

PRODUCT FICHE

Information requirements for boiler space heaters, boiler combination heaters and cogeneration space heaters
 (COMMISSION DELEGATED REGULATIONS No. 811-814/2013)

Model(s):	C38GC29v1, CONDENS PLUS 100 29		
Condensing boiler [yes/no]:	yes		
Low-temperature (**) boiler [yes/no]:	yes		
B1 boiler [yes/no]:	no		
Cogeneration space heater [yes/no]:	no	If yes, equipped with a supplementary heater: [yes/no]: no	
Combination heater [yes/no]:	yes		

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	P_{rated}	28	kW	Seasonal space heating energy efficiency	η_s	91	%
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	28,0	kW	At rated heat output and high-temperature regime (*)	η_4	87	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	3	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	95	%
Auxiliary electricity consumption				Other items			
At full load	el_{max}	0,088	kW	Standby heat loss	P_{stby}	0,4	kW
At part load	el_{min}	0,076	kW	Ignition burner power consumption	P_{ign}	0,0	kW
In standby mode	P_{SB}	0,004	kW	Emissions of nitrogen oxides	NO_x	14	mg/kWh
				Noise level	L_{WA}	48	dB

For combination heaters:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	79,44	%
Daily electricity consumption	Q_{elec}	0,15	kWh	Daily fuel consumption	Q_{fuel}	24,99	kWh
Annual electricity consumption	AEC	54,75	kWh	Annual fuel consumption	AFC	19,78	GJ

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(*) 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).

Seasonal space heating energy efficiency class:
 Water heating energy efficiency class:

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A