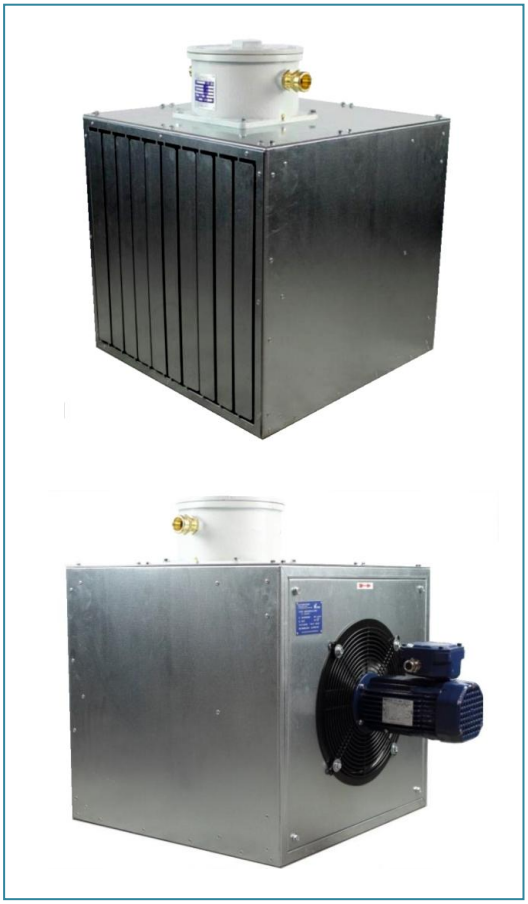
ATEX INDUSTRIAL FAN HEATERS

ATEX Industrial fan heaters for space heating in explosive atmosphere gas (areas 1 or 2) or dust (areas 21 or 22).



1. Features

- 1 Cable gland ATEX II 2GD (Power).
- 1 Cable gland ATEX II 2GD (Safety Thermostat).
- Motor fan series EVXP ATEX.
- Voltage Three Phase 230/400V 50Hz.
- Safety thermostat with manual reset.
- Galvanized screws.
- Galvanized Steel Sheet Metal.
- Battery electric heater ATEX certified by a notified body.

2. Temperature of transported fluid

- Temperature from -20°C up to +40°C.

3. Ambient temperature

- Temperature from -20°C up to +40°C.

4. Options

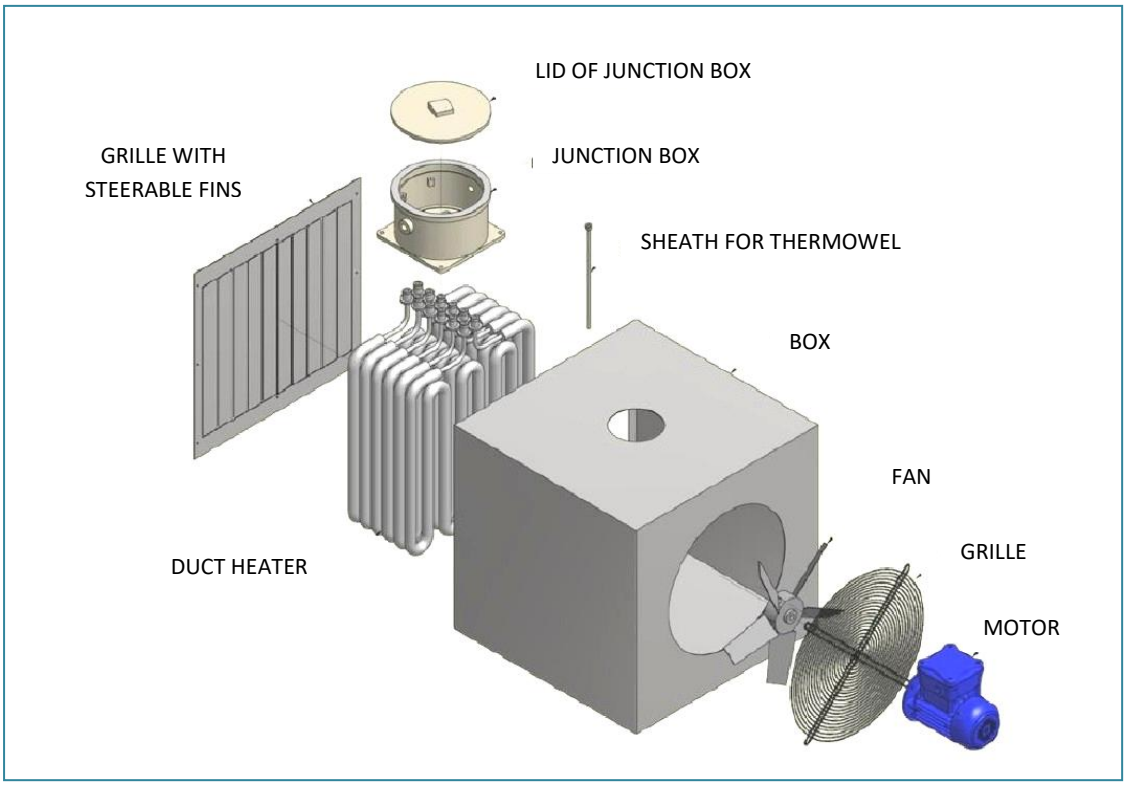
- Other ATEX classification : Gas Versions : II 2G Ex d IIC T1 à T4 .
- Dust Versions : II 2D ExtD A21 IP6X T140°C, 210°C, 310°C ou 460°C.
- ATEX control panels pre-wired.
- Construction with centrifugal fan.
- Special Voltage and frequency.
- Construction with stainless steel sheet metal, screws and stainless steel smooth or finned heater tubes.

