tt coil as

WATER HEATERS

Water heater, **S1** 17 kW, **S2** 29 kW, **S3** 52 kW, **S4** 59 kW

Application of new technology in our devices guarantees high effectiveness and good prices.

The colours of the devices will match in every room. They will operate smoothly for many years.

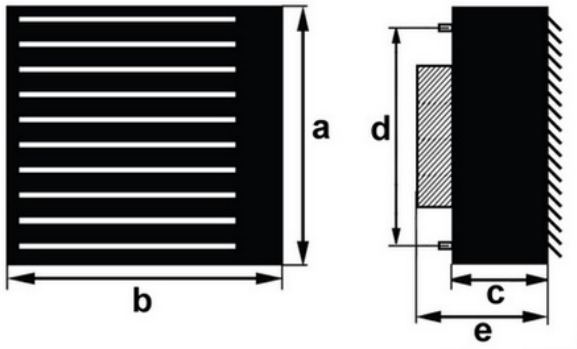
Application:
Production halls, warehouses, stores, garages, workshops, greenhouses, tents, shops, shopping malls, churches etc.

Advantages:

- Can be mounted on a holder
- Modern design
- Variety of capacity
- Easy assembly
- Easy service
- Various ways of regulating the angle of slope
- High capacity
- Energy-saving fan
- Silent & reliable operation

Characteristics:

- Casing made of powder painted galvanized steel
- 1, 2 and 3 row heating coils
- Air stators can be set up manually
- Temperature control



Typ	S1	S2	S3	S4
a [mm]	452	552	552	660
b [mm]	494	545	545	696
c [mm]	202	252	252	252
d [mm]	350	450	450	560
e [mm]	305	368	368	384

Technical data	Unit of measure	S1	S2	S3	S4
Nominal heating capacity water 90/70°C and inlet air temperature 0°C.	kW	16,7	29,4	52,1	59,3
Heating power range.	kW	7-17	13-29	23-52	26-59
Maximum airflow.	m^3/h	1743	2973	2973	4400
Maximum range of air stream.	m	10-12	10-18	10-18	10-25
Number of rows in heater.	number	1	2	3	2
Weight including water/ without water.	kg	15,5/15	22,3/21	24,9/23	29/27
Capacity of water.	dm^3	0,5	1,3	1,9	2
Air temperature rise. *	°C	26,7	27,5	48,7	37,5
Maximum temperature of heating agent.	°C	110	110	110	110
Maximum operating pressure.	MPa	1,6	1,6	1,6	1,6
Rated current.	A	0,42	0,66	0,66	0,82
Power supply voltage.	V/Hz	230/50	230/50	230/50	230/50
Motor power	W	80	150	150	180
Motor speed.	rev/min	1380	1400	1400	1380
Motor IP.	-	54	54	54	54
Ferrules diameter	„	3/4	3/4	3/4	3/4

Temperature rise according to parameters: water 90/70°C and inlet air temperature 0°C.

Tempovej 18-22, DK-2750 Ballerup, Tel.: +45 44 200 400
ttcoil@tt-coil.dk • www.tt-coil.se

Water heater farmer 47 kW

Application:
Production halls for food industry, pigsties, rooms with a lot of dust, humidity and a high concentration of ammonia in the air. .

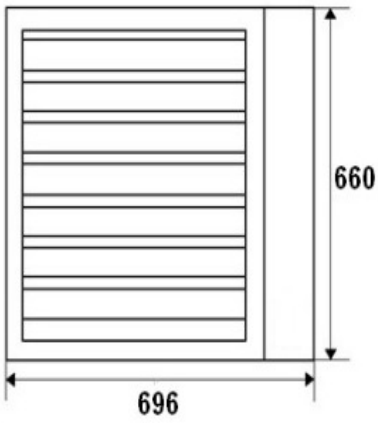
Advantages:

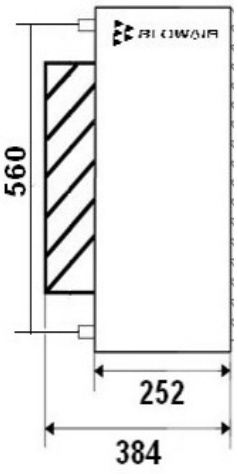
- The end with mould, fungi and batteries in the coils
- Protective layer of LCE coaing assure of work in aggressive environments
- Easy assembly
- Easy usage
- Warm comfort in quick time
- Silent & reliable work

