

DESCRIPTION

The Carat range of dynamic nightstore heaters by Olsberg feature high-end technology in an attractive, classical, compact design. They have the heating elements in the air channels within the high density Feolite storage core for high-speed heat dissipation. The core is surrounded by layers of thermally efficient insulation, and contained within a compact metal cabinet. 2 year manufacturers warranty.

APPLICATION

The Carat is ideal for areas such as dining rooms, entranceways, stairways and halls - all areas that need to be heated but where the room temperature is not critical.

COMPLIANCES

- IEC 60335-1
- IEC 60335-2.30

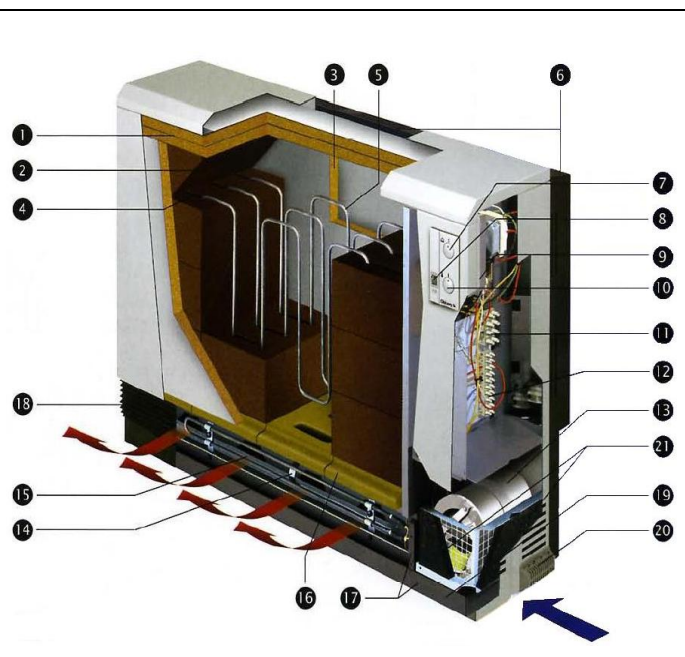
CONSTRUCTION

- Chrome Nickel heating element with variable heater element connections for 8, 10, or 12 hr charge.
- High density Feolite storage core.
- Double skinned Microtherm insulation at top and sides, Multitherm at sides, Microtherm insulation front and rear.
- Capillary tube charge regulator.
- Bi-metal discharge regulator with air-mixing plate.
- Over temperature safety protection switch.
- Low noise radial fan with fluff filter.
- Powder coated metal body.
- Colour – RAL 9010 White, Trim colour – RAL 7024 Grey.
- Single Phase and 3 Phase 50Hz.
- IP21 drip proof.



Model	Type	Nominal Charge (kWh)	Storage Capacity (kWh)	Width (mm)	Height (mm)	Depth* (mm)	Mass (kg)
14/512-3	Dynamic	1.7	16.0	575	640	270*	100
14/513-3	Dynamic	2.5	24.0	750	640	270*	140
14/514-3	Dynamic	3.3	32.0	925	640	270*	180
14/515-3	Dynamic	4.2	40.0	1135	640	270*	225
14/516-3	Dynamic	5.0	48.0	1310	640	270*	165
14/517-3	Dynamic	5.8	56.0	1310	640	270*	347

* Including integral wall spacer.



- 1 Double-skinned insulation: Microtherm at top and sides, Multitherm at sides
- 2 Storage core
- 3 Microtherm insulation front and rear
- 4 Air channel
- 5 Sheathed heating element
- 6 Grey setback rear panel with integral clearance grill
- 7 Charge regulator with recessible operating knobs
- 8 Day acting element switch
- 9 High temperature safety cut-out
- 10 Integral room thermostat with recessible operating knob (optional extra)
- 11 Heating element connecting strip, variable connection for different ratings
- 12 Connecting terminal block
- 13 Low noise radial fan
- 14 Bi-metal with air-mixing plate; system optimised for outlet temperature & noise
- 15 Day acting element with safety cut-out (optional extra)
- 16 Vermiculite insulation
- 17 Stable plinth construction
- 18 Moulded aluminium grille
- 19 Base with moulded feet
- 20 Room temperature sensor for integral room thermostat
- 21 Fluff filter

INSTALLATION

- The heater is positioned on its feet against a load-bearing wall, and secured to the wall with screws.
- Ensure a minimum clearance of 250mm above the heater and 100mm from the sides is maintained.
- An external thermostat is required to regulate the internal fan.

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