

### Practical advice

#### Electrical connection

Connect the electric cables and earthing with a slight sag to the terminal strip, and plug in according to the marking.

- L - phase
- N - neutral conductor
- ⏚ - earthing

External electric protection is not required.

The pump motor can be placed freely at 90° to the pump body, nevertheless it is important that the cable lead is not turned upwards and the terminal box is not located below the motor (see figures 2, A1, A2, A3, A4).

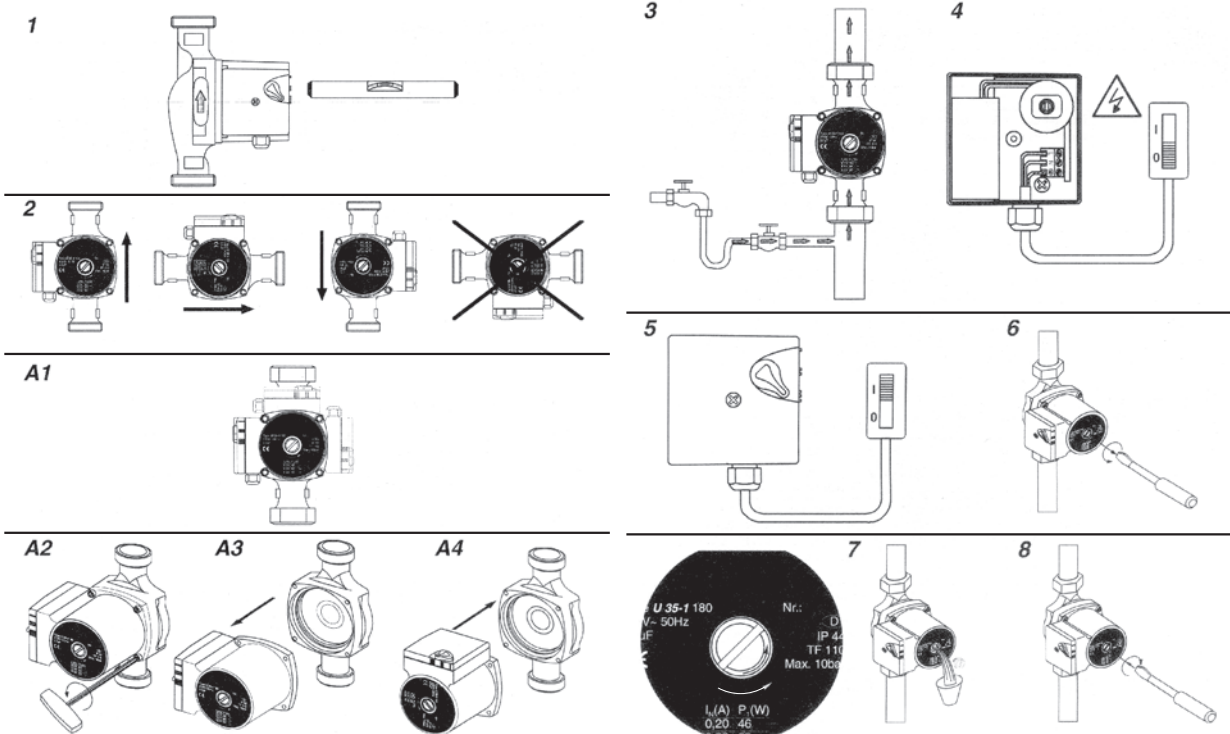
The terminal box connection and the contacts between the box and the motor winding must be protected against humidity. It is forbidden to mount pumps in high humidity rooms.

#### Starting the pump

In order to reduce the noise, which is caused by the presence of air in a pump, it is necessary to vent the pump properly.

Therefore you should:

- fill the installation with a heating medium
- vent the installation
- open radiator valves to make sure if there is flow in the installation
- start the pump
- change over to the max. rotational speed (speed III)
- twist off the bleeder screw allowing the free flow of air
- eventually turn on the rotational speed



#### Pump operation

The pump does not require any operation while it is on.

The flow can be controlled by changing the rotational speed with a switch located on the electric box. Adjustments can be made while the pump is operating.