Characteristics:

- Casing made of galvanized steel, covered by LCE coating which is resistant to acid, salt and ammonia
- 2 row coil
- Possibility to control the temperature with a room thermostat
- Air stators can be set up manually

Technical data	Unit of measure	FARMER 47 kW
Nominal heating capacity water 90/70°C and inlet air temperature 0°C.	kW	46,8
Heating power range.	kW	20-47
Maximum airflow.	m3/h	4400
Maximum range of air stream.	m	10-25
Number of rows in heater.	number	2
Weight including water/ without water.	kg	29/27
Capacity of water.	dm3	2,0
Air temperature rise. *	°C	29,6
Maximum temperature of heating agent.	°C	110
Maximum operating pressure.	MPa	1,6
Rated current.	A	0,82
Power supply voltage.	V/Hz	230/50
Motor power	W	180
Motor speed	rev/min	1380
Motor IP	-	54
Ferrules diameter	"	3/4
Dimensions (height/depth/width)	mm	660/696/384





Tempovej 18-22, DK-2750 Ballerup, Tel.: +45 44 200 400
ttcoil@tt-coil.dk • www.tt-coil.se

Accessories:

Holder

Holder is an additional element to assemble the device. It is solid and durable, it is possible to assemble the device on the wall or ceiling. It is also possible to regulate the angle of slope in three versions. Follow the parameters which are provided on the drawings.

Rotational Holder

Rotational holder is an additional element to assemble the device. It is solid and durable; it is possible to assemble the device on the wall or ceiling. It is possible to assemble the device in parallel on the angle 60° and 45°.

Two-way valve with actuator

It should be installed on the return (outlet) pipe. Using it lowers the living costs. It is essential to use it with the temperature controller. After reaching the wanted temperature the valve cuts off the water inlet. Water runs in cycle and does not cool the device. The valve is not noisy. It is recommended to use one two-way valve with actuator to each device

Room thermostat RT 100

Work environment parameters 0°C-40°C; setting range 10°C-30°C; regulation accuracy 1°C; temperature number levels 1; power supply voltage 230V. It is possible to use one room thermostat to maximum 5 devices.

5-stage speed controller RX 1,2A

Energy saving speed controllers RX with the security degree IP52. It is used to control the speed in single-phase fans. It consists of 5 control levels 0 - 115 - 135 - 155 - 180 - 230V, power supply voltage-230VAC / 50-60Hz, allowable current output: 1,2A; protection: thermal breaker switch; dimensions: 126mm x 176mm x 56mm; weight: 1,3 kg.It is recommended to use one speed controller for each device.

5-stage speed controller RX 3A

Energy saving speed controllers RX with the security degree IP52. It is used to control the speed in single-phase fans. It consists of 5 control levels 0 -70-85-105-145-230V, power supply voltage-230VAC / 50-60Hz, allowable current output:3A; protection: thermal breaker switch; dimensions: 126mm x 176mm x 56mm; weight: 1,3 kg. It is possible to use one RX 3A speed controller for a few devices.

5-stage speed controller 0,6A for S1

ENERGY-SAVING SPEED CONTROLLERS RX WITH THE SECURITY DEGREE IP52. It is used to control the speed in single-phase fans. It consists of 5 control levels0/70/85/105/145/230V, power supply voltage-230VAC / 50-60Hz, allowable current output:0,6A; protection: thermal breaker switch; dimensions: 118mm x 78mm x 55mm; weight: 0,7 kg. It is recommended to use one speed controller for each S1 device.

Programmable temperature controller FL

Saving energy up to o 30%. It is possible to regulate the temperature up and down. LCD liquid crystal display. Temperature setting every 0,2°C. It consists of 9 programmers. 3 levels of temperature- day, night, anti-freeze. Work environment parameters 0°C-40°C. Setting range 5°C-30°C. Power supply 2 alkaline battery AA (1,5V). Permitted control output load 230 VAC 50Hz 5 (3) A. It is possible to use one programmable temperature controller to max. 5 devices.

Tempovej 18-22, DK-2750 Ballerup, Tel.: +45 44 200 400
ttcoil@tt-coil.dk • www.tt-coil.se