

Model	Wallstar 2 12-20 kW
Controller	On/Off Thermostat
Condensing Boiler	Yes
Low-temperature Boiler	No
B <sub>II</sub> Boiler	No
Flue Type	C

Item	Symbol	Value	Unit
Rated Heat Output	$P_{\text{rated}}$	20.0	kW

#### Useful Efficiency

At rated heat output and high-temperature regime	$\eta_4$	90.31	%
At 30% of rated heat output and low-temperature regime	$\eta_1$	96.81	%

#### Useful Heat Output

At rated heat output and high-temperature regime	$P_4$	20.000	kW
At 30% of rated heat output and low-temperature regime	$P_1$	6.000	kW

#### Auxiliary Electrical Consumption

At full load	$eI_{\text{MAX}}$	0.130	kW
At part load	$eI_{\text{MIN}}$	0.044	kW
In standby mode	$P_{\text{SB}}$	0.0000	kW

#### Other Items

Standby heat loss	$P_{\text{STBY}}$	0.066	kW
Seasonal space heating efficiency	$\eta_s$	91.00	%
ErP Efficiency Class		A	
Sound power level indoors	$L_{\text{WA}}$	**	dB
Emission of nitrogen oxides NO <sub>x</sub>		51	mg/kWh
Annual energy consumption	$Q_{\text{HE}}$	63.4	GJ

## Ecodesign Data

Parameters relevant to Commission regulation (EU) No 813/2013 implementing directive 2009/12/EEC

