



SWH12 Fan Heater

Water heat, SIRE

Item number: 4381

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.



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	535 mm
Height	600 mm
Depth	410 mm
Weight	24 kg

Air flow	
Air flow	2540; 2540; 2020; 2020; 1630 m ³ /h
Air flow	760 m ³ /h

Sound data

Sound level	54; 48; 43; 33; 26	dB(A)
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Motor/control supply

Control/motor supply	230	V
Control/motor current	0.64	A
Input power (P1), motor	144	W
Maximum fan impeller speed	1,330	rpm

Water data

Water heating full output 60/40 °C, air +15 °C	10.9	kW
Pressure drop water 60/40 °C, air +15 °C	2	kPa
Water temperature	max 150	°C
Maximum working pressure	10	bar
Water volume inside coil	1.5	L
Dimension water connections	DN20	
nominal size	DN20	

Performance

Parameter	
Power	17.15 kW
Air flow	2540 m³/h
Inlet air temperature	20 °C
Outlet air temperature	40 °C
Water flow	0.209 l/s
Air pressure drop	57 Pa
Inlet air humidity	70.0 % r.H
Outlet air humidity	22.0 % r.H
Water pressure drop	4.5 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)	17 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)
- SWD1 Return air intake (10099)
- SWF1 Filter detail (10113)
- SWLR1 Extra air director (10132)
- 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)
- SWB1 Mounting brackets (17578)
- SWEF1 Extra filter Coarse 70% (10108)
- SWFTN1 Basic filter SWH12 (111300)
- 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.