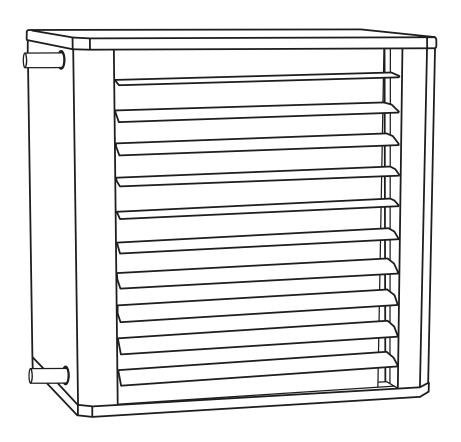


Original instructions

SWX H





(GB) ... 11

(NO) ... 15

(DE) ... 19

ES) ... 23

(FR)... 27

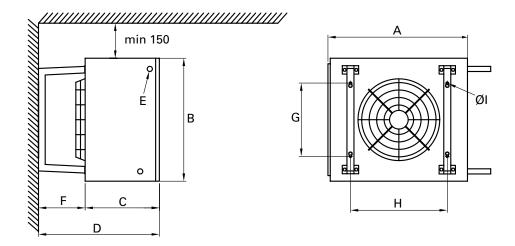
(IT)... 31

NL)... 35

(PL)... 39

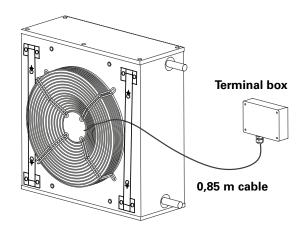
(RU) ... 43

SWX



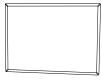
[mm]	Α	В	С	D	Е	F	G	Н	ØI	
SWXH13	550	530	380	630	ø22	250	330	410	10	
SWXH23	705	655	430	700	ø28	270	420	505	10	

Electrical installation 230V~



Accessories

Туре		HxWxD
		[mm]
SWXHFT1	SWXH13	455x525x15
SWXHFT2	SWXH23	595x650x15



SWXHFT

Controls SWX H

Туре	RSK-nr	NRF-nr	HxWxD
	(SE)	(NO)	[mm]
SWXRT70			175x150x100



Water regulation SWX H

Туре	RSK-nr (SE)	NRF-nr (NO)
SD20*	672 70 37	85 021 57
TVV20*	672 70 35	85 021 47
TVV25*	672 70 36	85 021 48

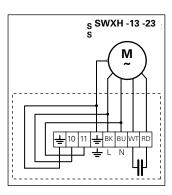




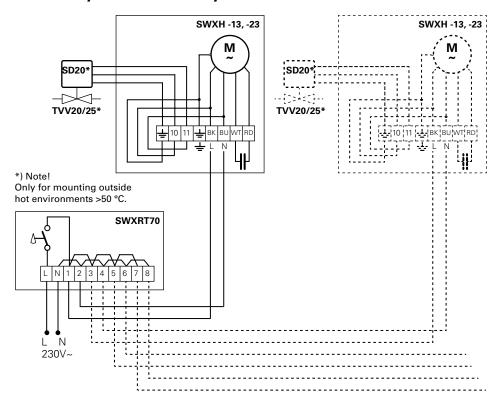
^{*)} Note: Only for mounting outside hot environments >50 °C.

Wiring diagrams SWX H

Internal



Control by thermostat only



SWX H

Тур	Heat output*1	Air flow	Air flow	Sound level*2	Δ t*1,3	Air throw	Water volume*4	Voltage	Ampera	ge Weight
	[kW]	[m³/h]	[m³/s]	[dB(A)]	[°C]	[m]	[1]	[V]	[A]	[kg]
SWXH13	12	1830	0,5	57	21	6	2,2	230V~	0,5	28
SWXH23	23	3870	1,1	68	20	9	3,8	230V~	1,35	46

^{*1)} Applicable at water temperature 80/60 °C, air temperature, in +40 °C. *2) Conditions: Distance to the unit 5 metres. *3) $\Delta t =$ temperature rise of passing air at maximum heat output. *4) Water volume inside battery.

Intended for water temperatures up to $+150~^{\circ}\mathrm{C}$ and 16 bar. Max. surrounding temperature +70 °C.

