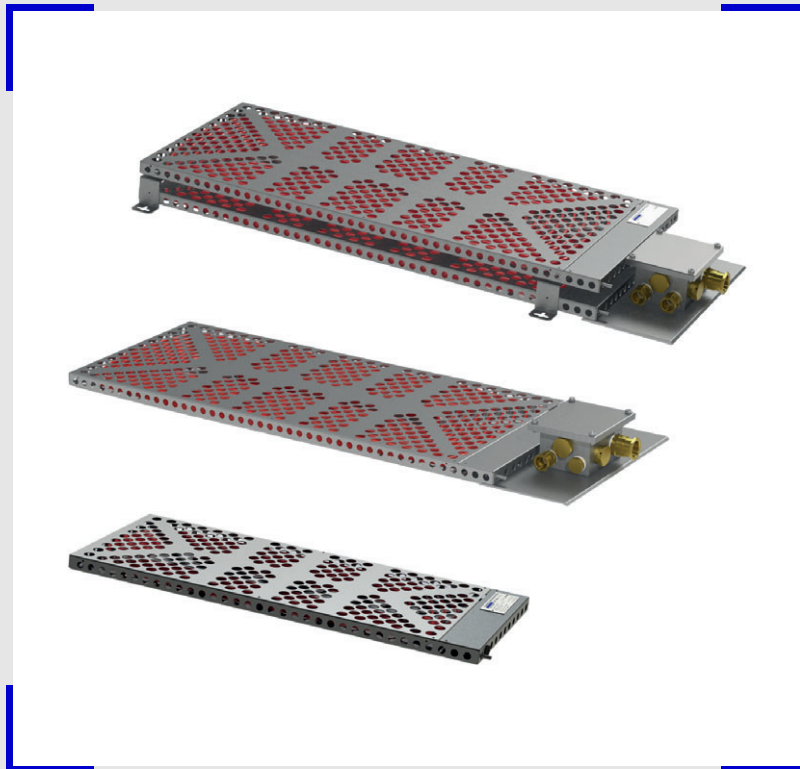


# Enclosure Heater

## Series TEF 9207



- > Versions
  - with connection cable
  - with junction box for power termination
  - with junction box and thermostat
- > Low profile, easy to fit inside cabinets.
- > Self regulating heating element. Prevents overheating.
- > Rugged acid-resistant steel construction.

www.stahl.de



04929E00



E6

Due to the relatively low surface temperature and self-regulating nature of the heater, components and wires may be located close to the heater without fear of damage caused by overheating. The enclosure heater contains an element consisting of semi-conductive polymere core extruded between two parallel copper conductors. At low temperatures, electrical current flows between the conductors thus generating heat. As the temperature rises the electrical resistance of the core material increases reducing current flow and heat output.

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x			

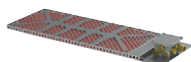
**WebCode T9207A**

# Enclosure Heater

## Series TEF 9207



### Selection Table

Version	Description	Power output at 0 °C	Order number
Enclosure heater with connection cable  15188E00	This model includes an approx. 1 m long connection cable for termination to power	100 W	TEF92070001
		200 W	TEF92070002
		300 W	TEF92070003
		500 W	TEF92070005
Enclosure heater with junction box  15188E00	This model includes a junction box for local terminations	100 W	TEF92071001
		200 W	TEF92071002
		300 W	TEF92071003
		400 W (Sandwich-Design)	TEF92073004
		500 W	TEF92071005
		600 W (Sandwich-Design)	TEF92073006
		1000 W (Sandwich-Design)	TEF92073010
Enclosure heater with junction box and thermostat  15183E00	Thermostat with switching temperature +5 °C	100 W	TEF92072401
		200 W	TEF92072402
		300 W	TEF92072403
		400 W (Sandwich-Design)	TEF92074404
		500 W	TEF92072405
		600 W (Sandwich-Design)	TEF92074406
		1000 W (Sandwich-Design)	TEF92074410
Enclosure heater with junction box and thermostat  15183E00	Thermostat with switching temperature +15 °C	100 W	TEF92072601
		200 W	TEF92072602
		300 W	TEF92072603
		400 W (Sandwich-Design)	TEF92074604
		500 W	TEF92072605
		600 W (Sandwich-Design)	TEF92074606
		1000 W (Sandwich-Design)	TEF92074610

### Explosion Protection

#### Global (IECEX)

Gas	IECEX NEM 11.0005X Ex e IIC T3 Gb
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#### Europe (ATEX)

Gas	NEMKO 11ATEX1098X ⊕ II 2 G Ex e IIC T3 Gb
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#### Canada (CSA)

Gas	CSA 1370701 AEx e II / Ex e II
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### Certifications and certificates

Certificates	IECEX, ATEX, Canada (CSA)
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# Enclosure Heater

