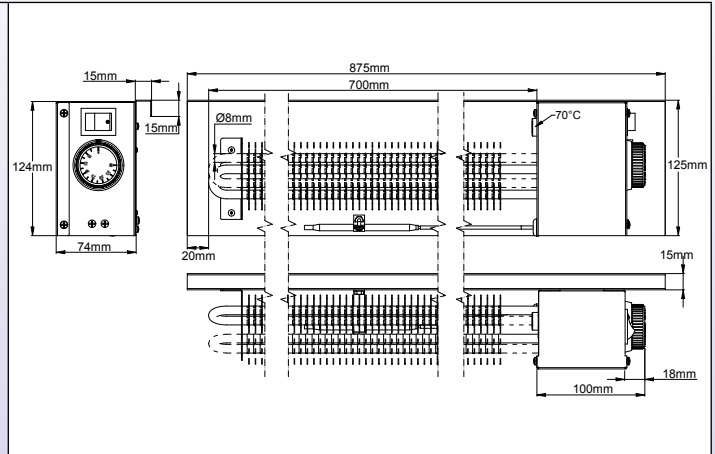
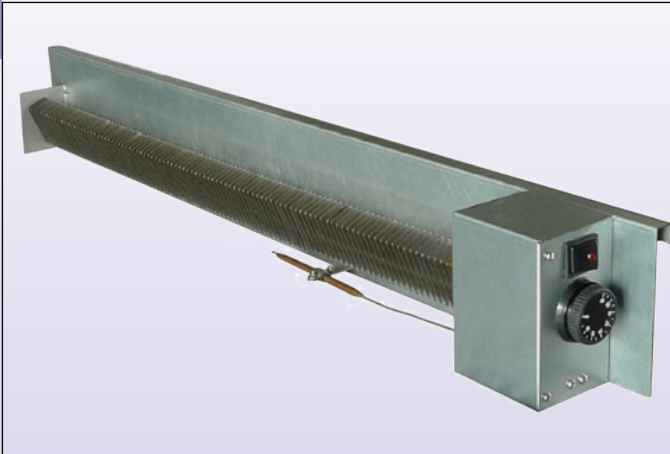


# Air heating elements for incorporation



Type with finned sheathed heating element, thermostat and high limit.

## Type 9SY



### Main applications

These heavy duty sub-assemblies are designed to allow remodeling operations in existing buildings and apartments, replacing old generation of electric heating convectors while preserving the existing locations and frames. Wall mounting by a U-rail at the rear allows easy positioning. The use of a sheathed stainless steel heating element gives an outstanding life span.

They are equipped with an adjustable thermostat, allowing local control of temperature. Their control circuit can also be controlled by a centralized control. A safety thermostat protects against the air flow outlet covering.

These models with fins allow a bigger power than the tubular sheathed models, and their surface temperature is lower.

### Main features

**Dimensions:** 875 × 124 × 74mm

**Frame material:** Electro-galvanized steel

**Heating elements:** One or two finned elements, stainless steel 304L, length 700mm.

**On-Off switch:** 2 poles rocker switch, illuminated

**High limit thermostat:** Disc, manual reset, open at 70°C, used to protect against obstruction of air inlet or outlets.

**Temperature control thermostat:** Bulb and capillary, temperature range 4-40°C

**Electrical connection:** Ceramic terminal block

**Surface load:**

For safe use in this application, we recommend a maximum surface load of 2.4 W/cm<sup>2</sup> (15.5 W/in<sup>2</sup>) for applications in natural convection (heating element surface temperature ~ 300°C), and 3.6 W/cm<sup>2</sup> (23.2W/in<sup>2</sup>) for applications in fan heating (heating element surface temperature ~ 300°C for an air velocity ~ 2.5m/s).

See, in last section of this catalog, surface temperatures and air temperature vs surface load, with and without fan.

**Voltage:** 230V. Other values on request

**Tolerances on power:** +5/-10%

**Warning:** Heating element surface can reach high temperature and may cause burns or ignition of flammable materials. The integrator must ensure that in its application, these heaters cannot be touched by the final user, and cannot come into contact with combustible materials. For this purpose he must follow the installation specification requested by local and applicable standards.

**Options:**

This product can be produced on demand with different lengths. (MOQ apply).

### Main references

One heating element				Two heating elements			
References	Total power (W)	W/cm <sup>2</sup>	W/in <sup>2</sup>	References	Total power (W)	W/cm <sup>2</sup>	W/in <sup>2</sup>
9SYL24GA123085EC	850	2.4	15.5	9SYL12GA223170EC	1700	2.4	15.5
9SYL36GA123125EC	1250	3.6	23.2	9SYL24GA223250EC	2500	3.6	23.2

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