only for drinking water.

Maintenance-free domestic hot water circulator (glandless pump version) with screwed connection, blocking-current proof synchronous motor according to ECM technology and built-in electronic power control for continuous differential pressure control. Suitable for all domestic hot water systems (+2 to +95 °C).

**Standard-equipped with:**

- Preselectable control modes for optimum load adjustment:
  - Δp-c for constant differential pressure
  - Constant speed (3 constant speed stages)
  - Constant speed (continuously adjustable)
- LED display for setting the setpoint, displaying current consumption in watts and flow rate in $m^3/h$, as well as displaying fault and warning messages (error codes)
- Integrated motor protection
- Automatic deblocking function
- Manual pump venting function for venting the rotor chamber
- Manual restart
- Pump housing made of stainless steel
- Quick electrical connection with Wilo-Connector
- Thermal insulation shell

## Operating data

| | |
|---|---|
| Max. fluid temperature $T_{max}$ | 95 °C |
| Min. fluid temperature $T_{min}$ | 2 °C |
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| Max. ambient temperature $T_{max}$ | 40 °C |
| Temperature range at max. ambient temperature +40 °C *T* | +2...+70 °C |
| Maximum operating pressure *PN* | 10 bar |
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## Motor data

| | |
|---|---|
| Emitted interference | EN 61000-6-3 |
| Interference resistance | EN 61000-6-2 |
| Mains connection | 1~230 V, 50/60 Hz |
| Power consumption $P_{1\ max}$ | 40 W |
| Max. speed $n_{max}$ | 4200 1/min |
| Rated current $I_N$ | 0.44 A |
| Protection class motor | IPX4D |
| Threaded cable connection | 1 x PG11 |

## Materials

| | |
|---|---|
| Pump housing | Stainless steel |
| Impeller | PPO-GF30 |
| Shaft | Oxide ceramic |
| Bearing | Carbon-graphite |

## Ordering information

| | |
|---|---|
| Brand | Wilo |
| Product description | Yonos PICO-Z 25/0,5-6 130 |
| Net weight, approx. *m* | 1.5 kg |
| Article number | 4255416 |

## Installation dimensions

| | |
|---|---|
| Pump connection | G 1½ |
| Pump connection (alternative designation) | RP 1<br>DN 25 |
| Port-to-port length *L0* | 130 mm |

# Mechanical accessories

| Product description | Article number |
|---|---|
| **Screwed connection R 1/∅ 28 i x G 1½, 1 Set** | 112047195 |
| **Screwed connection R 1/∅ 28 i x G 1½, 24 Set** | 112047596 |
| **Adapter G 1½/G 2** | 4105914 |
| **Threaded adapter R 5, MS** | 110678298 |
| **Threaded adapter R 12, MS** | 110788294 |

# Electrical accessories

| Product description | Article number |
|---|---|
| **Switchgear SK 601N** | 2120443 |
| **Wilo-Connector** | 4200870 |