Protection class: IP65.

CE compliant.

GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Heat output Värmeeffekt Varmeeffekt Puissance Выходная мощность Heizleistung Moc grzewcza Potencia calorífica Potenza Verwarmingscapaciteit	GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Air throw Kastlängd Kastelengder Portée Длина струи Wurfweite Zasięg strumienia powietrza Distribución Lancio Luchtworp	GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Amperage Ström Strøm Intensité Сила тока Stromstärke Natężenie Intensidad Corrente motore Stroom-sterkte
GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Airflow Luftflöde Luftmengde Débit d'air Расход воздуха Volumenstrom Wydajność powietrza Caudal de aire Portata aria Luchtstroom	GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Water volume Vattenvolym Vannvolum Volume d'eau Объем воды Wasser-menge Objętość Volumen de agua Volume acqua Water volume	GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Weight Vikt Vekt Poids Bec Gewicht Waga Peso Peso Gewicht
GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Sound level Ljudnivå Lydnivå Niveau sonore Уровень шума Geräuschpegel Poziom głośności Nivel de ruido Livello sonoro Geluidsniveau	GB: SE: NO: FR: RU: DE: PL: ES: IT: NL:	Voltage Spänning Spenning Tension Напряжение Spannung Napięcie Tensión Tensione motore Voltage		

Output charts water SWX H

		Incoming	/ outgoir	ıg water t∉	ncoming / outgoing water temperature 90/70 °C	3° 07/0€ €							
		Air temp	Air temp. in = +20 °C	ပ္စ		Air temp	Air temp. in = +40 °C	ပွ		Air temp	Air temp. in = +60 °C	ပ္	
Туре	Airflow	Airflow Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure drop
	[m³/h]	[kW]	out [°C]	[l/s]	[kPa]	[kW]	out [°C]	[s/I]	[kPa]	[kW]	ont [c]	[s/l]	[kPa]
SWXH13 1830		56,6	9'89	0,33	8,3	16,3	69,4	0,20	3,4	9′9	73,5	60'0	9'0
SWXH23 3870	3870	52,4	2'09	0,65	10,6	32,1	67,3	0,40	4,3	12,9	72,5	0,16	8′0

		Incoming	Incoming / outgoing water	ng water t	temperature 80/60 °C	J. 09/08				Incoming temperatu	ncoming / outgoing water emperature 80/65 °C	g water °C	
		Air temp	Air temp. in = +20 °C	၁့		Air temp	Air temp. in = +40 °C	၁့		Air temp	Air temp. in = +60 °C	၁့	
Туре	Airflow	Airflow Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure drop
	[m³/h] [kW]	[kW]	[] []	[l/s]	[kPa]	[kW]		[s/I]	[kPa]	[kW]	00I [°C]	[l/s]	[kPa]
SWXH13 1830		21,8	55,9	0,27	6,3	11,8	61,2	0,14	1,9	3,6	67,3	90'0	0,14
SWXH23 3870		43,0	53,4	0,53	2,5	23,1	9'69	0,28	2,4	7,1	0′99	0,12	0,5

		Incoming	Incoming / outgoing water		temperature 98/85 °C	38/86 °C							
		Air temp	Vir temp. in = +20 °C	၁		Air temp	Air temp. in = +40 °C	ပ္		Air temp	Air temp. in = +60 °C	ပွ	
Туре	Airflow	Airflow Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure Output drop	Output	Air temp.	Water flow	Pressure drop
	[m³/h] [kW]	[kW]	out [°C]	[s/I]	[kPa]	[kW]	out [°C]	[l/s]	[kPa]	[kW]	out [°C]	[s/I]	[kPa]
SWXH13 1830	1830		72,7	0,61	26,5	21,6	6'8/	0,41	12,6	11,9		0,33	4,2
SWXH23 3870		9'89	69,4	1,21	34	42,8	76,4	0,82	16,2	23,6	87'8	0,45	5,3



Assembly and operating instructions

General Instructions

Read these instructions carefully before installation and use. Keep this manual for future reference.

The product may only be used as set out in the assembly and operating instructions. The guarantee is only valid if the product is used in the manner intended and in accordance with the instructions.

