



## Heating pump assembly PrimoTherm® 180-3 DN 25 RTA 60 WP

**Part no. 77570**

**Heating pump assembly**

### benefits

- for increased return temperature with solid fuel boilers
- with temperature-controlled condensation protection valve
- for reduced amounts of condensate in the combustion process
- avoids deposits in the boiler and in the smoke vent
- eligible for heating optimization program (BAFA)

### Application

Heating pump assembly for automatically controlling the return temperature of the system water to the heat generator to the value adjusted in the valve. An integrated, temperature-controlled condensation protection valve is the connection between the solid fuel heating system and the heating circuit or the hot water storage tank. Using PrimoTherm® 180-3 RTA keeps the temperature in the heating boiler above the condensation point in all operating states. This avoids deposits in the boiler and in the smoke vent and increases the service life of the system; corrosion damage of the heating boiler and chimney fires caused by soot deposits are avoided.

### Description

Complete, pre-assembled and tightness-tested heating pump assembly with all required functional components, form-fit insulation and wall mounting unit. With an additional mounting bracket, the unit can be mounted in any position (vertically/horizontally).

#### The return line consists of:

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

Ball valve above the pump

3-way mixing valve with fixed mixing temperature 60 °C

System connection G1 female (boiler), G1 female (storage)

Suitable for pumps DN 25 with G1½ x 180 mm.

#### The flow line (hot) consists of:

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

Pipe for length compensation with screw connection

System connection G1 female (boiler), G1 female (storage)

### Technical Specifications

**Axis distance**

125 mm

**system connections**

Boiler: G1 female

Heating circuit: G1 female

**Operating temperature range**

Medium: max. 100 °C

**System pressure**

max. 10 bar

**Nominal size**

DN 25

**System capacity**max. 32 kW at a flow rate of 1,400 l/h and a temperature spread of  $\Delta t$  20 K**Leak rate**

water-tight between connections A-&gt;AB

**Heat insulation**

Polypropylene EPP

**Options**

- other opening temperatures
- other circulation pumps

**Dimensions**

W x H x D: 250 x 475 x 153 mm

**Circulation pump**

Wilo Yonos Para 25/6 RKC

**Length**

180 mm

**Supply voltage**

AC 230 V, 50 Hz

**Energy efficiency class**

A

**Power input**

3 – 45 W

**pumping head**

6.2 m

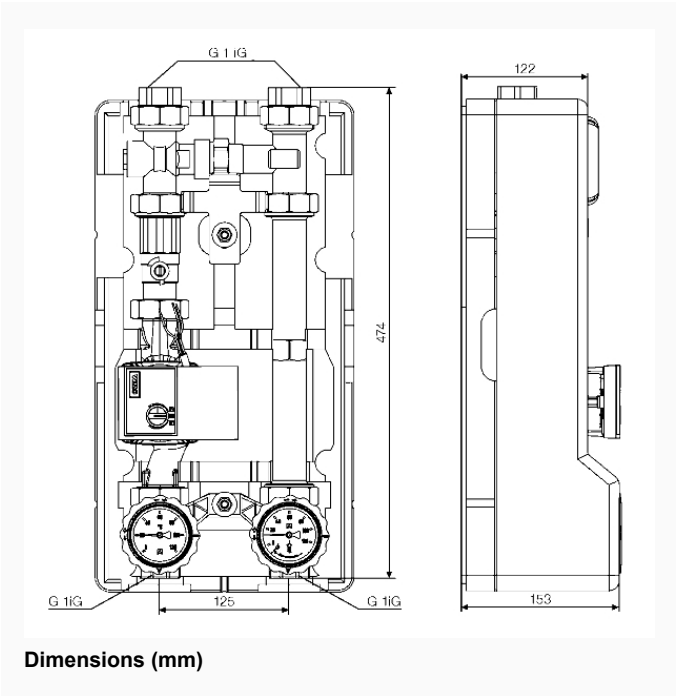
**pumping volume**

3.3 m³/h

**Options**

- other opening temperatures
- other circulation pumps

Technical Drawings



Versions

|                                                               | opening temperature is reached | Pump                        |   | Part no. |
|---------------------------------------------------------------|--------------------------------|-----------------------------|---|----------|
| Heating pump assembly<br>PrimoTherm® 180-3 DN<br>25 RTA 60 WP | 60 °C                          | Wilo Yonos Para 25/6<br>RKC | ● | 77570    |

- in-stock items
- Non-stock items