

PRODUCT INFORMATION

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

Model(s):	C34GV24, Green 24		
Condensing boiler [yes/no]:	Yes, atmospheric combustion boiler and condenser recuperator		
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}	24	kW	Seasonal space heating energy efficiency	η_s	88	%
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	24	kW	At rated heat output and high-temperature regime (*)	η_4	88	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	7	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	91	%
Auxiliary electricity consumption				Other items			
At full load	e_{lmax}	0,081	kW	Standby heat loss	P_{stby}	0,3	kW
At part load	e_{lmin}	0,070	kW	Ignition burner power consumption	P_{ign}	0,0	kW
In standby mode	P_{SB}	0,003	kW	Emissions of nitrogen oxides	NO_x	149	mg/kWh
				Noise level	LWA	48	dB

For combination heaters:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	72,73	%
Daily electricity consumption	Q_{elec}	0,1073	kWh	Daily fuel consumption	Q_{fuel}	7,189	kWh
Annual electricity consumption	AEC	39,16	kWh	Annual fuel consumption	AFC	9,44	GJ
Contact details: office.vaduri@kober.ro www.motan.ro Telephone: 0233 241746 Fax: 0233 241929				Name and address of the manufacturer: KOBER Ltd VADURI Branch, Piatra Neamt town, Neamt District, Romania			

(*) 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:

B
A

KOBER Ltd Vaduri Branch, 01.07.2017

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