

VITODENS 050-W

B0HA-19, B0HA-25

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

Product data	Symbol	Unit	B0HA-19	B0HA-25
Seasonal space heating energy efficiency			A	A
Rated heat output	P_{rated}	kW	17,5	23
Seasonal space heating energy efficiency	η_s	%	92	92
Annual energy consumption	Q_{HE}	kWh	8841	11196
sound power level indoors	L_{WA}	dB	46	49

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	B0HA-19	B0HA-25
Condensing boiler			yes	yes
Low-temperature boiler			no	no
B1 boiler			no	no
Cogeneration space heater			no	
Combination heater			no	

Rated heat output	Symbol	Unit	B0HA-19	B0HA-25
Useful heat output at rated heat output and high-temperature regime	P_4	kW	17,6	23,1
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	5,85	7,7

Seasonal space heating energy efficiency	Symbol	Unit	B0HA-19	B0HA-25
Useful efficiency at rated heat output and high-temperature regime	η_4	%	87,8	87,9
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	97,3	97,4

Auxiliary electricity consumpt	Symbol	Unit	B0HA-19	B0HA-25
Auxiliary electricity consumption at full load	e_{max}	kW	0,015	0,015
Auxiliary electricity consumption at part load	e_{min}	kW	0,018	0,021
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,0039	0,0039

Other details	Symbol	Unit	B0HA-19	B0HA-25
Standby heat loss	P_{stby}	kW	0,0547	0,0547
ignition burner power consumption	P_{ign}	kW	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	34,95	34,53



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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 %