

Amptec S

Data Sheet



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Feature

Benefit

4-18kW output

6 models available to suit a range of customer requirements

Temperature is adjustable from 30 to 80°C

Suitable for both radiator and underfloor heating systems

Modulating ratio of up to 9:1

Boiler intelligently uses the right amount of fuel to meet the set central heating temperatures – saving money on electric bills

Duty Cycling of heating elements

Improved efficiencies and reliability of product

Certified OpenTherm

Can maximise boiler efficiency when fitted to OpenTherm certified controls – including Baxi uSense 2

Light weight and compact cupboard fit

Easier and safer to install and can fit into a 290mm deep cupboard

Built-in heating system components including circulation pump, expansion vessel and HMI

Reduces space required and complexity of the installation as system components are included within the compact unit

Cylinder Control kit available

Allows the user to control the connected cylinder via the boiler controls

2 year warranty

Peace of mind for the installer

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Specifications (UK)

	Single phase			Three phase		
	Amptec S4	Amptec S6	Amptec S8	Amptec S12	Amptec S14	Amptec S18
	7828706	7828707	7828708	7828710	7828711	7828712
	5039177902737	5039177902751	5039177902744	5039177902768	5039177900306	5039177900313
General						
Maximum direct kW rating (kW)	4	6	8	12	14	18
Weight empty (kg)	20	20	21.5	21.5	22.5	22.5
Weight full (kg)	21	21	23	23	24.5	24.5
Volume (litres)	1	1	1.5	1.5	2	2
Pressure relief valve setting (bar)	2.8	2.8	2.8	2.8	2.8	2.8
Maximum heating pressure	2.8	2.8	2.8	2.8	2.8	2.8
Minimum heating pressure	0.5	0.5	0.5	0.5	0.5	0.5
Expansion vessel size (litres)	7	7	7	7	7	7
Temperature setting range (min to max °C)	30-80	30-80	30-80	30-80	30-80	30-80
Maximum temperature (°C)	80	80	80	80	80	80

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Electrical specification						
Nominal electrical power supply voltage (V)	230	230	230	230	400 (3-phase)	400 (3-phase)
Nominal electrical power supply frequency (Hz)	50	50	50	50	50	50
Nominal power consumption when running (W)	4,060	6,060	8,060	12,060	14,060	18,060
Internal fuse rating (amp)	2	2	2	2	2	2
Internal MCB rating - controls (amp)	2	2	2	2	2	2
Internal MCB rating - elements (amp)	10x3	10x3	20x3	20x3	32x3	32x4
Boiler must be connected to an earth supply						
Other						
Degree of protection against humidity (EN60529) (IP rating)	IP1X	IP1X	IP1X	IP1X	IP1X	IP1X
Included pump	Yes					
Product dimensions						
Dimensions (height x width x depth mm)	718 x 395 x 284					

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Connections						
Heating flow (mm)			22			
Heating return (mm)			22			
Pressure relief discharge (mm)			15			
Clearances						
Above casing (mm)			200			
Below casing (minimum) (mm)			200			
Front - for servicing (mm)			1,000			
Front - for operation (mm)			6			
Left hand side (minimum) (mm)			5			
Right hand side (minimum) (mm)			5			

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Packaged dimensions						
Dimensions (height x width x depth mm)	889 x 444 x 350					
Numbers per pallet (1,200 x 1,000mm pallet) (units)	6					
Numbers in a layer (units)	6					
Numbers of layers (units)	1					
Packaging materials						
Packaging weight (kg)	2.6					
Cardboard and paper (kg)	2.6					
Plastics (kg)	0.03					
Metal	0					
Wood	0					
Glass	0					
Weights						
Packaged boiler (kg)	23.2	23.2	24.7	24.7	25.7	25.7
Boiler lift weight (dry) (kg)	20	20	21.5	21.5	22.5	22.5
Installed weight when filled with water (kg)	21	21	23	23	24.5	24.5

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Ecodesign						
ErP						
Space heating seasonal energy efficiency class			D			
Technical parameters						
Space heating seasonal energy efficiency			37			
Water heating energy efficiency (%)			99.8			
Annual electricity consumption based on annual usage of 6 hours per day (kWh)	8,661	12,992	17,322	25,983	30,314	38,975
Thermostat temperature settings of the water heater, as placed on the market (deg °C)			80			
Sound power level LWS indoors (dB)			41			
Ability to off-peak hours functioning (Yes/No)			Yes			
Enables smart control settings (Yes/No)			Yes, using OpenTherm			
Cylinder heat up times in minutes						
70	62	41	31	21	18	14
125	-	71	53	36	31	24
145	-	81	61	40	35	27
170	-	-	76	51	44	34
210	-	-	78	52	44	34
250	-	-	-	65	56	43
300	-	-	-	72	62	48

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Accessories

Part Number	Description
7775937	Baxi uSense2 Smart Room Controller
248221	Multifit Filling Loop
7823084	Rear Pipework Kit 2
7818249	Pre Plumbed Jig 2
7812374	Cylinder Control Kit

For more information

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Issue 1

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