

# Natural Convection Freestanding Convectors SC-H

## Technical Specifications

### 1. General Requirements

Natural convection freestanding convectors Konveka SC-H or equivalent, designed for heating systems. The heating capacities of the units shall be certified by an independent accredited laboratory according to European standard EN 442.

### 2. Casings

Casings are manufactured from steel, steel thickness – 1 mm. All casing parts are painted separately before assembly.

### 3. Painting

Powder coating using polyester–epoxy powders. Paint layer thickness – 80–100 microns. Minimum 5-stage chemical surface preparation before painting.

### 4. Heat Exchangers

Heat exchangers are manufactured from copper tubes and aluminium fins. Factory test pressure – 30 bar, maximum allowable working pressure – 25 bar. Heat exchangers are equipped with 1/8" air vents. Tubes and fittings are brazed using copper–silver–phosphorus alloy filler material. Heat exchangers are fixed using plastic fixing elements. Integrated protective elements prevent heat exchangers from contacting steel casing supports due to thermal expansion.

### 5. Legs

2–3 legs depending on casing length.

### 6. Mounting Accessories

All fixing accessories required for installation are supplied as standard.

### 7. Bill of Quantities Description

Natural convection freestanding convectors Konveka SC-H or equivalent, with:

- steel casings with thickness not less than 1.0 mm;
- steel grilles with profile thickness not less than 1.2 mm;
- copper–aluminium heat exchangers with air vents;
- protective elements preventing contact between heat exchangers and steel casing parts;
- heat exchanger fixing elements;
- maximum allowable working pressure 25 bar;
- all fixing accessories required for installation.

All casing parts shall be painted separately before assembly. The heating capacities of the units shall be certified by an independent accredited laboratory according to European standard EN 442.