

Product information sheet

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

Model/s: **THERM 20 LXZE.A 5**

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	C			Seasonal space heating energy efficiency	η_s	78	%
Rated heat output	P_{rated}	20	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	20,00	kW	At rated heat output and high-temperature regime (*)	η_4	83,09	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	4,21	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	81,50	%
Auxiliary electricity consumption				Other items			
At full load	eI_{max}	0,065	kW	Standby heat loss	P_{siby}	0,186	kW
At part load	eI_{min}	0,580	kW	Ignition burner power consumption	P_{ign}		kW
In standby mode	P_{SB}	0,004	kW	Emissions of nitrogen oxides	NO_x	19	mg/kWh
				Sound power level, indoors	L_{WA}	57	dB
For combination heaters:							
Water heating energy efficiency class	B			Water heating energy efficiency	η_{wh}	71	%
Declared load profile	L						
Daily electricity consumption	Q_{elec}	0,111	kWh	Daily fuel consumption	Q_{fuel}	17,602	kWh
Annual electricity consumption	AEC	24	kWh	Annual fuel consumption	AFC	13	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).