

VITODENS 200-W

B2HF-11, B2HF-19, B2HF-25, B2HF-32

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

Product data	Symbol	Unit	B2HF-11	B2HF-19	B2HF-25	B2HF-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	5130	8258	10511	13191
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	B2HF-11	B2HF-19	B2HF-25	B2HF-32
Condensing boiler			yes	yes	yes	yes
Low-temperature boiler			no	no	no	no
B1 boiler			no	no	no	no
Cogeneration space heater					no	
Combination heater					no	

Rated heat output	Symbol	Unit	B2HF-11	B2HF-19	B2HF-25	B2HF-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	B2HF-11	B2HF-19	B2HF-25	B2HF-32
Useful efficiency at rated heat output and high-temperature regime	η_4	%	87,7	88,2	88,3	88,4
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	97,8	97,9	98,6	98,7

Auxiliary electricity consumpt	Symbol	Unit	B2HF-11	B2HF-19	B2HF-25	B2HF-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	0,0047	0,0047	0,0047	0,0047

Other details	Symbol	Unit	B2HF-11	B2HF-19	B2HF-25	B2HF-32
Standby heat loss	P_{stby}	kW	0,0525	0,0525	0,0525	0,0525
ignition burner power consumption	P_{ign}	kW	0	0	0	0
Emissions of nitrogen oxides	NO_x	mg/kWh	17	21	23	25



Product fiche Energy efficiency category temperature controller

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 %