



CLIMATE DESIGNERS

# Knockonwood DBE freestanding

## Fully pre-mounted

### Material

DBE technology.

Low-H<sub>2</sub>O heat exchanger is composed of round, seamless circulation tubes made of pure red copper, with pure aluminium fins and two brass collectors for left or right 1/2" same end connection.

- air vent 1/8" and drain cock 1/2" are included
- pressure test: 20 bar
- working pressure: 10 bar
- covering with integrated grilles consisting of four curved veneered wood laminate panels measuring minimum 16 mm. Partly FSC labelled
- chassis from electrolytic, galvanized steel plate of 1.25 mm thick, with integrated Jaga valve
- feet with pipe for guards lacquered in sandblast grey metallic 001

### Colour

Heat exchanger electrostatically lacquered with anthracite grey epoxy-polyester RAL 7024, gloss degree 70%. Sides and chassis in the colour sandblast grey metallic lacquered.

The coating is a scratch resistant epoxy-polyester powder, sprayed electrostatically and baked at a temperature of 200 °C. UV-resistant due to ASTM G53.

Panels with integrated grilles finished with veneer, inside koto veneer, outside in: oak / oak bleached / mahogany / oak wenge-colour / beech / beech bleached / maple / walnut / zebrano veneer (Partly FSC labeled).

The surface temperature remains safe at all times, even at a water temperature of 90 °C. Knockonwood complies with the safety requirement DHSS DN4 1992.

Chassis sandblast grey metallic 001 lacquered.

Manufacturer: Jaga

Type: Knockonwood freestanding

Outputs meet standard EN442.

Connection sleeve couplings:

Eurocone  $\frac{3}{4}$

### How to install

The building services engineer chooses the heating elements considering the following conditions:

- a heat output calculation according to the standard.
- tables of heat outputs and dimensions for Knockonwood DBE, according to EN 442.
- the normal fitting position for the heating elements is under the window, and to achieve the most aesthetically pleasing appearance the casing should not be wider than the total width of the window. The height of the casing has to be a function of the heat loss calculations; aesthetically narrower types are preferable.
- when only small outputs are required, the casing can be extended, if necessary, to fill up the total window space
- the minimum space requirement under the heating elements is: type 15 and 16: 12 cm
- as minimum space between the top of the casing and the extended window sills, the above mentioned dimensions have to be applied.
- the heat exchangers will be connected to a **one pipe system / two pipe system**, with a same side end connection. The heat exchangers are equipped with 1/2" brass collector, 1/8" air vent and a 1/2" drain cock. The flow valve always has to be fitted to the top connection of the heat exchanger. The specially designed

thermostatic Jaga Danfoss / Jaga / Jaga-Pro / Jaga-Top valves / can be connected to plastic central heating service pipes/ RPE-ALU. tube / copper tube / steel pipe. The valve body is concealed within the standard casing

- Jaga thermostatic heads / Jaga Deco thermostatic heads chrome / Jaga Deco thermostatic heads chrome/white ./ Jaga Comap thermostatic heads silver / remote controlled Jaga thermostatic heads / Jaga Deco thermostatic heads chrome/white with sensor at distance / **not to be fitted.**