

# Variante<sup>2</sup> External/Rooftop Gas Fired Unit Heaters

High performance low cost warm air heating



**BENSON  
HEATING**



EVRC Front



EVRC Rear

Comfort and Warmth When and Where Needed

Fuel Efficiency Assured

Building Regulation, ECA & CE Compliant Models

Controlled Automatic Operation

Fully Weatherproofed and IP Rated

Extended Guarantees



All Heaters  
Part L2B Compliant

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## Variante<sup>2</sup> External/Rooftop Gas Fired Unit Heaters

Benson Variante<sup>2</sup> external/rooftop gas unit heaters are fully weatherproofed and built to the same exacting standards as their internal counterparts. Designed for external or rooftop location these heaters can be specified to provide static pressures up to 500 Pa. Design experience accumulated over more than forty years has combined with modern computer integrated technology to provide a range of heaters renowned for robust construction, reliability and economy.

### Technical Data

Model		40	70	100	135	170	200	250	330	410	490	
Output	kW	12	20	29	39	49	59	72	96	120	144	
ECA Approved		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Fan Static Pressures	EVRC	Pa	100	125	100	150	150	180	150	180	200	200
	EVRC-250	Pa	250	250	250	250	250	250	250	250	250	250
	EVRC-500	Pa	500	500	500	500	500	500	500	500	500	500
Electrics	EVRC	V/ph/hz	230/1/50								415/3/50	
	EVRC-250	V/ph/hz	230/1/50								415/3/50	
	EVRC-500	V/ph/hz	230/1/50				415/3/50					
Overall Dimensions	Height	mm	595	595	700	805	935	1065	805	955	1135	1305
	Width	mm	1150	1150	1150	1150	1150	1150	1850	1850	1850	1850
	Depth	mm	1575	1575	1575	1575	1750	1750	1805	1875	1875	1875
Nett Weight	kg	140	146	163	181	202	227	294	324	370	414	

Note: Height excludes supplied flue & cowl (typically 1000mm extra)

### Specification

**Application:** A range of gas fired unit heaters purpose designed for external or rooftop location and available with three different fan static pressure levels. External unit heaters are suitable for a wide variety of industrial and commercial applications where space and/or environmental criteria inhibit internal siting.

**Building Regulations & ECA Approval:** All Benson Variante<sup>2</sup> gas unit heaters are designed with fuel efficiency in mind and meet the efficiency requirements of Part L2B of current Building Regulations as well as applicable CE legislation. Additionally all models within the range have been rated to meet the Government's energy efficiency criteria for inclusion into the Enhanced Capital Allowance scheme.

**Construction:** The casing is robotically formed from electro zinc coated steel sheet and finished with a durable stove hardened epoxy polyester powder paint to form a weatherproof IP44 rated monocoque. The heat exchanger is formed without the need for welding from either aluminised or stainless steel to form a four pass multi-tube assembly.

**Burner:** High efficiency low noise multi flame in-shot burner complete with automatic ignition and full flame safety monitoring. Available for natural gas or lpg propane.

**Controls:** Heaters are ready for automatic operation after the simple

connection of time and temperature controls. Benson offers two control options the CP2 incorporating a digital time switch, mechanical day temperature and frost protection thermostats. Alternatively heaters may be specified with a fully optimised CP4 control which includes a secure entry code facility, temperature dependent start time, digital time switch with override facility, electronic day thermostat and frost protection thermostat. Fully optimised control obligatory for ECA applications. Both options provide 'fan only' operation for summer air movement.

**Air Distribution:** All EVRC heaters are fitted with powerful centrifugal fan sets with each fan being housed within a purpose designed plenum which is, itself, lined with sound and temperature resistant insulation. Three alternative fan selections are available for each model up to a maximum of 500 Pa external static pressure.

**Testing:** Every heater is individually inspected, test fired and safety function tested prior to despatch.

**Guarantee:** Benson heaters are provided with one of the most comprehensive guarantee packages available -

**Year One:** Parts and labour

**Year Two:** Parts

**Ten Year:** Combustion chamber heat exchanger warranty



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