

AMBIRAD

ENERGY EFFICIENT HEATING SYSTEMS



ARO

OIL FIRED RADIANT TUBE HEATERS

The Ambi-Rad ARO - oil fired radiant tube heater has been developed specifically to widen the proven benefits of radiant tube heating to areas where mains gas or propane is not an option.

Initially available in 38kW input, the heater is identical in construction to Ambi-Rad's generic range of radiant heater the AR, but combustion is provided by an exclusively designed 'Ecoflam' packaged oil burner.

The ARO range is in U tube configuration only and is manufactured from the finest materials including stainless steel reflectors, end caps and turbulators, with emitter tubes being of stainless and mild steel construction.

Benefits

- Reduced running costs
- Even heat coverage at low level
- Does not directly heat the air
 - Ideal in areas of high air infiltration
- Minimises roof heat losses
 - Reduced stratification
- Systems can be controlled easily to provide varying zoned temperatures and operating times
- Provides rapid heat up and recovery
- Easy low cost maintenance

Applications

- Factory units
- Warehouses
- Engineering workshops
- Maintenance sheds
- Vehicle depots and workshops
- Glasshouses
- Agricultural buildings

Specification and technical data

Model	ARO40	
Nominal (gross) heat input	kW	38
Nominal flow rate		
35 sec oil visc 1.5°E at 20°C	gal/h	0.8
Oil supply connection ¹		Connection RC 1/4 (1/4 in BSP male)
Ring main pressure		0.5 - 1.5 bar
Electrical supply		230 volt 1 phase 50Hz
Current rating		0.7 amp max (inductive)
External fuse rating		5 amp per heater external
Ignition		Electronic programme start up with spark ignition

Dimension data		ARO40 'U'	ARO40 'SL'
Overall length	(m)	5.75	
Overall width	(mm)	666	
Exhaust flue (diameter) twin wall ²		All exhaust flue 100mm (4 in)	
Total installed weight (kg) approx		97	

Mounting heights

Model	Mounting position	Minimum mounting height (m)	Recommended mounting height range (m)	When mounting over these heights contact Ambi-Rad office (m)
ARO40	Horizontal	4.0	1.9 - 11	11.0
	Inclined/wall mounted	3.6	4.0 - 7.0	11.0

Maximum height from base of oil tank with lifter 1 Heater = 8m 2 Heater = 6.5m

Maximum height from base of oil tank with pump set = 11m

Clearance distances to combustible materials

Model	ARO40
Above reflector	420
Beneath tubes	2300
To the sides flued	1480

All distances are in millimetres

BS 799 Part 5: Specification for oil storage tanks

BS 5410-1 Installations up to 45kW output capacity for space heating and hot water supply purposes.

BS 5410-2 Installations 44kW and above output capacity for space heating hot water and steam supply services.

Commissioning

All heaters require commissioning by an Ambi-Rad representative, otherwise warranty is void.



Ambi-Rad Limited Fens Pool Avenue
Brierley Hill West Midlands
DY5 1QA United Kingdom
Telephone 01384 489700
Facsimile 01384 489707
UK sales e-mail sales@ambirad.co.uk
Website www.ambirad.co.uk

AMBI-RAD is the registered trademark of Ambi-Rad Limited.

Due to continuous product innovation, Ambi-Rad reserves the right to change product specification without due notice.

AMBI-RAD
ENERGY EFFICIENT HEATING SYSTEMS

Document reference number : GB/ARO/103/0404