

## Instruction sheet for SATK60193HE

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### SATK60 series

#### Product range

Cod. SATK60193HE recess mounted heat interface unit for indirect heating, 40 kW heat exchanger, heating circuit regulating temperature 25–45 °C (low temperature range) or 45–75 °C (high temperature range).

#### Function

The heat interface unit code SATK60193HE is designed to provide indirect heating (hydraulic separation by means of a plate heat exchanger) to both low temperature and high temperature heating systems. SATK60193HE does not need any dedicated connection kit and can be used to replace existing old recessed modules.

#### Specifications

For functional and performance-related features, please refer to the instruction sheet code 78202 and technical brochure 01212 supplied with the module. The product corresponding to SATK60193HE is code SATK60103HE

Code for replacement of existing modules	Standard code	Main specifications
<b>SATK60193HE</b>	SATK60103HE	Heating range 25-75 °C

#### DHW production and optional functions

Code	DHW temperature and flow rate range	Main optional functions
<b>SATK60193HE</b>	42–60 °C max 18 l/min	DHW preheating function

#### Dimensions / electric specifications

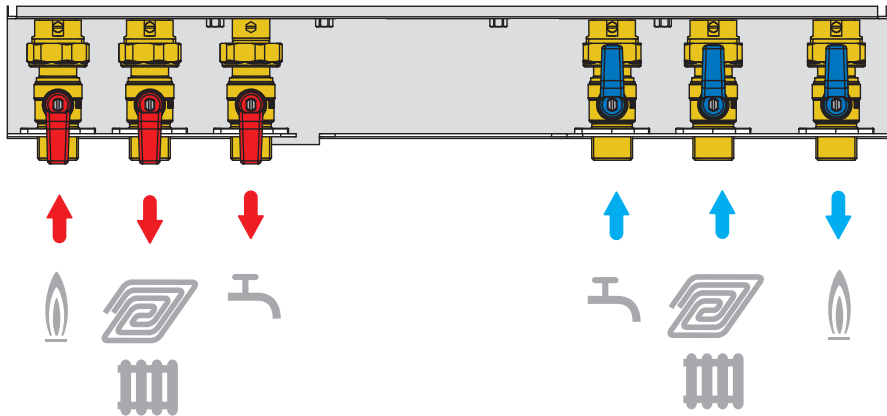
Code	Dimensions (W x H x D)	Electric specifications
<b>SATK60193HE</b>	570 x 590 x 110 mm	Max operating pressure: 16 bar. Power supply 230 V (AC) - 50 Hz. Max power consumption: 80 W

## Installation notes

These instructions must be observed and applied during installation, to prevent problems from arising during fitting or normal operation. Before proceeding with installation, CAREFULLY read brochure 01212 and instruction sheet code 78202 (available on the website [www.caleffi.com](http://www.caleffi.com)). You should therefore:

- A) Carefully measure the dimensions of heat interface unit SATK60 so that it is ideally positioned on the wall.
- B) Use at least 6 wall anchors (not supplied) to secure the SATK60. The wall anchors must be chosen in accordance with the type of structure to which the HIU will be fitted.
- C) The hydraulic connections listed in the “Description of connections” section and indicated must be strictly observed using the means you believe most suitable and reliable for maintaining the hydraulic seal over time.
- D) Fill the system by slowly opening the shut-off valves (not supplied) and venting the HIU using the relevant cocks.
- E) If necessary, enable the domestic hot water preheat function (see instruction sheet 78202). Power up the HIU and proceed with setting the correct DHW and heating set points.

## Description of connections



**When performing the hydraulic and electrical connections, observe all the safety notes provided below**



**WARNINGS**

**These instructions must be read and understood before installing and servicing the device.**

**IMPORTANT! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN A SAFETY HAZARD!**

- 1 The device must be installed, commissioned and maintained by qualified technical personnel in accordance with national regulations and/or relevant local requirements.
- 2 If the device is not installed, commissioned and maintained correctly in accordance with the instructions provided in this manual, in instruction sheet code 78202 and in brochure 01212, it may not work properly and may endanger the user.
- 3 Clean the pipes of any particles, rust, incrustations, limescale, welding slag and any other contaminants. The hydraulic circuit must be clean.
- 4 Make sure that all connection fittings are watertight.
- 5 When performing the hydraulic connections, take care not to subject the threads to excessive mechanical stress. Over time, this could result in breakage, resulting in leaks that cause damage and/or injury.
- 6 Water temperatures higher than 50 °C may cause severe burns. When installing, commissioning and servicing the device, take the necessary precautions so that these temperatures will not be hazardous for people.
- 7 In the case of particularly hard or impure water, adequate water filtration and treatment must be assured upstream from the device inlet, in accordance with current legislation. Otherwise the device may be damaged and will not work properly.
- 8 Any use of the device other than its intended use is prohibited.
- 9 Any combination of the device with other system components must be made taking the operational characteristics of both units into consideration.
- 10 An incorrect combination coupling could compromise the operation of the device and/or system.

**IMPORTANT:** Risk of electric shock. Live parts. Shut off the electric supply before opening the device enclosure.

- 1 During installation and maintenance operations, always avoid direct contact with live or potentially hazardous parts.
- 2 The device must not be exposed to dripping water or humidity, direct sunlight, weather conditions, heat sources or high-intensity electromagnetic fields. This device cannot be used in areas at risk of explosion or fire.
- 3 The device must be connected to an independent two-pole switch. If work has to be carried out on the device, cut off the electric supply first. Do not use devices with automatic or time reset, or which may be reset accidentally.
- 4 Use suitable automatic protective devices in accordance with the electrical specifications for the zone in which the device is installed and in compliance with current legislation.
- 5 The device must always be earthed before it is connected to the electric supply. If the device needs to be removed, always disconnect the earth connection after disconnecting the electric supply conductors. Check that the earth connection has been made to the highest of standards under current legislation.
- 6 Electrical installation must only be carried out by a qualified technician, in accordance with legal requirements.
- 7 The appliance does not contain asbestos or mercury.

- 8 The device is not designed for use by persons of reduced mental, physical or sensory capacity (including children) or persons lacking experience, unless they are supervised or instructed in use of the device by a person responsible for their personal safety.

**SAFETY INSTRUCTIONS / NOTES:**

- 1 Install water hammer arrester devices to compensate for any overpressure in the domestic hot water circuit;
- 2 In the presence of hot water recirculation or if a check valve is fitted at the domestic cold water inlet, suitable devices must be used to accommodate the expansion of the medium contained within the system and the heat interface unit;
- 3 All hydraulic connections must be visually checked during pressurisation. Vibration during transport may cause the connections to become loose. If a fitting needs to be tightened apply a proper tightening torque, otherwise the components may be damaged by overtightening.

**For the updated version of the technical documentation refer to [www.caleffi.com](http://www.caleffi.com).**