

## Heating pump assembly PrimoTherm® 180-1 DN 25 GP

Part no. 77645

Heating pump assembly



### benefits

- pre-assembled, tightness-tested and heat-insulated assembly
- modular system with flow at left or right
- easy, fast mounting
- with high-efficiency pump class A
- eligible for heating optimization program (BAFA)

### Application

Heating pump assembly for use in non-mixed heating circuits, specially for storage tank charging. It connects the heating boiler and the pipe system.

### Description

Complete, pre-assembled and tightness-tested heating pump assembly with all required functional components, form-fit insulation and wall mounting unit.

The pump line (flow/hot) consists of:

Combination valve with thermometer in the hand wheel (red mark, range 0/120 °C)

Ball valve below the pump

Pipe for length compensation with screw connection

System connection G1½ male (boiler), G1 female (heating circuit)

Suitable for pumps DN 25 with G1½ x 180 mm.

The return line consists of:

Combination valve with gravity brake, thermometer in the handle (blue mark, range 0/120 °C)

Pipe for length compensation (pump/mixer) with screw connection

System connection G1½ male (boiler), G1 female (heating circuit)

### Technical Specifications

#### Axis distance

125 mm

#### system connections

Boiler: G1½ male

Heating circuit: G1 female

**Operating temperature range**

Medium: max. 110 °C

**System pressure**

max. 10 bar

**Nominal size**

DN 25

**Flow coefficient Kvs**4.8 m<sup>3</sup>/h**Insulation**

Polypropylene EPP

**Dimensions**

W x H x D: 250 x 475 x 152 mm

**Circulation pump**

Grundfos UPM3 HYBRID 25-70/180

**Length**

180 mm

**Degree of protection**

IP 44 (EN 60529)

**Supply voltage**

AC 230 V, 50 Hz

**Options**

- Mixer and actuator, can be retrofitted
- other circulation pumps

**Energy efficiency class**

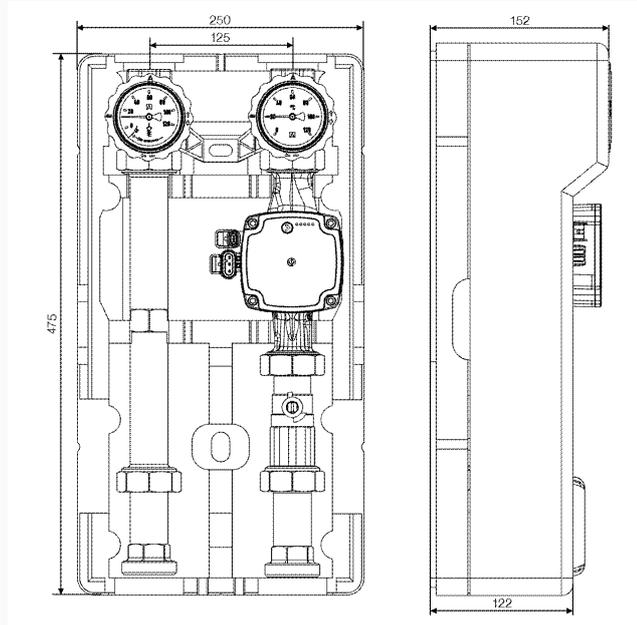
A

**Power input**Grundfos UPM3 HYBRID 25-70/180  
2 – 52 W**pumping head**Grundfos UPM3 HYBRID 25-70/180  
7 m**pumping volume**Grundfos UPM3 HYBRID 25-70/180  
max. 3.6 m<sup>3</sup>/h**operating modes/settings**Grundfos UPM3 HYBRID 25-70/180  
PWM-A (4),  
PWM-C (4),  
constant volume flow PP (3),  
constant pressure CP (3),  
constant speed of rotation (3)**Options**

- Mixer and actuator, can be retrofitted
- other circulation pumps

**Technical Drawings**

**PrimoTherm® 180-1 with Grundfos pump**



**Dimensions (in mm)**

**Versions**

	opening temperature is reached	Pump		Part no.
Heating pump assembly PrimoTherm® 180-1 DN 25 GP		Grundfos UPM3 HYBRID 25-70/180	●	77645

- in-stock items
- Non-stock items