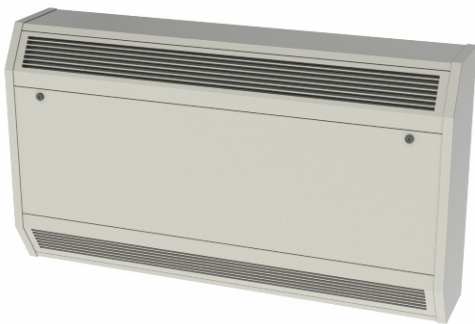


Caspian

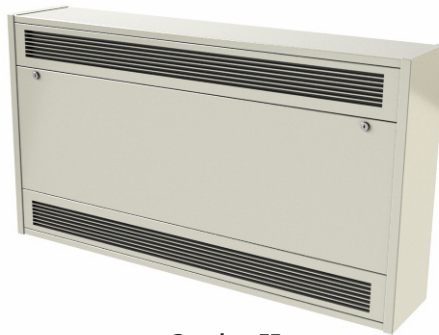
Caspian by Smith's is a range of fan convectors suitable for all kinds of commercial applications, from churches to office developments, with the ability rapidly heat large areas with much greater efficiency than other heat emitters. Caspian fan convectors are both a practical and high quality heating solution for any commercial project.

Incorporating the latest EC motor technology, which can result in running-cost savings as high as 80%, and with variable speed control as standard, the Caspian delivers heat quickly and quietly. AC motor models are available on request.

Like all Smith's fan convectors, Caspian's are compatible with most types of wet central heating systems, functioning equally efficiently with conventional boilers, biomass technology or ground or air source heat pumps.



Caspian UV



Caspian FF



Caspian EXT

Caspian UV, FF and EXT

Motor

EC or AC
EC motors are BMS compliant

Finish

Casing: zinc-coated steel 1.2mm. Polyester powdercoated: white RAL 9010
Available to special order in any colour
Available with anti-microbial or anti-bacterial paint

Filter

Class G3, 100% polyester, non-washable

Installation

- Suitable for two-pipe central heating systems
- Maximum installation height for high or ceiling mounting - 4m to underside
- Pipework access holes on the rear and underside
- Key operated front access panels
- Bleed valve accessible on removal of front casing
- Unit must be earthed

Commissioning

Check water is hot enough to activate the low temperature cut-out thermostat

Controls

Variable heat output controller (mounted within the product)

Accessories

- External control harness (for up to 4 products)
- Plinth (150mm high) to suit each model, available in black or white
- Adjustable low temperature cut-out (30°C to 90°C)
- Wall mounted room thermostat
- Proportional heat output controller
- 22mm flexible hoses (pair)

See Glossary on page 46 for further information on Accessories

Principal Accessories



External control harness



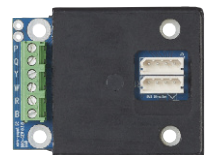
Plinth



Adjustable low temperature cut-out



Wall mounted room thermostat



Proportional heat output controller



22mm flexible hoses

Model	Heat Output at 80°			Heat Output at 75°			Heat Output at 70°		
	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)
Caspian 60	3.2 (10900)	4.5 (15500)	5.9 (20000)	2.9 (9900)	4.1 (14000)	5.3 (18100)	2.6 (8800)	3.7 (12500)	4.8 (16200)
Caspian 90	5.2 (17700)	7.8 (26500)	10.3 (35200)	4.8 (16300)	7.2 (24600)	9.6 (32800)	4.4 (15000)	6.7 (22700)	8.9 (30400)
Caspian 120	6.7 (22700)	10.7 (36500)	14.5 (49400)	6.1 (20937)	9.6 (32968)	13.2 (45000)	5.6 (19100)	8.7 (29800)	11.9 (40600)
Caspian 150	14.8 (50500)	15.4 (52500)	16.2 (55300)	13.7 (46700)	14.2 (48500)	15.2 (51900)	12.5 (42700)	13.1 (44700)	14.0 (47800)
Caspian 180	17.2 (58700)	18.2 (62100)	19.2 (65500)	16.2 (55300)	17.0 (58000)	18.0 (61400)	14.9 (50800)	15.7 (53600)	16.7 (57000)

Model	Heat Output at 65°			Heat Output at 60°			Heat Output at 55°		
	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)
Caspian 60	2.3 (7800)	3.2 (11100)	4.2 (14300)	2.0 (6800)	2.8 (9600)	3.6 (12400)	1.7 (5800)	2.4 (8200)	3.1 (10600)
Caspian 90	3.9 (13500)	6.0 (20400)	8.0 (27300)	3.5 (11900)	5.3 (18000)	7.1 (24200)	3.0 (10400)	4.6 (15800)	6.2 (21100)
Caspian 120	4.9 (16600)	7.7 (26400)	10.6 (36200)	4.1 (14100)	6.8 (23200)	9.4 (32000)	3.4 (11600)	5.8 (19700)	8.1 (27700)
Caspian 150	11.3 (38600)	11.9 (40600)	12.8 (43700)	9.9 (33800)	10.8 (36900)	11.6 (39600)	8.8 (30000)	9.7 (33100)	10.4 (35500)
Caspian 180	13.6 (46400)	14.4 (49100)	15.4 (52500)	12.4 (42300)	13.3 (45400)	14.1 (48100)	11.3 (38600)	12.0 (40900)	12.8 (43700)

