



# SWH32 Fan Heater

Water heat, SRe

Item number: 4383

## Intelligent fan heater with extremely low sound level, for water connection

SWH is a silent running fan heater with many smart and energy saving functions. The fan heater is supplemented with the SRe control system and can provide fully automatic room heating adaptable according to each unique area of use. SWH is suitable for use in premises where fan heaters are traditionally used, such as industrial buildings, as well as environments with low sound requirements.

The SWH fan heater has an attractive design in white sheet steel to blend into both industrial and shop environments.

- SWH, standard unit.
- SWH EC is equipped with an EC motor and has thus a low energy consumption and adjustable fan steps.



## Technical parameters

| Nominal data                                 |                              |      |
|----------------------------------------------|------------------------------|------|
| Color casing                                 | Traffic white                |      |
| Color casing, NCS                            | NCS S 0500-N                 |      |
| Color casing, RAL                            | RAL 9016                     |      |
| Color, outlet grilles                        | Aluminum / Aluminum          |      |
| Enclosure class                              | IP44                         |      |
| Ambient working temperature (dry conditions) | -20 to 40                    | °C   |
| Dimensions and weights                       |                              |      |
| Width                                        | 820                          | mm   |
| Height                                       | 850                          | mm   |
| Depth                                        | 552                          | mm   |
| Weight                                       | 55                           | kg   |
| Air flow                                     |                              |      |
| Air flow                                     | 6410; 6410; 5200; 5200; 2670 | m³/h |
| Air flow                                     | 6,410                        | m³/h |

| Sound data                                     |                    |       |
|------------------------------------------------|--------------------|-------|
| Sound level                                    | 56; 51; 46; 42; 39 | dB(A) |
| Motor/control supply                           |                    |       |
| Control/motor supply                           | 230                | V     |
| Control/motor current                          | 1.67               | A     |
| Input power (P1), motor                        | 370                | W     |
| Maximum fan impeller speed                     | 910                | rpm   |
| Water data                                     |                    |       |
| Water heating full output 60/40 °C, air +15 °C | 28                 | kW    |
| Pressure drop water 60/40 °C, air +15 °C       | 4.1                | kPa   |
| Water temperature                              | max 150            | °C    |
| Maximum working pressure                       | 10                 | bar   |
| Water volume inside coil                       | 3.8                | L     |
| Dimension water connections                    | DN25               |       |
| nominal size                                   | DN25               |       |

Performance

| Parameter                |             |
|--------------------------|-------------|
| Power                    | 44.82 kW    |
| Air flow                 | 6410 m³/h   |
| Inlet air temperature    | 20 °C       |
| Outlet air temperature   | 40 °C       |
| Water flow               | 0.547 l/s   |
| Air pressure drop        | 48 Pa       |
| Inlet air humidity       | 70.0 % r.H  |
| Outlet air humidity      | 21.0 % r.H  |
| Water pressure drop      | 8.7 kPa     |
| Inlet fluid temperature  | 80 °C       |
| Outlet water temperature | 60 °C       |
| Fluid                    | fluidType_0 |
| Glycol                   | -           |

Energy class label

| Energy class, Local demand |       |    |
|----------------------------|-------|----|
| Heating                    | Water |    |
| Built-in heater (kW)       | 44    | kW |

## Accessories

- SIREBN Basic control system (33481)
- SIRECC605 5m Modular cable (17543)
- SIRECC615 15m Modular cable (17545)
- SIRECJ6 Joint piece RJ12(6/6) (17615)
- SIREFAZ Advanced Fan heater (33485)
- SIREFCZ Competent Fan heater (33483)
- SWD3 Return air intake (10103)
- SWF3 Filter detail (10117)
- SWLR3 Extra air director (10134)
- VLP15NF Valve system DN15 (79376)
- VLP25 Valve system DN25 (79378)
- VLSP15LF Valve system DN15LF (79379)
- VLSP20 Valve system DN20 (79381)
- VLSP32 Valve system DN32 (79417)
- SIRECC603 3m Modular cable (17542)
- SIRECC610 10m Modular cable (17544)
- SIRECC640 40m Modular cable (17773)
- SIREFAY Advanced Fan heater (33484)
- SIREFCY Competent Fan heater (33482)
- SWB3 Mounting brackets (17580)
- SWEF3 Extra filter Coarse 50% (10111)
- SWFTN3 Basic filter SWH32/33 (111302)
- VLP15LF Valve system DN15LF (79375)
- VLP20 Valve system DN20 (79377)
- VLP32 Valve system DN32 (79416)
- VLSP15NF Valve system DN15 (79380)
- VLSP25 Valve system DN25 (79382)

## Documents

- Catalogue pages SWH
- Manual SWH
- Declaration of Conformity SWH
- UKCA Declaration SWH
- WD\_FRICO\_SWH\_161115.PDF

## Specification

Intelligent fan heaters with extremely low sound levels, for water connection.

### Application

SWH belongs to a new generation of intelligent fan heaters with SIRE integrated controls. SWH and SIRE together can provide fully automatic room heating, adaptable to each area of use. SWH is suitable for use in premises where fan heaters are traditionally used, such as industrial buildings, as well as environments with low sound requirements.

### Comfort

With its extremely low sound level SWH is Frico's quietest fan heater. With the integrated SIRE the fan is automatically controlled as required, which reduces the sound levels even further.

### Operation and economy

The SWH fan heater is energy efficient, with the integrated control the fan never uses more energy than is necessary. Eco-mode is available for further energy savings.

The pre-programmed factory settings and calendar function make SWH and SIRE easy to install and use. SWH can be controlled and monitored by the BMS system.

### Design

The SWH fan heater has an attractive design in white sheet steel to blend into both industrial and shop environments.