

VITODENS 100-W

WB1B-13, WB1B-16, WB1B-19, WB1B-26, WB1B-35

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

Product data	Symbol	Unit	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Seasonal space heating energy efficiency			A	A	A	A	A
Rated heat output	P_{rated}	kW	12	15	17	24	32
Seasonal space heating energy efficiency	η_s	%	93	93	93	93	94
Annual energy consumption	Q_{HE}	kWh	8298	9472	10647	13456	17932
sound power level indoors	L_{WA}	dB	48	48	49	49	48

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	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Condensing boiler			yes	yes	yes	yes	yes
Low-temperature boiler			yes	yes	yes	yes	yes
B1 boiler			no	no	no	no	no
Cogeneration space heater			no				
Combination heater			no				

Rated heat output	Symbol	Unit	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Useful heat output at rated heat output and high-temperature regime	P_4	kW	11,9	14,6	17,4	23,9	32,1
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	3,57	4,88	5,79	7,92	10,7

Seasonal space heating energy efficiency	Symbol	Unit	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Useful efficiency at rated heat output and high-temperature regime	η_4	%	87,9	88	88,1	88,1	88,3
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	98,3	97,9	97,9	98,5	98,5

Auxiliary electricity consumpt	Symbol	Unit	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Auxiliary electricity consumption at full load	e_{max}	kW	0,02	0,019	0,019	0,022	0,025
Auxiliary electricity consumption at part load	e_{min}	kW	0,017	0,011	0,011	0,013	0,014
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004	0,004	0,004	0,004

Other details	Symbol	Unit	WB1B-13	WB1B-16	WB1B-19	WB1B-26	WB1B-35
Standby heat loss	P_{stby}	kW	0,06	0,06	0,06	0,059	0,058
ignition burner power consumption	P_{ign}	kW	-	-	-	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	29	29	29	57	45



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

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 %