5. Remark

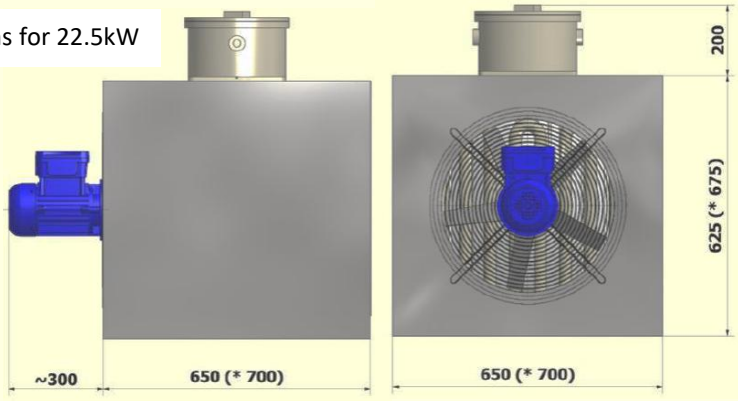
- For heaters versions GD, the maximum surface temperatures for dust areas are downgraded 5°C for T4 and 10°C for T3.

6. Standards

- Each fan is tested in operation with vibration control in accordance with ISO 14964.
- All fans are in accordance with the machine directive 2006/42/EC (as "partly completed machinery") and Directive 2009/125/EC Ecodesign “ERP” (Regulation n°327/2011).
- Safety requirements for mechanical protections according to EN ISO 12499
- The turbines are balanced according to ISO 1940 (standard class G6.3)



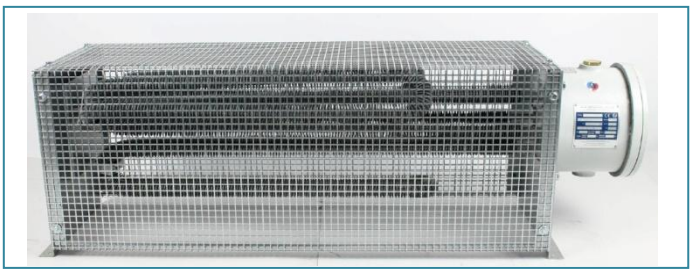
(*)Dimensions for 22.5kW



List of standard ATEX fan heater

Power (KW)	Revolutions per minute	Air flow m^3/h	Motor power	II2G IIB T3	II2G IIC T3	II2D T210	II2GD IIB T3 T210	II2GD IIB T3 T210
6	1000	1200	0.18	52	54	50	51	52
9	1000	1800	0.18	55	57	53	54	55
12	1000	2400	0.18	67	69	65	66	67
15	1000	3000	0.18	67	69	65	66	67
18	1000	3600	0.18	70	72	68	69	70
22.5	1000	4500	0.55	75	77	73	74	75

ATEX Industrial convectors for space heating in explosive atmosphere gas (areas 1 or 2) or dust (areas 21 or 22).





