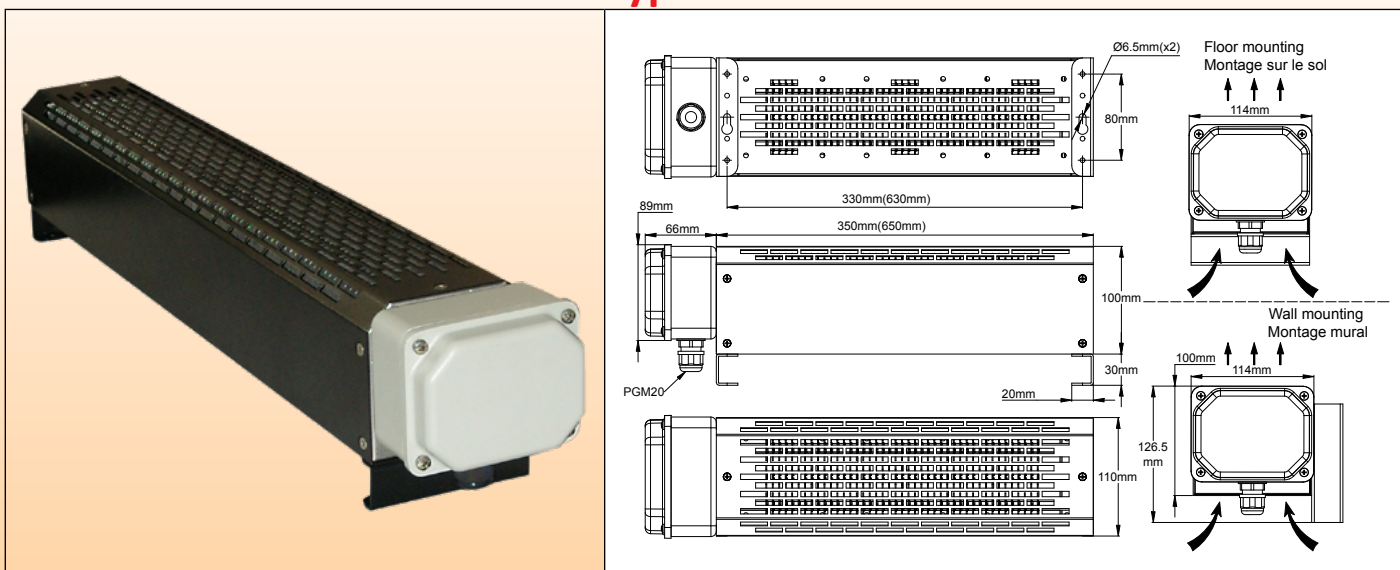




Commercial and industrial convection radiators

110mm compact range, IP65, without fan

Type 9CG1



Main applications

These heavy duty and very small sub-assemblies, are designed for assemblers, to be used as protected heating elements in professional applications, where the temperature control is added by the assembler.

According to the surface power chosen, they can be used in natural convection or fan heating.

They are waterproof and can be used outdoors. They exist with painted steel or stainless steel frame.

The main applications are heating of professional workshops, heating small volumes such as bungalows, crane cabins, construction equipment, wagons or locomotive cockpits, technical rooms, ovens, containers, dryers.

Main features

Dimensions: 2 body lengths: 350 or 650mm

Heaters: 3 finned elements in 304L stainless steel. Fins 25 × 50mm 304 stainless steel. Heating elements are TIG welded on their mounting bracket, which ensures a perfect seal.

Frame material: 0.8mm thick sheet, high strength (Withstands +100kg distributed load), two versions:

- Galvanized steel sheet with black epoxy paint
- 304 stainless steel sheet.

Connection housing: Die-cast aluminum with molded silicone gasket; IP65; gray epoxy paint; stainless steel screws. PA66, M20 cable gland output.

Mounting: 2 removable legs can be mounted under the frame (floor mounting) or on the side (wall mounting).

Internal electrical connection: 4 ways, 6mm², ceramic terminal block

Voltage: 3 heating elements, 230V, which allows a single-phase connection (heaters wired in parallel) or 3 phases connections (heaters wired in star). Alternative voltages available on request.

Power: 1500 to 4500W depending on model

Temperature range: -50 to +150°C

Surface load:

We recommend a maximum surface load of 3W/cm² (20W/in²) for applications in natural convection, and 4.5 W/cm² (30W/in²) for applications in fan heating (air speed > 2m/s).

These devices do not have a fan. It should, if necessary in the application, be installed by the assembler.

See section 2 of this catalog surface temperatures and air temperature in convection heating and fan heating.

Net weight: 3.3kg (350mm); 5.2kg (650mm)

Option: Manual reset safety limit, disc or capillary type. (The selection of the set point temperature depends on the application and must be specified by the assembler).

References with 230V power supply

Black painted steel frame					304 stainless steel frame				
References	Power (W)	L	W/cm ²	W/in ²	References	Power (W)	L	W/cm ²	W/in ²
9CG13N23023150EB	1500	350	3	20	9CG13N23023150E4	1500	350	3	20
9CG13N24523225EB	2250	350	4.5*	30	9CG13N24523225E4	2250	350	4.5*	30
9CG16N23023300EB	3000	650	3	20	9CG16N23023300E4	3000	600	3	20
9CG16N24523450EB	4500	650	4.5*	30	9CG16N24523450E4	4000	600	4.5*	30

*Air velocity ≥2m/s is mandatory

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice