

Product information sheet

as required by the EU Commission Regulation No. 811/2013 and 813/2013

Model/s: **THERM 45 KD.A**

Condensing boiler: YES

Low-temperature (**) boiler: NO

B1 boiler: NO

Combination heater: NO

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Seasonal space heating energy efficiency class	A			Seasonal space heating energy efficiency	η_s	91	%
Rated heat output	P_{rated}	45	kW				
For boiler space heaters and boiler combination heaters: Useful heat output				For boiler space heaters and boiler combination heaters: Useful efficiency			
At rated heat output and high-temperature regime (*)	P_4	41,70	kW	At rated heat output and high-temperature regime (*)	η_4	87,80	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	8,76	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	95,80	%
Auxiliary electricity consumption				Other items			
At full load	eI_{max}	0,141	kW	Standby heat loss	P_{siby}	0,071	kW
At part load	eI_{min}	0,095	kW	Ignition burner power consumption	P_{ign}		kW
In standby mode	P_{SB}	0,004	kW	Emissions of nitrogen oxides	NO_x	35	mg/kWh
				Sound power level, indoors	L_{WA}	64	dB
For combination heaters:							
Water heating energy efficiency class				Water heating energy efficiency	η_{wh}		%
Declared load profile							
Daily electricity consumption	Q_{elec}		kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC		kWh	Annual fuel consumption	AFC		GJ

(*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(**) Low temperature means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).