Model	Heat Output at 50°			Heat Output at 45°			Heat Output at 40°		
	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Medium (KW/BTU)	High (KW/BTU)
Caspian 60	1.4 (4800)	2.0 (6800)	2.5 (8700)	1.1 (3800)	1.5 (5100)	1.9 (6300)	0.8 (2700)	1.0 (3400)	1.2 (4000)
Caspian 90	2.6 (8800)	3.9 (13400)	5.3 (18000)	2.0 (7000)	3.1 (10500)	4.1 (14000)	1.5 (5100)	2.2 (7500)	2.9 (10000)
Caspian 120	2.7 (9000)	4.8 (16300)	6.9 (23500)	2.0 (6700)	3.7 (12600)	5.4 (18400)	1.3 (4400)	2.6 (8900)	3.9 (13400)
Caspian 150	7.5 (25600)	8.2 (28000)	9.0 (30700)	6.2 (21200)	6.9 (23500)	7.5 (25600)	4.8 (16400)	5.4 (18400)	6.1 (21800)
Caspian 180	9.8 (33400)	10.5 (35800)	11.2 (38200)	8.4 (28700)	9.1 (31100)	9.4 (32100)	6.6 (22500)	7.3 (24900)	7.8 (26600)

Heat Output testing based on BS EN442 using mean water temperature, 18°C entering air temperature, 10 deg temperature drop.

Model							Total Power Consumption			
	Flow & Return Connections	Mains Cable	Transformer	Flexible Hoses	Isolation Valves	Fused Spur	Low (Watts)	Medium (Watts)	High (Watts)	Water Capacity (Litres)
Caspian 60	22mm	n/a	n/a	n/a	n/a	3A	8	24	40	0.92
Caspian 90	22mm	n/a	n/a	n/a	n/a	3A	15	43	70	1.50
Caspian 120	22mm	n/a	n/a	n/a	n/a	3A	13	62	110	2.08
Caspian 150	22mm	n/a	n/a	n/a	n/a	3A	20	144	177	2.54
Caspian 180	22mm	n/a	n/a	n/a	n/a	3A	26	124	220	3.18

Model	Sound Levels				
	High (dBA)	Medium (dBA)	Low (dBA)	Casting Colour	Fan Only
Caspian 60	50	42	33	White	n/a
Caspian 90	53	42	34	White	n/a
Caspian 120	58	46	35	White	n/a
Caspian 150	59	47	36	White	n/a
Caspian 180	59	48	38	White	n/a

Measured at 3m in front of floor mounted model.

Correction factors

EAT°C	Mean Water Temperature °C			
	80 to 40			
15	1.10			
21	0.93			

Factor	Temperature Drop °C			
	20	15	10	5
Factor	0.89	0.95	1.00	1.04

Model	Packed Weight
Caspian UV 60	23KG
Caspian UV 90	36KG
Caspian UV 120	45KG
Caspian UV 150	60KG
Caspian UV 180	78KG

Model	Packed Weight
Caspian FF 60	24KG
Caspian FF 90	39KG
Caspian FF 120	46KG
Caspian FF 150	61KG
Caspian FF 180	76KG

Model	Packed Weight
Caspian EXT 60	30KG
Caspian EXT 90	49KG
Caspian EXT 120	58KG
Caspian EXT 150	76KG
Caspian EXT 180	95KG

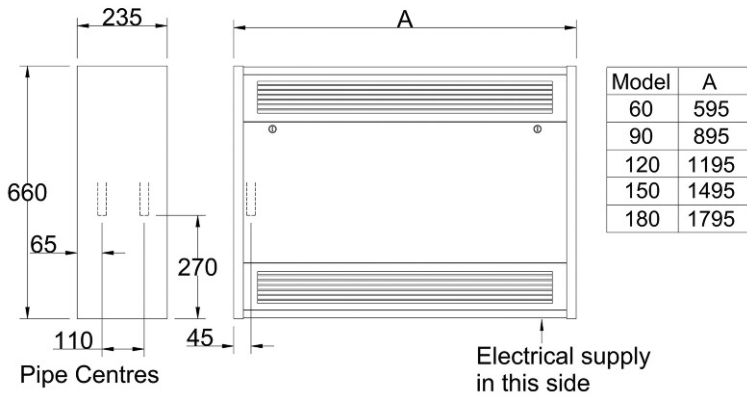
Caspian

Our active, innovative approach to new product development gives us the ability to create bespoke heating products for our clients and partners, developing specific one-off fan convector solutions for the demands of your project, should you require.

