

# Product information sheet

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

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

Condensing boiler: YES

Low-temperature (\*\*) boiler: NO

B1 boiler: NO

Combination heater: NO

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency class</b>	<b>C</b>			<b>Seasonal space heating energy efficiency</b>	$\eta_s$	<b>78</b>	%
<b>Rated heat output</b>	$P_{rated}$	<b>20</b>	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 (*)	$\eta_4$	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 (**)	$\eta_1$	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:							
<b>Water heating energy efficiency class</b>	<b>A</b>			<b>Water heating energy efficiency</b>	$\eta_{wh}$	<b>75</b>	%
<b>Declared load profile</b>	<b>L</b>						
Daily electricity consumption	$Q_{elec}$	0,105	kWh	Daily fuel consumption	$Q_{fuel}$	16,473	kWh
Annual electricity consumption	$AEC$	23	kWh	Annual fuel consumption	$AFC$	12	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).