Application

SWX is a range of fan heaters suitable for environments with strict demands on materials and safety. Models are available for use in rooms with high temperatures. Fan heater SWX has a robust design, adapted to the requirements of harsh environments.

Supplied with air director with individually adjustable louvres that direct the air flow on one plane.

SWX H has an inspection hatch with quick release.

Protection class: IP65.

SWX H

The fan heater is available in two sizes, SWXH13 and SWXH23. They have been especially developed to heat the air in environments with high ambient temperatures such as in the drying and curing industry as well for decontamination.

- Uses hot water as the energy medium.
- The casing, air directors and brackets are made of stainless steel, EN 1.4016.
- Water coil with copper pipes and louvres with hydrophilic coating for easier cleaning and better durability, among other things.
- Protection class IP65 protected against dust and water jets.
- Inspection hatch with quick release.
- Supplied without any automation and a single fan speed.
- Wall bracket supplied for mounting of the fan heater on the wall for a horizontal air stream.



Fitting the wall bracket

- 1. Remove the eight screws indicated by the arrows in picture A.
- 2. Install the brackets with the holes toward the fan motor, as shown in picture B.





3. The fan heater may be mounted with the connection pipes facing left or right, as seen from the front. In rooms with high ceilings, the fan heater should be installed in a low position, but not so low that it intrudes on the working space. Make sure that the wall is able to support the weight of the fan heater.

4. The fan heaters are delivered with the air deflector installed for water connection on the left hand side. If the fan heater is mounted with the pipes facing right, the air deflector must be turned for the air to be deflected downward. Remove the six screws (1/4" hex head) attaching the air deflector as shown in picture C, lift out the air deflector and turn it 180°. Then reattach it.



(C)



Connection of heating coil

The installation must be carried out by an authorised installer. By turning the fan heater, pipe connections are possible on both sides. Connect the water supply pipe to the lower pipe on the heater and connect the outlet pipe to the upper pipe, as shown by the arrows in picture E.

Ø22 connection on SWXH13 and ø28 connection on SWXH23. If compression fittings are installed, check that they can withstand the pressure and temperature of the heating medium.

Note! Be careful while connecting the pipes to prevent pipe damage and water leakage.

The heating coil must not be connected to a mains pressure water system or an open water system.

Prior to use, the pipe system should be ventilated. The air valve should be connected on a high point in the pipe system. Air and draining valves are not included in the heating coil.

Units that are likely to be exposed to air temperatures below zero, for example when a mixing cabinet is used, should be equipped with external frost protection to ensure that the heating coil is not damaged by frost.

Electrical installation

The electrical installation should be carried out by a qualified electrician in conformity with prevailing regulations. The appliance should be supplied via a triple-pole switch with at least 3 mm breaking gap.

The fan motor is connected to a detached terminal box, which is mounted on a wall next to the unit (0,85 m cable).

The cable glands used must meet the protection class requirements.

After the electrical installation of the motor, check the rotation of the fan. Seen from the inlet side, the impellers should be rotating anti-clockwise.

See wiring diagrams.

Maintenance

To ensure performance and reliability of the unit, inspection and cleaning should be carried out reguarly. Inspection should be carried out at least twice a year. Clean the unit when needed.

During inspection the power supply must always be disconnected.

The fan heater is equipped with inspection hatches with quick-release locks. Open the quick-release locks according to picture F.









Cleaning

The interval between each cleaning depends on the environment the fan heater is used in. Dust on the fan protective grille and on the water coil's aluminum fins impedes the airflow and reduces its heat exchanging performance. The water coil must therefore be kept clean. The fan cooling flanges also need to be kept clean, to obtain the lowest possible motor operating temperature.

With the inspection hatch (picture G) removed, the water coil's aluminium louvres can be accessed for cleaning as below:

- Blown clean with compressed air or steam.
- Flushed with water. For grease coated louvres add appropriate cleaning detergent. Take care not to deform or damage the thin aluminium louvres.

Safety

- Ensure that the area around the intake is kept free from material which could prevent the air flow through the appliance.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The appliances may have hot surfaces during operation.
- Lifting aids should be used to lift the appliance.
- The unit is unpainted and may have sharp metal edges.
- When adjusting the louvers, please note that the water heating coil may have sharp edges.



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