

Wall Air Heater Type Series TWH

TWH • TWH-EC • TWH-EX

Product Description TWH

The housing of the wall air heater consists of a sturdy powder-coated profile frame on which the powder-coated cover plates are attached. An efficient high-performance impeller with backward-curved blade forms the heart of the system. The impeller is mounted together with the drive motor on a coated carrier plate, which can be swung out laterally for maintenance and cleaning purposes. This specially designed swivel system significantly reduces inspection times.

The air is inlet freely via an intake grille, to which a ventilation duct can also be added as an option.

The air is heated by a heating battery in a stable industrial design. Version in galvanized steel or stainless steel possible.

For air distribution, a smooth-running and removable exhaust blind is attached for inspection purposes. This can be adjusted in the direction of blowing out and the opening angle. If necessary, additional side outlets can be realized.

The control of the wall air heater can be implemented individually on site.

The air heater with many advantages

The main area of application of our wall air heaters is the heating and ventilation of industrial and commercial spaces as well as workshops and storage rooms.

Our systems are particularly characterized by their robust, smooth-running and maintenance-friendly design.

The units are suitable for wall mounting and, depending on the application, can be operated with recirculating air, outside air and mixed air.

Additional description TWH-EC

For sustainable operation, all types are also available with EC drive (EX version excluded). The operating point can be individually adjusted to your needs via an installed potentiometer.

Due to the low installation height of the drive, the motor does not protrude.

38 – 146 kW

Heating capacity*

2000 - 7000 m³/h

Volume flow*

*Nominal data for 20°C, 60% r.F.



Additional description TWH-EX

Through the special selection of material combinations and coating processes, as well as consideration of

Explosion protection measures, our wall air heaters are suitable for use in potentially explosive atmospheres (zones 1 and 2).

According to the "Safety Assessment IB-12-7-146" and the update "IB-19-7-0069" of our wall air heaters by IBExU Institut für Sicherheitstechnik GmbH, these wall air heaters are not subject to Directive **2014/34/EU** and can therefore be used in explosive areas of zones 1 and 2.

The safety assessment of IBExU GmbH can be downloaded from the Internet at www.marquardt-schaupp.de.

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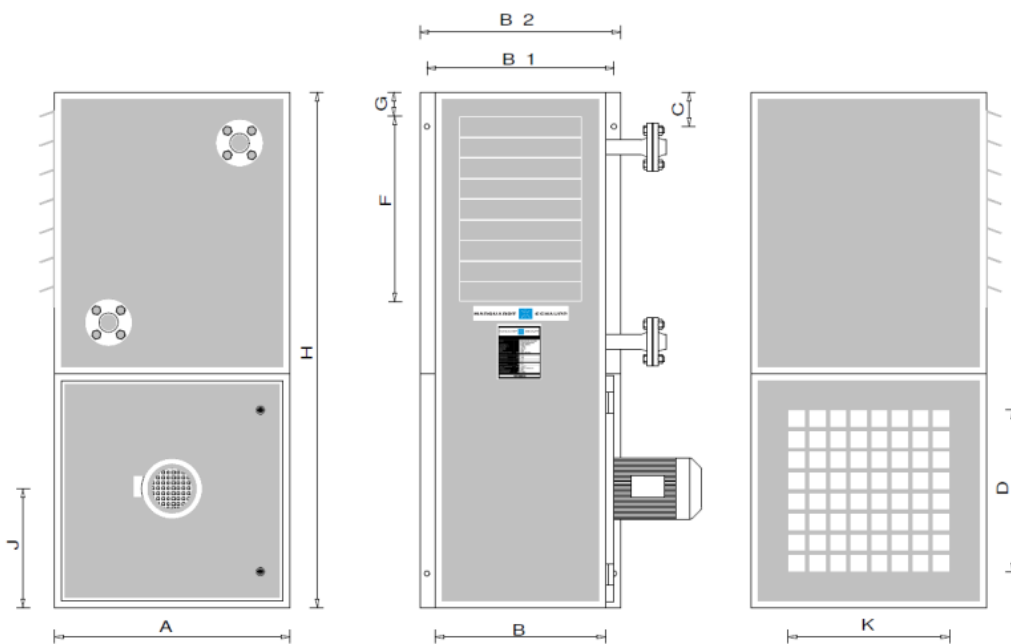
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Technical data

TWH TYPE	Nominal Volume flow	A	B	B1	B2	C	D	E	F	G	H	J	K	Weights max.	Power KW
2000	2000 m³/h	635	315	365	405	100	390	180	360	70	1140	276,5	390	120	38
3000	3000 m³/h	705	360	410	450	100	430	240	420	70	1280	309	430	140	50
4000	4000 m³/h	785	420	465	510	100	480	300	480	70	1430	346,5	480	170	68
5000	5000 m³/h	785	495	540	585	100	480	360	540	70	1500	346,5	480	200	92
6000	6000 m³/h	785	570	615	660	100	480	360	660	70	1700	346,5	480	240	121
7000	7000 m³/h	985	630	680	720	100	610	470	780	70	1850	426,5	610	280	146

Based on standard model TWH with steam medium 4bar(g) at inlet temperature -15°C

Dimensions



Versions

- Heating medium steam
- Heating medium hot water
- Heating medium thermal oil
- Stainless steel housing
- Use in ATEX zone 1 or 2
- Different motor voltages
- Location of heating coil connection right/left
- and much more.

Options/Accessories

- **Wall Frame**
Height 100 mm for on-site mounting of the wall air heater to the wall.
- **Flexible support**
For decoupled connection with a suction duct