

QUANTEC COMBI 24C ErP PRODUCT FICHE

EU Regulations No. 811/2013 and No. 812/2013 supplementing Directive 2010/30/EU.

QUANTEC MODEL	24C		
PRODUCT DATA	SYMBOL	VALUE	UNIT
Condensing boiler	-	Yes	-
Low temperature boiler	-	No	-
B11 Boiler	-	No	-
Cogeneration space heater	-	No	-
Combination Heater	-	Yes	-
Rated heat output	P_{rated}	16	kW
Seasonal space heating energy efficiency	η_s	94	%
Energy efficiency class	-	A	-
USEFUL HEAT OUTPUT			
At rated heat output and high temperature regime	P_4	16.3	kW
At 30% of rated heat output and low temperature regime	P_1	5.5	kW
USEFUL EFFICIENCY			
At rated heat output and high temperature regime	η_4	88.8	%
At 30% of rated heat output and low temperature regime	η_1	98.1	%
AUXILLARY ELECTRICITY CONSUMPTION			
At full load	eI_{max}	0.068	kW
At part load	eI_{min}	0.048	kW
In standby mode	P_{SB}	0.002	kW
OTHER ITEMS			
Standby heat loss	P_{SB}	0.099	kW
Ignition burner power consumption	P_{ign}	0	kW
Sound power level indoors	L_{WA}	45	dB
ADDITIONAL DATA FOR COMBINATION HEATERS			
Declared load profile	M		
Daily electricity consumption	Q_{elec}	0.114	kWh
Annual electricity consumption	AEC	25	kWh
Daily fuel consumption	Q_{fuel}	7.65	kWh
Annual fuel consumption	AFC	468	Gj
Water heating energy efficiency	η_{wk}	78	%
Water heating energy efficiency class	-	A	-

1. High temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater output.
2. Low temperature means for condensing boiler 30°C, for low temperature boilers 37°C and for other heaters 50°C return temperature (at heater).