### Central heating circulation pumps

SCR 40 - SCR 60 - SCR 80

#### Technical data

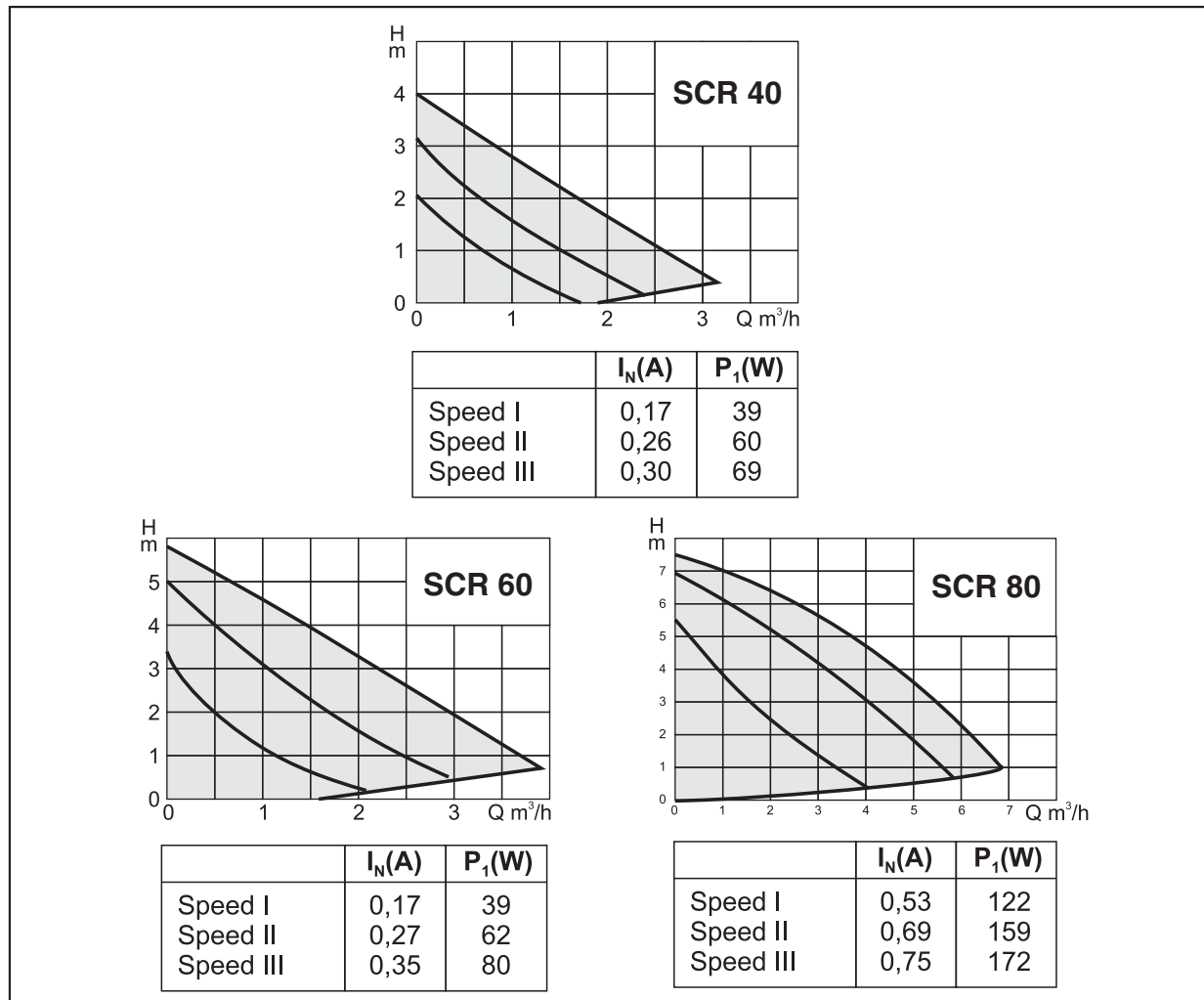
- single-phase motor with a wet rotor
- three rotational speeds
- operating voltage: 1 x 230 V~50 Hz
- max. operating pressure: 10 bar
- media temperature: 5°C to 110°C max.
- ambient temperature: 40°C max.
- protection type: IP 44
- connection: external thread GZ 1", 1 1/4", 1 1/2" (standard), 2"
- length: 180 mm (standard), 130 mm, 110 mm (brass)



