Infrared radiators for room heating   WKS

Fig. 1:   Elstein WKS infrared radiator
           Top: Front of the heater. Bottom: Rear.

Insulation material

Elstein WKS infrared radiators are ceramic IR dark radiators, which are very suited for the requirements in room heating devices regarding material, geometry, function, design and mounting.

The flat plano-convex design in connection with the wave pattern onto the white glazed radiator surface generate a harmonious optical impression and enables building of space-saving room heaters.

With the help of the surrounding border of the radiator, room heating panels can be assembled by fixing WKS radiators to a carrying metal sheet with a metal frame or metal profiles. Room heaters can have the design of horizontal or vertical radiator lines, they can be mounted on stands or they can be installed in bigger sizes to wall and ceiling.

WKS radiators make building of heating systems with high radiation power and short heating-up time possible. The radiator's back has a thermally resistant insulation.

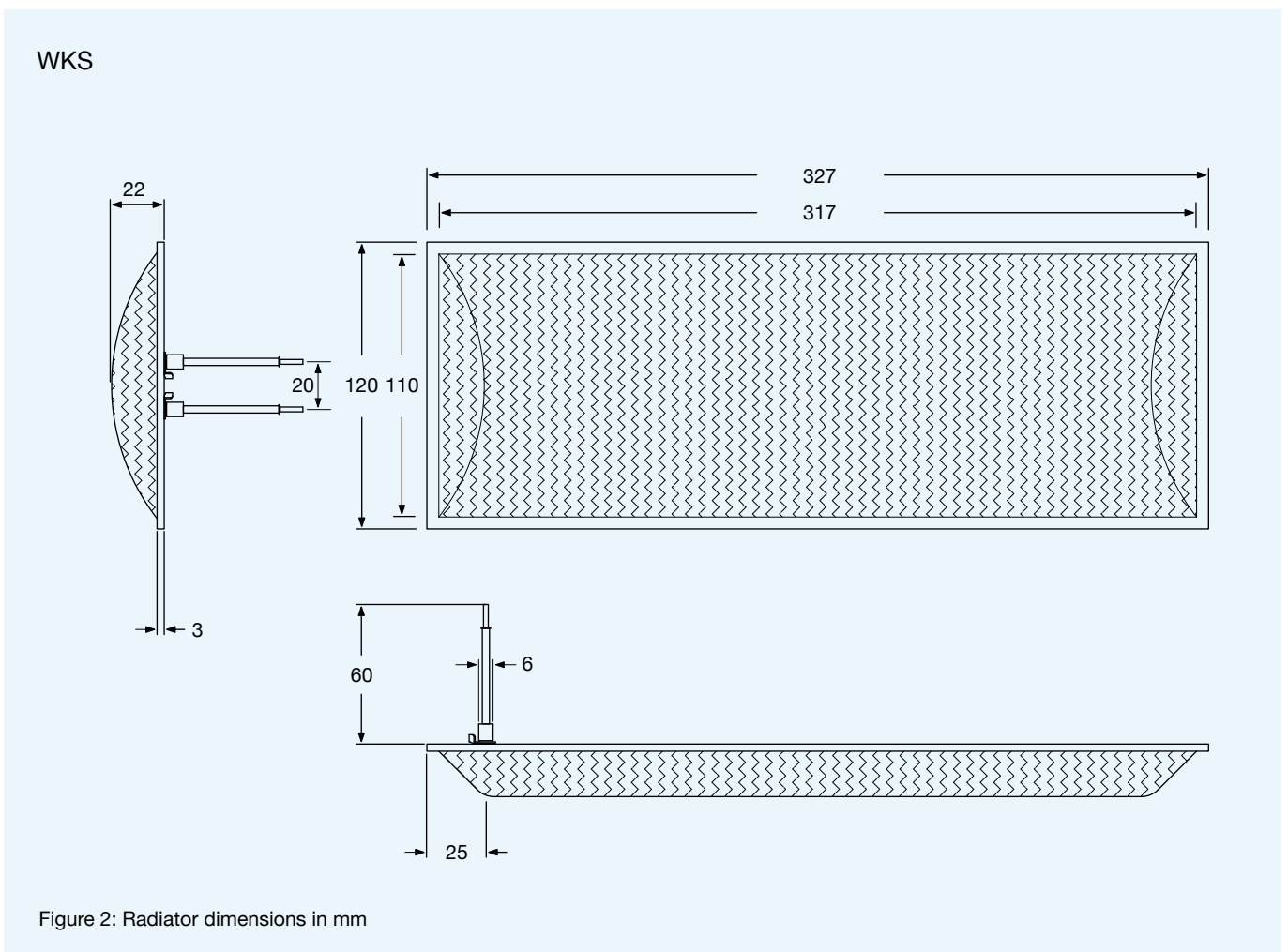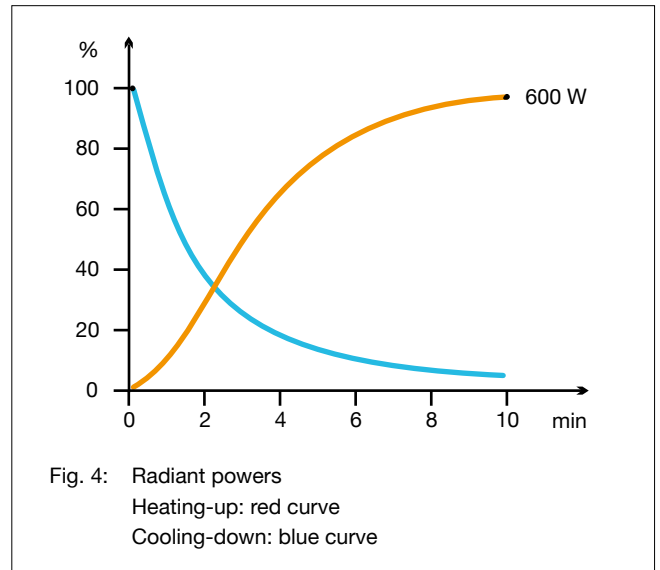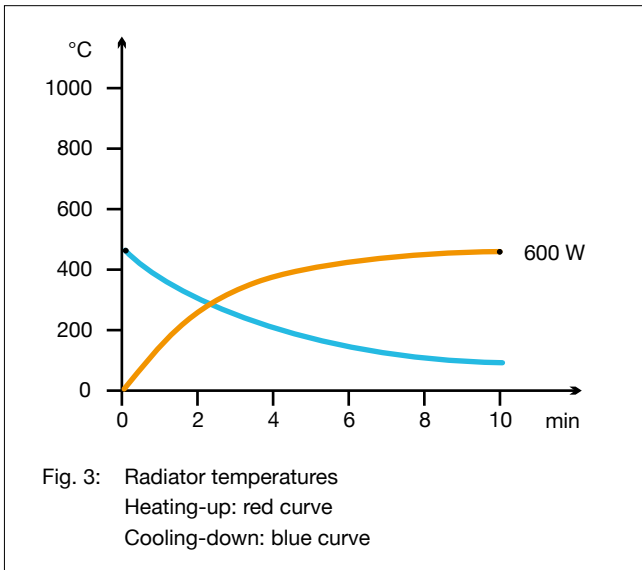Elstein WKS infrared radiators are available with powers up to 600 W.

WKS

Figure 2: Radiator dimensions in mm

Infrared radiators for room heating WKS

Fig. 3: Radiator temperatures
Heating-up: red curve
Cooling-down: blue curve

Fig. 4: Radiant powers
Heating-up: red curve
Cooling-down: blue curve

Type, weight, wattage WKS 260 g		400	600	W
Surface rating		9.6	14.4	kW/m²
Typical operating temperature		370	450	°C
Maximum permissible temperature		600	600	°C
Wavelength range		2 - 10		µm

Standard design	Thermocouple radiators	Variants
Operating voltage 230 V Ceramic full-pour casting White glaze Integrated thermal insulation Heater's back open Leads 60 mm Leads with insulating sleeve	Not available. For means of controlling output see below.	Special wattages Special voltages Extended leads Leads with ring terminals

The power can be controlled using proprietary power controllers of dimmers.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1 „Safety in electrical heating installations".

Our instructions for mounting, operation and safety must be observed.