## Series TEF 9207

TRANBERG®

STAHL

### Technical Data

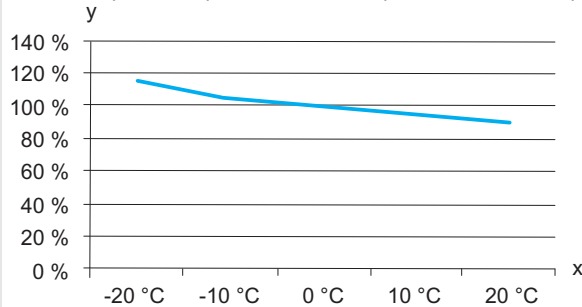
#### Electrical data

Rated operational voltage	230 V 50 / 60 Hz
Fuse	Connect to max. 16 A circuit breaker. Residual current device or isolation monitoring device, depend on type of system of earth according to IEC 364-3, chapter 31, and EN 60079-7 Annex D.
Connection	Enclosure heater with connection cable: 2 x 2.5 mm <sup>2</sup> + PE Enclosure heater with junction box (and thermostat) : max. 4 mm <sup>2</sup> (2.5 mm <sup>2</sup> with core end sleeve)

#### Ambient conditions

Ambient temperature	-50 ... +50 °C (heater is energized) -50 ... +80 °C (heater is de-energized)
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Estimated power output of heater in respect to ambient temperature



y = Effect %, x = Ambient temperature °C

15191E00

#### Thermostat

Switching temperature	+5 or +15 °C
Hysteresis	+/-5 °C

#### Mechanical data

Material	Stainless Steel 1.4404 (AISI 316L)
Degree of protection	IP66
Cable entries	Enclosure heater with junction box (and thermostat): 4 openings Ø 25 mm cable glands. Delivered with two/three stopping plugs and one cable gland.

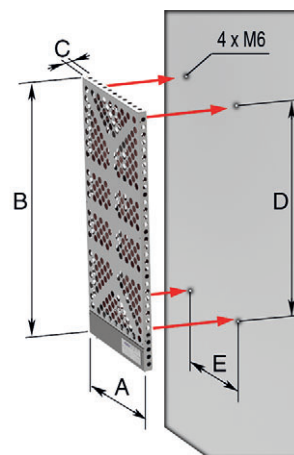
E6

### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations

#### Enclosure Heater with Connection Cable

*Nominal output	Overall dimensions			Mounting dimensions		Weight kg	Length connection cable m
	A	B	C	D	E		
100 W	200	300	31	190	160	1.62	1
200 W	240	550	31	440	200	3.44	1.5
300 W	280	700	31	590	240	5.42	1.5
500 W	360	870	31	760	320	8.02	1.5

\*Nominal at still air 0 °C



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# Enclosure Heater

## Series TEF 9207

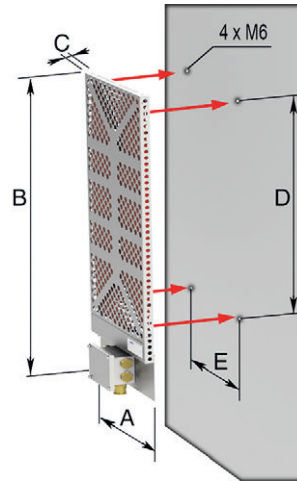


### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations

#### Enclosure Heater with Junction Box

*Nominal output	Overall dimensions			Mounting dimensions		Weight kg
	A	B	C	D	E	
100 W	200	430	80	190	160	2.92
200 W	240	684	80	440	200	4.74
300 W	280	834	80	590	240	6.72
400 W	303	684	82	440	276	6.44
500 W	360	1004	80	760	320	9.32
600 W	343	834	82	590	316	11.76
1000 W	424	1004	82	760	397	18.50

\*Nominal at still air 0 °C

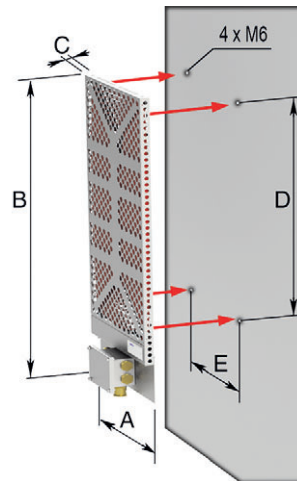


12345E00

#### Enclosure Heater with Junction Box and Thermostat

*Nominal output	Overall dimensions			Mounting dimensions		Weight kg
	A	B	C	D	E	
100 W	233	430	80	190	160	2.92
200 W	245	684	80	440	200	4.74
300 W	280	834	80	590	240	6.72
400 W	303	684	82	440	276	6.44
500 W	360	1004	80	760	320	9.32
600 W	343	834	80	590	316	11.76
1000 W	424	1004	82	760	397	18.50

\*Nominal at still air 0 °C



12455E00

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.