

QUANTEC COMBI HR28C PRODUCT FICHE

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

TABLE 1. ErP TECHNICAL DATA		HR28C		
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}	21	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	21.4	kW	
At 30% of rated heat output and low temperature regime	P_1	7.3	kW	
USEFUL EFFICIENCY				
At rated heat output and high temperature regime	η_4	87.9	%	
At 30% of rated heat output and low temperature regime	η_1	98.8	%	
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		XL		
Daily electricity consumption	Q_{elec}	0.112	kWh	
Annual electricity consumption	AEC	24	kWh	
Daily fuel consumption	Q_{fuel}	21.03	kWh	
Annual fuel consumption	AFC	16.7	Gj	
Water heating energy efficiency	η_{wk}	91.4	%	
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).

