

19.0 TECHNICAL FICHE






Product name			Amptec Standard				
Model identifier			C400	C600	C900	C1100	C1200
Electric boiler space heater			Yes	Yes	Yes	Yes	Yes
Rated heat output	Prated	kW	4	6	9	11	12
Useful heat output at rated heat output and high temperature regime (2)	P4	kW	3.9	5.9	8.8	10.8	11.9
Useful heat output at 30% of rated heat output and low temperature regime (1)	P1	kW	1.3	1.9	2.8	3.4	3.7
Seasonal space heating energy efficiency	η_s	%	37	37	37	37	37
Useful efficiency at rated heat output and high temperature regime (2)	η_4	%	99.6	100	100.6	100.7	100.8
Useful efficiency at 30% of rated heat output and low temperature regime	η_1	%	101.5	101	100.7	101.7	101.7
Auxiliary electricity consumption							
Full load	elmax	kW	N/A	N/A	N/A	N/A	N/A
Part load	elmin	kW	N/A	N/A	N/A	N/A	N/A
Standby mode	P SB	kW	0.001	0.001	0.001	0.001	0.001
Other items							
Standby heat loss	Pstby	kW	0.008	0.008	0.008	0.008	0.008
Annual energy consumption	Q HE	kWh	8661	12986	19472	23796	25958
(1) low temperature means for condensing boilers 30°C, for low temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet)							
(2) High temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet							
Note: Annual energy consumption stated under nominal power. Annual energy consumptions calculated using Useful Heat Output are as follows							
	Q	kWh	8464	12726	19016	23321	25649

Table: Technical parameters in accordance with European Commission regulations 813/2013 & 812/2013.

Product name			Amptec Underfloor				
Model identifier			U401	U601	U901	U1101	U1201
Electric boiler space heater			Yes	Yes	Yes	Yes	Yes
Rated heat output	Prated	kW	4	6	9	11	12
Useful heat output at rated heat output and high temperature regime (2)	P4	kW	2.6	4	5.9	7.2	7.9
Useful heat output at 30% of rated heat output and low temperature regime (1)	P1	kW	0.8	1.3	1.9	2.3	2.5
Seasonal space heating energy efficiency	η_s	%	37	37	37	37	37
Useful efficiency at rated heat output and high temperature regime (2)	η_4	%	99.8	100.2	100.8	100.9	101.5
Useful efficiency at 30% of rated heat output and low temperature regime	η_1	%	100.8	101.1	101.7	101.9	102.5
Auxiliary electricity consumption							
Full load	elmax	kW	N/A	N/A	N/A	N/A	N/A
Part load	elmin	kW	N/A	N/A	N/A	N/A	N/A
Standby mode	P SB	kW	0.001	0.001	0.001	0.001	0.001
Other items							
Standby heat loss	Pstby	kW	0.008	0.008	0.008	0.008	0.008
Annual energy consumption	Q HE	kWh	8668	12992	19478	23803	25965
(1) low temperature means for condensing boilers 30°C, for low temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet)							
(2) High temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet							
Note: Annual energy consumption stated under nominal power. Annual energy consumptions calculated using Useful Heat Output are as follows							
	Q	kWh	5699	8553	12834	15666	17093

Table: Technical parameters in accordance with European Commission regulations 813/2013 & 812/2013.

PRODUCT FICHE - ELECTRIC BOILERS

Product name			Amptec Standard				
Model identifier			C400	C600	C900	C1100	C1200
Seasonal space heating energy efficiency class							
Rated heat output	Prated	kW	4	6	9	11	12
Seasonal space heating energy efficiency	η_s	%	37	37	37	37	37
Annual energy consumption	Q HE	kWh	8661	12986	19472	23796	25958






Product name			Amptec Underfloor				
Model identifier			U401	U601	U901	U1101	U1201
Seasonal space heating energy efficiency class							
Rated heat output	Prated	kW	4	6	9	11	12
Seasonal space heating energy efficiency	η_s	%	37	37	37	37	37
Annual energy consumption	Q HE	kWh	8668	12992	19478	23803	25965

Table Indirect: Technical parameters in accordance with European Commission regulations 813/2013 and 812/2013