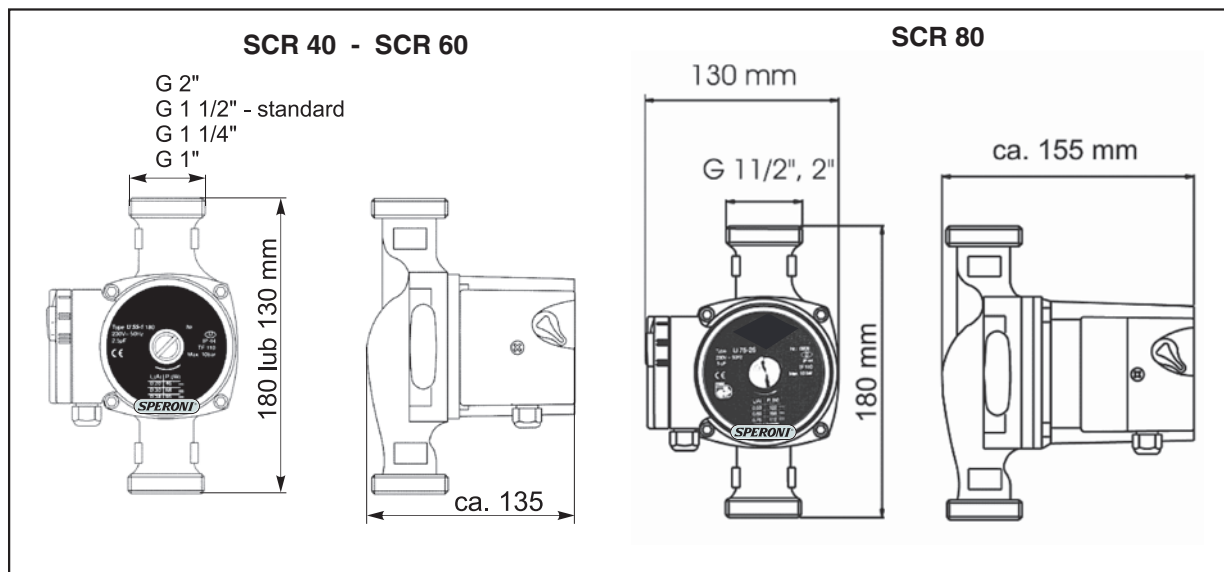
The pump has been created to pump warm water in central heating systems, however it can be used to pump liquid media in industrial and commercial usage. The pump may also be a part of a solar heating installation.

The articles are manufactured from the highest quality cast iron and chrome-nickel steel, which guarantees that the products are of high quality. The product has a ceramic bearing ring and a rotor disk made of technical polymer.

#### Pumps' characteristics



## Dimension illustration



### SCR 40

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
SCR 15/40-130	Cast iron	130	15	G 1"	4	28-63
SCR 20/40-130	Cast iron	130	20	G 1 1/4"	4	28-63
SCR 25/40-130	Cast iron	130	25	G 1 1/2"	4	28-63
SCR 20/40-180	Cast iron	180	20	G 1 1/4"	4	28-63
SCR 25/40-180	Cast iron	180	25	G 1 1/2"	4	28-63
SCR 32/40-180	Cast iron	180	32	G 2"	4	28-63

### SCR 60

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
SCR 15/60-130	Cast iron	130	15	G 1"	6	39-80
SCR 20/60-130	Cast iron	130	20	G 1 1/4"	6	39-80
SCR 25/60-130	Cast iron	130	25	G 1 1/2"	6	39-80
SCR 20/60-180	Cast iron	180	20	G 1 1/4"	6	39-80
SCR 25/60-180	Cast iron	180	25	G 1 1/2"	6	39-80
SCR 32/60-180	Cast iron	180	32	G 2"	6	39-80

### SCR 80

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
SCR 25/80-130	Cast iron	130	25	G 1 1/2"	8	122-170
SCR 32/80-130	Cast iron	130	32	G 2"	8	122-170
SCR 25/80-180	Cast iron	180	25	G 1 1/2"	8	122-170
SCR 32/80-180	Cast iron	180	32	G 2"	8	122-170