

## Wilo-Star-Z





### Your advantages

- > AC pumps with electrical quick connection
- > All components that come in contact with the fluid comply with the latest directives.

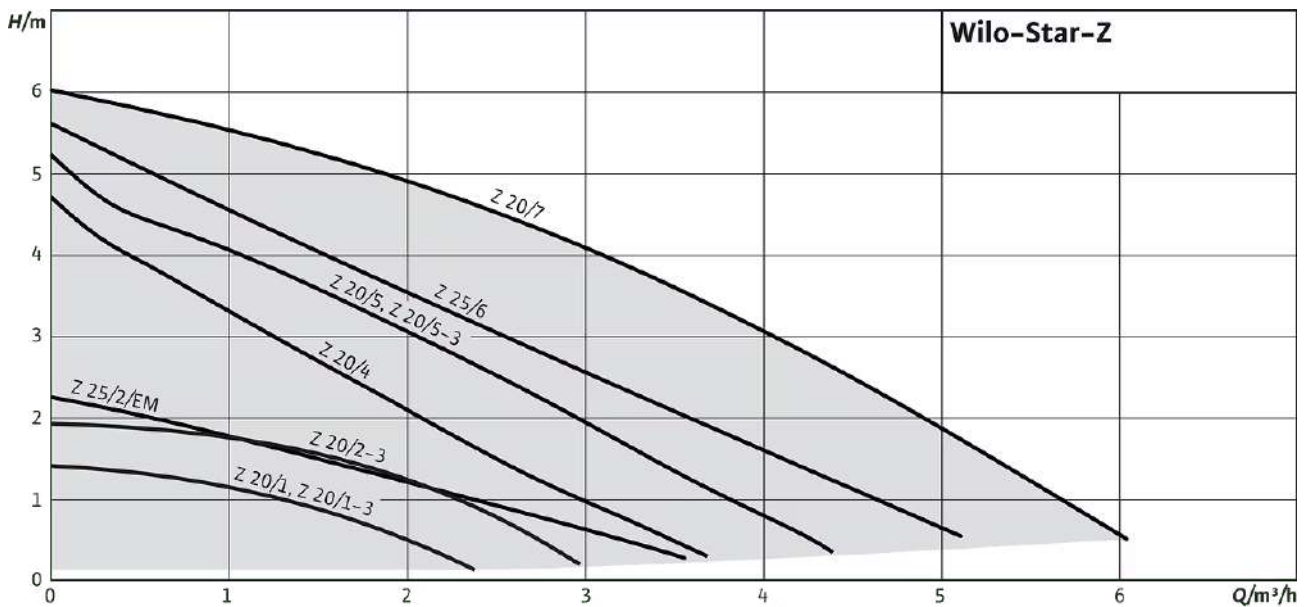
### Recommended services



System Optimisation



Energy Solutions



### Design

Glandless circulator with threaded connection

### Application

Domestic hot water circulation systems in building services and industry.

### Equipment/function

#### Operating modes

- > Speed stage switching (Star-Z...-3 only)

#### Manual functions

- > Setting of the speed stages (1 speed stage, 3 speed stages with Star-Z...-3 pumps)

### Equipment

- > Wrench attachment point on the pump body (Star-Z 25 only)
- > Cable inlet possible from both sides
- > quick connection with spring clips
- > Blocking-current proof motor

### Typekey

Example: Wilo-Star-Z 20/1

**Star**

Standard pump

**Z**

Circulation pump

**20/**

Nominal connection diameter

**1**

Nominal delivery head [m]

## Technical data

- Constant speed or, for Star-Z...-3, three selectable speed stages
- Fluid temperature:
  - Drinking water up to 3.21 mmol/l (18 °dH): max. +65 °C, in short-time duty (2 h) up to +70 °C
- Mains connection 1~230 V, 50 Hz
- Protection class IP44
- Nominal diameter G1, G1¼, G1½
- Max. operating pressure 10 bar

## Materials

- Pump housing: Bronze
- Impeller: Plastic
- Shaft: Oxide ceramic
- Bearing: Carbon, synthetic resin impregnated

## Scope of delivery

- Pump
- Gaskets for threaded connection
- Installation and operating instructions

## Accessories

- Screwed connections
- Adapter fittings
- Thermal insulation shells for Star-Z 20, 25
- Special brass inserted parts for screw-end pumps:
  - Male thread/inner soldering connection
- Wilo-S1R-h switchgear plug-in module for Star-Z 20/1, Z 25/2 EM (single-phase version)
- Wilo-SK 601N switchgear in connection with Wilo-SK 602N (as contactor) for Star-Z 25/2 DM (three-phase version)
- Wilo-SK 601N switchgear for timed On/Off switching for Star-Z 20, 25

## Product list

Product description	Pump connection	Port-to-port length L <sub>0</sub>	Maximum operating pressure PN	Mains connection	Gross weight, approx. m	Pieces per pallet	Article number
Star-Z 20/1	G 1	140 mm	10 bar	1~230 V, 50 Hz	2.3 kg	256	4028111
Star-Z 20/1(15-130)	G 1	130 mm	10 bar	1~230 V, 50 Hz	2.3 kg	256	4232172
Star-Z 20/1-3(15-130)	G 1	130 mm	10 bar	1~230 V, 50 Hz	2.3 kg	256	4232178
Star-Z 20/2-3(15-130)	G 1	130 mm	10 bar	1~230 V, 50 Hz	2.3 kg	256	4232196
Star-Z 20/4-3	G 1¼	150 mm	10 bar	1~230 V, 50 Hz	2.4 kg	256	4081193
Star-Z 20/5-3	G 1¼	150 mm	10 bar	1~230 V, 50 Hz	2.5 kg	256	4081198
Star-Z 20/5-3(158)	G 1¼	158 mm	10 bar	1~230 V, 50 Hz	2.5 kg	256	4232265
Star-Z 20/7-3	G 1¼	150 mm	10 bar	1~230 V, 50 Hz	2.9 kg	256	4081203
Star-Z 25/2	G 1½	180 mm	10 bar	1~230 V, 50 Hz	2.5 kg	256	4029062
Star-Z 25/6-3	G 1½	180 mm	10 bar	1~230 V, 50 Hz	2.7 kg	256	4047573

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