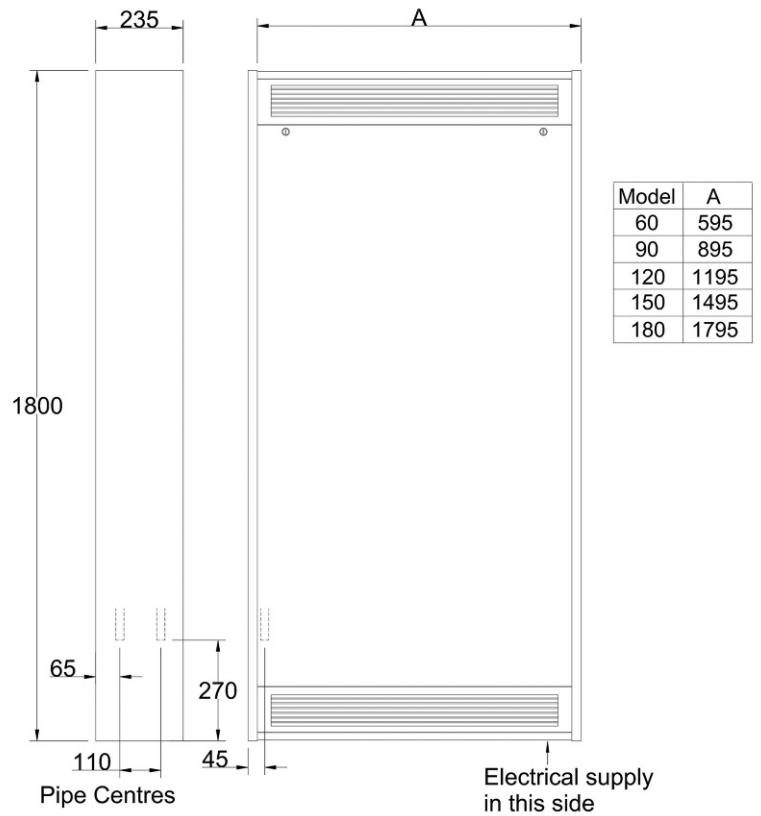
The Caspian range of fan convectors includes the UV, suitable for all locations, the FF, probably the most popular style of commercial fan convector in the UK, and the EXT, an extended FF model.



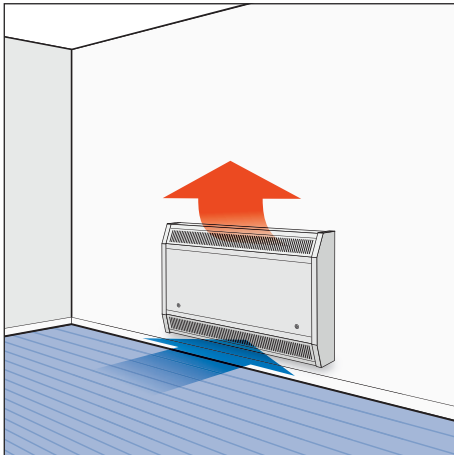
Caspian FF



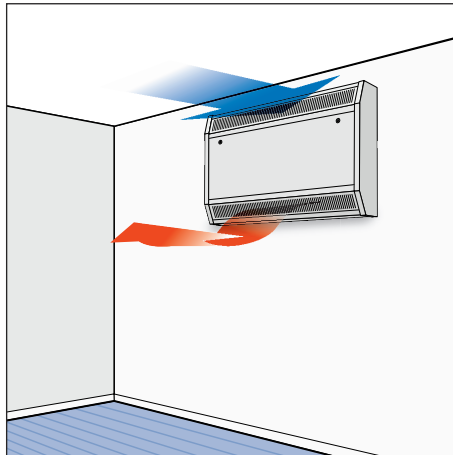
Caspian EXT



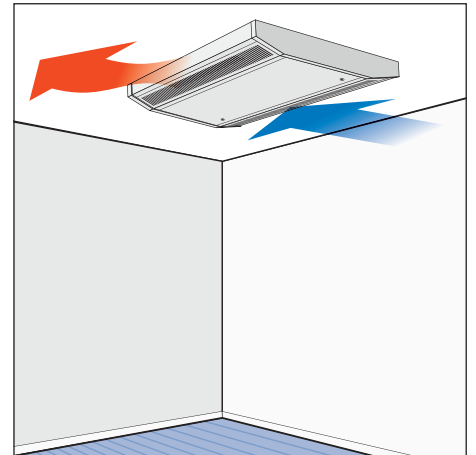
The Caspian UV, one heating solution, suitable for high, low or ceiling-mounted applications, you can even turn it upside down.



Caspian UV mounted low



Caspian UV mounted high



Caspian UV ceiling-mounted

Caspian diagrams showing different options

Caspian UV

