

# Compact Semiconductor Fan Heater

SHGW403 | 150W to 400W



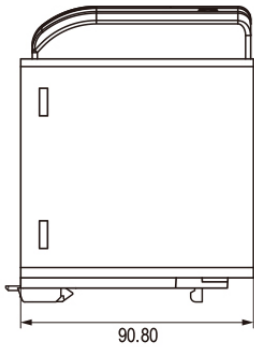
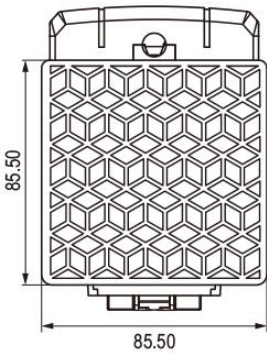
- Small, compact design
- Quiet in operation
- Dynamic heating up
- Clip or screw mounting

Fan heater prevents formation of condensation and provides an evenly distributed interior air temperature in enclosures with electric/electronic components. The heater is connected using the internal terminal connectors. The small size of the SHGW403 makes it ideal for use in enclosures where space is at a premium.

CE RoHS ISO9001 Patent

## Technical Data

SHGW403	
Heating element	PTC resistor - temperature limiting
Surface temperature	150W/250W: max. +50°C (+122°F), 400W: max. +65°C (+149°F) each except upper protective grille at +20°C (+68°F) ambient temperature
Axial fan, ball bearing	air flow, free flow 45m³/h (230VAC), 54m³/h (120VAC) service life 40,000h at +40°C (+104°F)
Connection	2-pole clamp max. 2.5mm², clamping screw torque 0.8Nm max.
Casing	plastic according to UL94 V-0, black
Mounting	clip for 35 mm DIN rail, EN 60715 or screw fixing (Ø 5.3mm)
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Note	other voltages on request



## Examples of connection

Thermostat TERM-H (NC)

Fan Heater SHGW403

Heating capacity / Ambient temperature diagram

Temperature (°C)	150W Capacity (W)	250W Capacity (W)	400W Capacity (W)
-40	150	300	450
-30	150	300	450
-20	150	300	450
-10	150	300	450
0	150	300	450
10	150	300	450
20	150	300	450
30	150	300	450
40	150	300	450

Art. No.	Heating capacity <sup>1</sup>	Operating voltage	Dimensions	Weight (approx.)
SHGW403-150	150W	230VAC, 50/60Hz	75 x 65 x 90mm	0.3kg
SHGW403-150	250W	230VAC, 50/60Hz	90 x 85 x 111mm	0.5kg
SHGW403-150	400W	230VAC, 50/60Hz	90 x 85 x 111mm	0.5kg
SHGW403-12-150	150W	120VAC, 50/60Hz	75 x 65 x 90mm	0.3kg
SHGW403-12-250	250W	120VAC, 50/60Hz	90 x 85 x 111mm	0.5kg
SHGW403-12-400	400W	120VAC, 50/60Hz	90 x 85 x 111mm	0.5kg

<sup>1</sup> at +20°C (+68°F) ambient temperature