

VITODENS CLASSIC

BPKB-25

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Product data	Symbol	Unit	BPKB-25
Average temperature application for central heating			yes
Declared load profile			XL
reference energy	Q_{ref}	kWh	19,07
Seasonal space heating energy efficiency			A
Water heating energy efficiency classes			A
Rated heat output	P_{rated}	kW	23
Annual energy consumption	Q_{HE}	kWh	11867
Annual electricity consumption	AEC	kWh	47
Annual fuel consumption	AFC	kWh	4858
Seasonal space heating energy efficiency	η_s	%	92
Water heating energy efficiency	η_{wh}	%	84
sound power level indoors	L_{WA}	dB	51
able to work only during off-peak hours			no

For all special precautions to be taken during assembly, installation or maintenance of the space heater, see the service and installation instructions.

Model	Symbol	Unit	BPKB-25
Condensing boiler			yes
Low-temperature boiler			no
B1 boiler			no
Cogeneration space heater			no
Combination heater			yes

Rated heat output / Seasonal space heating energy efficiency	Symbol	Unit	BPKB-25
Useful heat output at rated heat output and high-temperature regime	P_4	kW	22,8
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	7,6
Useful efficiency at rated heat output and high-temperature regime	η_4	%	87,3
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	96,9

Auxiliary electricity consumption	Symbol	Unit	BPKB-25
Auxiliary electricity consumption at full load	el_{max}	kW	0,018
Auxiliary electricity consumption at part load	el_{min}	kW	0,012
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,0028

Other details	Symbol	Unit	BPKB-25
Standby heat loss	P_{stby}	kW	0,0547
ignition burner power consumption	P_{ign}	kW	0
Emissions of nitrogen oxides	NO_x	mg/kWh	45,1

Hot Water Preparation	Symbol	Unit	BPKB-25
Daily electricity consumption	Q_{elec}	kWh	0,216
Daily fuel consumption	Q_{fuel}	kWh	23,1



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Criterion	Energy efficiency category, temperature controller	Contribution, central heating energy efficiency
<ul style="list-style-type: none"> • Room thermostat which switches the heat source on/off 	1	1 %
<ul style="list-style-type: none"> • Weather-compensated control • Modulating heat source 	2	2 %
<ul style="list-style-type: none"> • Weather-compensated control • Non-modulating heat source 	3	1,5 %
<ul style="list-style-type: none"> • Room thermostat with TPI (Time Proportional Integral) properties • Non-modulating heat source 	4	2 %
<ul style="list-style-type: none"> • Modulating room thermostat • Modulating heat source 	5	3 %
<ul style="list-style-type: none"> • Weather compensation, control unit • Modulating heat source • Room temperature sensor in conjunction with room hook-up 	6	4 %
<ul style="list-style-type: none"> • Weather compensation, control unit • Non-modulating heat source • Room temperature sensor in conjunction with room hook-up 	7	3,5 %
<ul style="list-style-type: none"> • Individual room control with min. 3 room temperature sensors • Modulating heat source 	8	5 %