



# SWH33 Fan Heater

Water heat, low water temp, SIRE

Item number: 4384

## 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 SIRE 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.
- IP44



## 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	58 kg

### Air flow

Air flow	5900; 4450; 3450; 2900; 2250 m <sup>3</sup> /h
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### Sound data

Sound level	55; 50; 45; 41; 38 dB(A)
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**Motor/control supply**

Control/motor supply	230	V
Control/motor current	1.74	A
Input power (P1), motor	390	W
Maximum fan impeller speed	900	r.p.m.

**Water data**

Water heating full output 60/40 °C, air +15 °C	37.1	kW
Pressure drop water 60/40 °C, air +15 °C	6.8	kPa
Water temperature	max 150	°C
Maximum working pressure	10	bar
Water volume inside coil	5.2	L
Dimension water connections	DN25	
DN size	DN25	

## Performance

Parameter	
Power	57.65 kW
Air flow	5900 m <sup>3</sup> /h
Inlet air temperature	20 °C
Outlet air temperature	49 °C
Water flow	0.704 l/s
Air pressure drop	70 Pa
Inlet air humidity	70.0 % r.H
Outlet air humidity	14.0 % r.H
Water pressure drop	14.1 kPa
Inlet water temperature	80 °C
Outlet water temperature	60 °C

## 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
- AUTRES SWH3233 2D DRAWING DWG.DWG
- AUTRES SWH3233 2D DRAWING DXF.DXF
- swh32\_33 2D.dwg
- swh32\_33 2D.dxf
- SWH33 3-D.dxf
- SWH33 3-D.dxf
- Declaration of conformity Fan heaters
- 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.