

VITODENS 200-W

B2HE-11, B2HE-19, B2HE-25, B2HE-32

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

Product data	Symbol	Unit	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Seasonal space heating energy efficiency			A	A	A	A
Rated heat output	P_{rated}	kW	10	18	23	29
Seasonal space heating energy efficiency	η_s	%	92	93	94	94
Annual energy consumption	Q_{HE}	kWh	5348	8473	10839	13404
sound power level indoors	L_{WA}	dB	36	42	46	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	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Condensing boiler			-	-	-	-
Low-temperature boiler			-	-	-	-
B1 boiler			-	-	-	-
Cogeneration space heater			no			
Combination heater			no			

Rated heat output	Symbol	Unit	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Useful heat output at rated heat output and high-temperature regime	P_4	kW	10,1	17,5	23	29,3
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	3,3	5,8	7,6	9,8

Seasonal space heating energy efficiency	Symbol	Unit	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Useful efficiency at rated heat output and high-temperature regime	η_4	%	87,7	88,2	88,7	88,4
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	97,8	97,9	98,8	98,7

Auxiliary electricity consumpt	Symbol	Unit	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Auxiliary electricity consumption at full load	e_{max}	kW	0,016	0,017	0,019	0,021
Auxiliary electricity consumption at part load	e_{min}	kW	0,015	0,015	0,016	0,016
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004	0,004	0,004

Other details	Symbol	Unit	B2HE-11	B2HE-19	B2HE-25	B2HE-32
Standby heat loss	P_{stby}	kW	0,0053	0,0053	0,0053	0,0053
ignition burner power consumption	P_{ign}	kW	-	-	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	16	20	22	23



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 %