

## Product Fiche

**Manufacturer / Address:** Eurofred S.A./ c/Marqués de Sentmenat, 97, 08029

Barcelona, Spain;

**Models:** AOWD-MB LOGIK-45TK;

**Medium-temperature application of heat pump combination heaters:** YES;

**Load profiles of water heaters:** XL;

**Space heating Energy efficiency classes:** A++;

**Water heating Energy efficiency classes:** A;

**Rated heat output (average climate conditions):** 13kW;

**Space heating energy efficiency (average climate conditions):** 138%;

**Water heating energy efficiency (average climate conditions):** 110%;

**Space heating annual energy consumption (average climate conditions):** 7769kWh;

**Water heating annual electricity consumption (average climate conditions):** 1518kWh;

**Sound power level (indoor):** 7 dB(A);

**Specific precautions when the combination heater is assembled, installed or maintained:**

(1) Before installation, please check if the adopted power is accordance with that listed on nameplate, and check the safety of power;

(2) Before using, please check and confirm if wires and water pipes are connected correctly to avoid water leakage, electric shock or fire etc.;

(3) Don't operate the unit with wet hand, and don't allow children to operate the unit;

(4) The On/off in the instruction is for the operation to on and off button of PCB for users; cut off power means to stop supplying power to the unit;

(5) Don't directly expose the unit under the corrosive ambient with water or dampness;

(6) Don't operate the unit without water in water tank .The air outlet/inlet of unit cannot be blocked by other objects;

(7) The water in unit and pipeline should be discharged if the unit is not in use, to prevent the water tank, pipe line and water pump from frost-cracking;

(8) Never press the button with sharp objects to protect manual controller. Never use other wires instead of special communication line of the unit to protect control elements. Never clean the manual controller with benzene, thinner or chemical cloth to avoid fading of surface and failure of elements. Clean the unit with the cloth soaked in neutral eradicator. Slightly clean the display screen and connecting parts to avoid fading;

(9) The power cord must be separated with the communication line.

**Rated heat output (colder climate conditions):** 13kW;

**Rated heat output (warmer climate conditions):** 15kW;

**Space heating energy efficiency(colder climate conditions):** 118%;

**Space heating energy efficiency(warmer climate conditions):** 159%;

**Water heating energy efficiency(colder climate conditions):** 87%;

**Water heating energy efficiency(warmer climate conditions):** 113%;

**Space heating annual energy consumption (colder climate conditions):** 10373kWh;

**Space heating annual energy consumption (warmer climate conditions):** 4801kWh;

**Water heating annual electricity consumption (colder climate conditions):** 1924kWh;

**Water heating annual electricity consumption (warmer climate conditions):** 1475kWh;

**Sound power level (outdoor):** 68 dB(A);



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