



# AMBIRAD

ENERGY EFFICIENT HEATING SYSTEMS

## COBRA

### PACKAGED RADIANT TUBE HEATER

### Introduction

*Cobra represents a radical new approach to gas fired radiant heating - a packaged heater, eliminating the need for on site assembly. It can simply be unpacked and suspended into the roof space - dramatically reducing on site handling and installation time.*

*The Cobra is specifically designed to meet the needs of installers, building owners and specifiers, providing a fast, easy to install, maintain and operate solution for industrial and commercial buildings.*

*Designed with the building's aesthetics in mind, Cobra is slim and compact in its construction and comes in two standard colours RAL9002 (Artic White) and RAL7011 (Anthracite). For added flexibility the heater can be matched to a range of RAL colours for a small additional charge.*

*Units are available with a range of outputs; 12, 20 and 40kW. Options for ball guards are available when the product is to be used in a sports hall application.*

### Cobra benefits

- No on site assembly - installation time reduced by up to 2 hours.
- Ease of handling - no complex or fiddly components.
- Improved integration with building aesthetics.
- Very quiet operation - ideal for commercial/public environments.
- Easy to operate and maintain.
- High temperature steel radiant tubes for longer life and performance.
- Increased radiant and thermal efficiency - reduces running costs.
- Minimises the impact of the Climate Change Levy.

### Applications

Cobra is ideal for areas where enhanced aesthetics are required but can be used effectively for space or spot heating in any of the following applications

- Factories.
- Warehouses.
- Engineering workshops.
- Retail outlets.
- Museums.
- Vehicle distribution centres.
- Vehicle workshops.
- Sports arenas/Halls.
- Engineering workshops.
- Glasshouses.



Authorised User No. 00011

CASINA



## Specification and technical data

Model		CB12	CB20	CB40
Nominal heat input				
G20 natural gas	kW	11.4	19.5	38
G31 propane	kW	11.4	18.5	36
Gas flow rate				
G20 natural gas	m <sup>3</sup> /h	1.1	1.85	3.6
G31 propane	m <sup>3</sup> /h	0.43	0.69	1.35
Gas supply		Connection R <sup>1</sup> / <sub>2</sub> 1/2in BSP external thread		
Gas pressure	Nat. gas G20	max. 25.0 mbar (min. 17.5 mbar)		
	Propane G31	max. 57.5 mbar (min 30.0 mbar)		max. 45 mbar (min 25mbar)
Electrical supply		230 volts 1 phase 50Hz		
Current rating		0.55 amp max. (inductive)		
External fuse rating	amps	3		
Ignition		Electronic programme start-up with spark ignition		
Noise level dB(A) @ 3m 'free field'		48		40
Dimensions	mm	1703L x 1254W x 201D		2298L x 1865W x 256D
Flue diameter		125mm single wall or 125mm twin wall		
Ducted air diameter	mm	102	102	102
Total installed weight	Kg	91	91	152
Minimum mounting height	m	4.3	5.2	5.7
Recommended mounting height range*	m	4.3-9.0	5.2-10.0	5.7-10.5

\* Note for mounting above or below these heights please contact technical department.

### Clearance from combustibles

Model		CB12	CB20	CB40
Above reflector	mm	570	570	680
Beneath tubes	mm	1370	1600	2300
To the sides	mm	670	1050	1300
To the ends	mm	640	640	940



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Document reference number GB/COB/114/0206

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