

Enclosure Heaters ***for temperature and humidity control***

- ***Superior Quality***
- ***Global listings***
- ***Excellent Value***
- ***In Stock***

häwa offers heating solutions from 10 – 1,200 W (34 – 4,100 BTU/h)

MINI Range 10 – 150 W (34 – 510 BTU/h)

- Dynamic heating with PTC-technology
- Design optimized for natural convection
- Convenient DIN rail installation
- Wide voltage range
- Designed for continuous operation



MIDI Range 150 – 550 W (510 – 1,880 BTU/h)

- Dynamic heating with PTC-technology
- Integrated fan for forced air circulation
- Convenient DIN rail installation
- Compact design
- Designed for continuous operation



MAXI Range 950 – 1,200 W (3,245 – 4,100 BTU/h)

- Dynamic heating with resistive heater (HG 950) or PTC-technology (HG 1200)
- Integrated fan for forced air circulation
- Low surface temperatures
- Compact design
- Designed for continuous operation



hawa heaters for cabinets and enclosures

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MINI Heaters

hawa MINI heaters CSK, CS, and CSF utilize temperature limiting PTC resistor heaters and are design-optimized for natural convection, which ensures an even distribution of the heat inside the cabinet. They will reliably maintain a minimum set temperature to protect the installed equipment.

The CSF 100 has an internal, pre-set thermostat (temperature pre-set: 40 °F)

Description	Heater Output @ 68 °F ambient	Voltage	Start-up Current [A]	Weight [lbs]	Dimensions H x W x D	Order No.
CSK 10	10 W (34 BTU/h)	110-265V,1, 50/60Hz	0.85	0.55	98 x 38 x 75 mm (3.9 x 1.5 x 3")	3185-0010-02-00
		24 V _{DC}	5.5			
CSK 20	20 W (68 BTU/h)	110-265V,1, 50/60Hz	2.5	0.55	98 x 38 x 75 mm (3.9 x 1.5 x 3")	3185-0020-02-00
		24 V _{DC}	10.9			
CS 50	50 W (170 BTU/h)	110-265V,1, 50/60Hz	2.5	0.64	110 x 60 x 90 mm (4.4 x 2.4 x 3.6)	3186-0050-02-00
		24 V _{DC}	12			
CS 100	100 W (340 BTU/h)	110-265V,1, 50/60Hz	4.5	0.66	110 x 60 x 90 mm (4.4 x 2.4 x 3.6)	3186-0100-02-00
		24 V _{DC}	13			
CS 150	150 W (510 BTU/h)	110-265V,1, 50/60Hz	8	0.97	110 x 60 x 90 mm (4.4 x 2.4 x 3.6)	3186-0150-02-00
		24 V _{DC}	14			
CSF 100	100 W (340 BTU/h)	110-265V,1, 50/60Hz	4.5	0.68	110 x 60 x 90 mm (4.4 x 2.4 x 3.6)	3186-0100-03-00



CSK



CS



CSF

MIDI Heaters

hawa MIDI heaters HG and HGH utilize temperature limiting PTC resistor heaters like the MINI series, but incorporate fans for forced air circulation inside the cabinet.

The HGH models are equipped with an internal thermostat (temperature range: 0 – 60 °C)

Description	Heater Output @ 68 °F ambient	Voltage	Start-up Current [A]	Weight [lbs]	Dimensions H x W x D	Order No.
HG 150	150 W (510 BTU/h)	115V, 1ph, 50/60Hz	5	0.7	75 x 65 x 87 mm (3 x 2.6 x 3.5")	3184-0150-02-12
		230V, 1ph, 50/60Hz	2			
HGH 350	350 W (1,200 BTU/h)	115V, 1ph, 50/60Hz	11	2	165 x 100 x 128 mm (6.5 x 4 x 5.1")	3184-0350-01-15
		230V, 1ph, 50/60Hz	7.5			
HGH 550	550 W (1,880 BTU/h)	115V, 1ph, 50/60Hz	12	2.5	165 x 100 x 128 mm (6.5 x 4 x 5.1")	3184-0550-01-15
		230V, 1ph, 50/60Hz	8.5			



HG



HGH

MAXI Heaters

The HG 950 utilizes a resistive heating element. It is available with a thermostat (32 – 140 °F)* or a hygrostat "HG 950H" (pre-set at 65 % r.h.).

The HG 1200 utilizes a PTC resistor heater and is equipped with a thermostat (32 – 140 °F)*.

Description	Heater Output @ 68 °F ambient	Voltage	Start-up Current [A]	Weight [lbs]	Dimensions H x W x D	Order No.
HG 950	950 W (3,245 BTU/h)	115V, 1ph, 50/60Hz		3.1	100 x 145 x 168 mm (4 x 5.8 x 6.7")	3184-0950-02-12
		230V, 1ph, 50/60Hz				
HG 950H	950 W (3,245 BTU/h)	230V, 1ph, 50/60Hz		3.1	same as HG 950	3184-0950-03-23
HG 1200	1,200 W (4,100 BTU/h)	115V, 1ph, 50/60Hz		2.7	120 x 145 x 168 mm (4.8 x 5.8 x 6.7")	3184-1200-02-12
		230V, 1ph, 50/60Hz				



HG

* The HG950 and HG1200 heaters in 230V have "°C" scales