1. Features

- Certificate LCIE 03 ATEX 6386 X.
- 1 Cable gland ATEX II 2GD EExd IIC.
- Type protection Eexd IIC T3.
- Single phase 230V or three phase 230/400V 50Hz.
- Painted support (x2).
- Case in painted perforated sheet.
- Casted in aluminium junction box.

2. Ambient temperature

- Temperature from -20°C up to +60°C.

3. Temperature of transport fluid.

- Temperature from -20°C up to +60°C.

4. Opctions

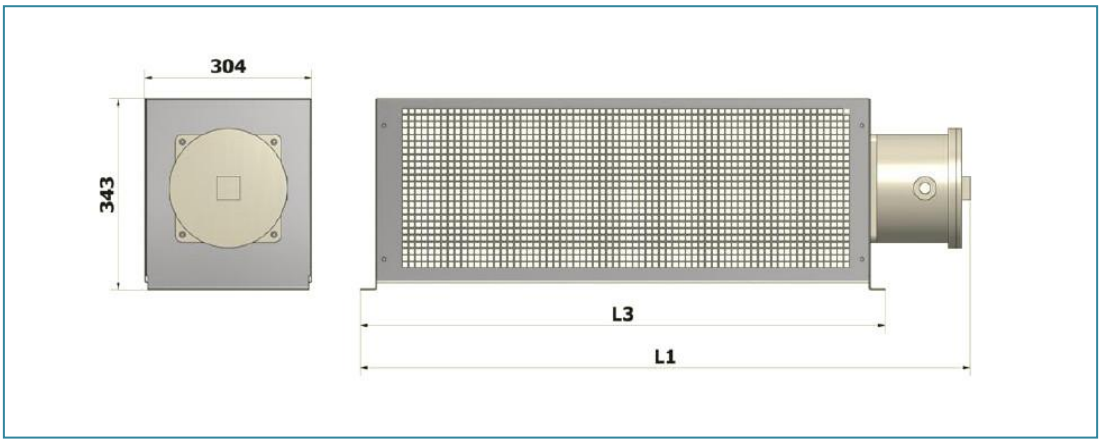
- Thermostat control +6 / +38°C with thermowell in stainless steel 304 and 1 additional cable gland ATEX II 2GD EEx IIC.
- Special Voltage and frequency.
- Protection mode EExd IIC T4 (1.5 kW max).
- Construction with stainless steel sheet metal, screws and battery.
- Wall support (brackets).

5. Remark

- For heaters versions GD, the maximum surface temperatures for dust areas are downgraded 5°C for T4 and 10°C for T3.

6. Standards

- Each fan is tested in operation with vibration control in accordance with ISO 14964.
- All fans are in accordance with the machine directive 2006/42/EC (as "partly completed machinery") and Directive 2009/125/EC Ecodesign “ERP” (Regulation n°327/2011).
- Safety requirements for mechanical protections according to EN ISO 12499.
- The turbines are balanced according to ISO 1940 (standard class G6.3)



List of standar ATEX convector

Ref.	Power (W)	Classification	Voltage	Weight (Kg)	L1 (mm)	L3 (mm)
M512352200	1000	II 2GD Exd IICT3 T210°C	230V / 400VIII	21	1117	965
M512352062	2000	II 2GD Exd IICT3 T210°C	230V / 400VIII	27	1117	965
M512349098	3000	II 2GD Exd IICT3 T210°C	230V / 400VIII	32	1467	1315
	500	II 2GD Exd IICT4 T140°C	230V	21	1117	965
	1000	II 2GD Exd IICT4 T140°C	230V / 400VIII	27	1117	965
M512351511	1500	II 2GD Exd IICT4 T140°C	230V / 400VIII	32	1467	1315