

## VITODENS 100-W

B1HC-19, B1HC-26, B1HC-30, B1HC-35

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

Product data	Symbol	Unit	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Seasonal space heating energy efficiency			A	A	A	A
Rated heat output	$P_{\text{rated}}$	kW	17	24	27	32
Seasonal space heating energy efficiency	$\eta_s$	%	93	93	93	94
Annual energy consumption	$Q_{\text{HE}}$	kWh	9333	12086	14151	15957
sound power level indoors	$L_{\text{WA}}$	dB	41	47	48	52

**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	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Condensing boiler			yes	yes	yes	yes
Low-temperature boiler			yes	yes	yes	yes
B1 boiler			no	no	no	no
Cogeneration space heater					no	
Combination heater					no	

Rated heat output	Symbol	Unit	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Useful heat output at rated heat output and high-temperature regime	$P_4$	kW	17,4	23,8	27,5	32,1
Useful heat output at 30 % of rated heat output and low-temperature regime	$P_1$	kW	5,8	8	9,1	10,7

Seasonal space heating energy efficiency	Symbol	Unit	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Useful efficiency at rated heat output and high-temperature regime	$\eta_4$	%	87,9	88,1	88,2	88,3
Useful efficiency at 30 % of rated heat output and low-temperature regime	$\eta_1$	%	98,5	98,5	98,5	98,5

Auxiliary electricity consumpt	Symbol	Unit	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Auxiliary electricity consumption at full load	$e_{\text{max}}$	kW	0,03	0,028	0,023	0,025
Auxiliary electricity consumption at part load	$e_{\text{min}}$	kW	0,015	0,014	0,013	0,014
Auxiliary electricity consumption in standby mode	$P_{\text{SB}}$	kW	0,003	0,003	0,003	0,003

Other details	Symbol	Unit	B1HC-19	B1HC-26	B1HC-30	B1HC-35
Standby heat loss	$P_{\text{stby}}$	kW	0,06	0,059	0,058	0,058
ignition burner power consumption	$P_{\text{ign}}$	kW	-	-	-	-
Emissions of nitrogen oxides	$\text{NO}_x$	mg/kWh	29	49	51	38



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