

## PRODUCT INFORMATION

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

Model(s):	<b>C34GV24-PV2, CONDENS 050 24</b>
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
<b>Rated heat output</b>	$P_{rated}$	24	kW
For boiler space heaters and boiler combination heaters: Useful heat output			
At rated heat output and high-temperature regime (*)	$P_4$	24	kW
At 30 % of rated heat output and low-temperature regime (**)	$P_1$	7	kW
Auxiliary electricity consumption			
At full load	$e_{lmax}$	0,081	kW
At part load	$e_{lmin}$	0,070	kW
In standby mode	$P_{SB}$	0,003	kW
Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	$\eta_s$	88	%
For boiler space heaters and boiler combination heaters: Useful efficiency			
At rated heat output and high-temperature regime (*)	$\eta_4$	88	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	91	%
Other items			
Standby heat loss	$P_{stby}$	0,3	kW
Ignition burner power consumption	$P_{ign}$	0,0	kW
Emissions of nitrogen oxides	$NO_x$	149	mg/kWh
Noise level	$LWA$	48	dB

For combination heaters:			
Item	Symbol	Value	Unit
<b>Declared load profile</b>		XL	
Daily electricity consumption	$Q_{elec}$	0,145	kWh
Annual electricity consumption	$AEC$	52,92	kWh
<b>Water heating energy efficiency</b>	$\eta_{wh}$	87,04	%
Daily fuel consumption	$Q_{fuel}$	19,85	kWh
Annual fuel consumption	$AFC$	15,62	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:

**B**  
**A**

KÖBER Ltd Vaduri Branch, 01.02.2021

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