

Model	Wallstar Combi 24/18 kW
Controller	On/Off Thermostat
Pump	Yes
Condensing Boiler	Yes
Low-temperature Boiler	No
B _{II} Boiler	No
Combination Space Heater	Yes
Flue Type	C

Item	Symbol	Value	Unit
Rated Heat Output	P_{rated}	24.0	kW

Useful Efficiency

At rated heat output and high-temperature regime	η_4	90.42	%
At 30% of rated heat output and low-temperature regime	η_1	95.33	%

Useful Heat Output

At rated heat output and high-temperature regime	P_4	24.000	kW
At 30% of rated heat output and low-temperature regime	P_1	7.200	kW

Auxiliary Electrical Consumption

At full load	eI_{MAX}	0.131	kW
At part load	eI_{MIN}	0.042	kW
In standby mode	P_{SB}	0.001	kW

Other Items

Standby heat loss	P_{STBY}	0.120	kW
Seasonal space heating efficiency	η_s	90.00	%
ErP Efficiency Class		A	
Sound power level indoors	L_{WA}	47	dB
Emission of nitrogen oxides NO _x		60	mg/kWh
Annual energy consumption	Q_{HE}	76.9	GJ

Water Heating Energy Efficiency

Applied load profile		XL	
Water heating energy efficiency	η_{WH}	76.00	%
Water heating energy efficiency class		B	

Daily Energy Consumption

Oil	Q_{FUEL}	26.442	kWh
Electricity	Q_{ELEC}	0.200	kWh

Annual Energy Consumption

Oil	AEC	19.6	GJ
Electricity	AEC	43.9	kWh
Sound power level indoors	L_{WA}	47	dB

Ecodesign Data

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

