



Overview

ENERGY EFFICIENT HEATING SYSTEMS



Introduction

ENERGY EFFICIENT HEATING SYSTEMS

About us

As Europe's leading manufacturer of gas fired radiant heaters, warm air systems and air curtains, AmbiRad's mission is to continue the development of its world class status in the provision of energy efficient heating solutions.

The company strategy is to meet the needs of industrial and commercial customers worldwide through a supply-based service to contractors, specifiers and facilities managers.



Total project support

AmbiRad offers a full range of services to ensure optimum customer satisfaction. The services available include:

- Investigative site visits and assistance with system design
- Detailed schematic drawings
- Running costs and payback calculations
- Liaison with installation contractors
- Commissioning
- Warranty work
- Tailored service packages

Solutions that take heating efficiency to a new level

AmbiRad develops and manufactures high quality, environmentally friendly, energy and cost-efficient heating systems, fuelled by natural gas, LPG or oil. All products are certified to BS EN ISO 9001:2000 accreditation, tested and approved to the prevailing standard for particular worldwide markets, with full CE approval on all European sales.



Saving energy around the world

AmbiRad is a global operation, with a strong and growing export business.

Export trade has growth exponentially, as customers in over 35 countries around the world realise the cost-efficiency and environmental benefits of AmbiRad energy efficient heating systems.

We operate through a network of carefully selected distributors in Europe, North and South America, the Middle and Far East, and Australasia.

Enhanced Capital Allowances (ECA)



A significant number of AmbiRad products are included on the UK Government's Energy Technology List.

For end users this means investing in higher efficiency equipment can cost less in both capital and ongoing running costs. Equipment and directly associated installation costs are eligible for 100% Enhanced Capital Allowances within the first year of installation.

AmbiRad solutions in practice

The selection of an appropriate heating scheme is dependent on the nature and requirements of the specific building concerned. Our expertise ensures that the ideal solution is found for each particular situation. This may require the application of radiant, warm air or a combination of both technologies.

AmbiRad energy efficient heating systems have been installed in a diversity of market sectors, bringing the benefit of energy savings to thousands of businesses worldwide

For further information a comprehensive range of product literature in a series of individual brochures covering each product specification is available on request or alternatively visit www.ambirad.co.uk.

Solutions that can reduce fuel costs by up to 60%



Applications

- Aircraft hangars
- Engineering workshops
- Factories
- Glasshouses
- Museums
- Retail outlets
- Sports arenas
- Distribution centres
- Vehicle workshops
- Warehouses

Typical clients

- BMW
- British Airways
- Channel Tunnel Rail Link
- Ford Motors
- MoD
- Monarch Airways
- National Exhibition Centre
- Pilkington Glass
- Royal Mail
- Sports England - The Optimum Sports Hall
- Tata Steel



Radiant Heating

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Energy efficient gas and electrical radiant heating

Radiant heating benefits

- Reduced running costs. Savings of up to 65% of fuel costs can be achieved
- 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
- Rapid heat up and recovery times
- Easy to install, maintain and operate



Vision Optima Series

Radiant tube heating systems



The Vision Optima Series represents the next generation of radiant tube heating systems including a recuperative heat exchanger and styling kit that dramatically increase the radiant efficiency of the product.

Vision VSX Series

Radiant tube heating systems



The VSX range of high efficiency Vision radiant tube heaters with the inclusion of a recuperative heat exchanger delivers exceptional performance in terms of efficiency and the potential to reduce energy costs.

Vision VS Series

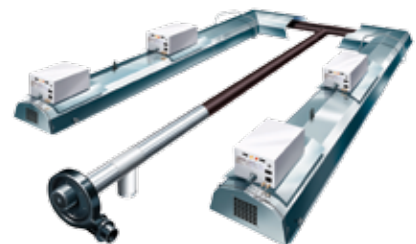
Radiant tube heating systems



The VS Series with its slim-line burner head found in the whole Vision range provides a long evenly distributed flame that dramatically improves temperature distribution along the entire length of the heater, delivering a more even floor coverage.

Nor-Ray-Vac

Continuous radiant tube systems



The Nor-Ray-Vac gas fired continuous radiant tube heating system offers the widest range of burner inputs of any continuous radiant system. It is designed to provide uniform heat coverage over the entire floor area.

RV Series

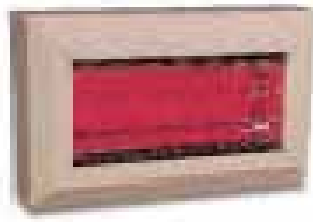
High efficiency radiant plaque heaters



RV heaters offer high intensity radiant heating for areas of high air change or spot heating.

Electric Heaters

Electric quartz or ceramic plaque heaters



Electric radiant heaters are silent in operation and provide rapid response. They are ideally suited for intermittent or spot heating applications.

SmartCom³

Energy saving controller



AmbiRad has introduced SmartCom³, an intelligent energy management controller, in order to satisfy the growing need for higher efficiencies and to complement efficient heating systems.



Warm air heating

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Energy efficient gas and oil fired warm air heating

Benefits of warm air heating

- Effective heat distribution within buildings to achieve optimum temperatures
- Compact reliable units that provide a range of heating options i.e heating only, heating and ventilation, or heating and cooling
- Easy installation and maintenance
- High efficiency units offer significant energy savings. The higher efficiency models are included on the Government's energy technology list thereby qualifying for Enhanced Capital Allowances



UESA

Condensing unit heaters



The UESA range of room sealed fully condensing unit heaters utilises patented MacroChannel heat exchanger technology to deliver up to 104% thermal efficiency (based on net CV).

Manufactured from aluminium the highly conductive MacroChannel reduces energy consumption and CO₂ emissions by 14% - 20%. All models are ECA listed.

UDSA/B

High efficiency room sealed unit heaters



The UDSA/B range of units incorporates a unique aero-dynamic 4 pass heat exchanger manufactured from titanium stabilised aluminised steel for enhanced life expectancy and operational reliability.

The compact lightweight units deliver higher airflows for improved air distribution and reduced running costs.

LCSA

Room sealed unit heaters



Based on standard tubular heat exchanger technology the LCSA room sealed units provide high efficiency at reduced capital cost.

OUH

Oil fired unit heaters



For areas requiring suspended unit heaters where gas is not available the OUH oil fired suspended heaters are the ideal solution. The units combine high thermal efficiency with high air flows for improved air distribution and reduced stratification.

EnviroAir

Combined heating and ventilation



EnviroAir units are available as SDH non condensing heaters, with thermal efficiencies in excess of 91%, or SHH fully condensing heaters with thermal efficiencies of 102% (ncv)

EnviroAir SDH/SHH units are primarily for ducted installations to provide either heating or combined heating and ventilation



Cabinet Heaters

Gas and oil fired cabinet heaters



Freestanding or horizontal cabinet heaters which may be specified to operate on natural gas, propane, 35 second oil or kerosene.

Room Sealed Cabinet Heaters

Room sealed / fan assisted flue cabinet heaters



Freestanding room sealed cabinet heaters which may be specified to operate on natural gas or propane.

Nordair Niche

Combined heating and ventilation



A comprehensive range of gas fired air heaters provides high efficiency combined heating and ventilation solutions across a broad spectrum of industrial and commercial applications. Combined heating and ventilation units ensure precise control, excellent indoor air quality and optimum energy efficiency.

Airbloc

Energy saving air curtains



Warehouses, factories, retail premises and cold rooms are all subject to the problems caused by frequently opened doors. The open door not only causes discomfort but greatly increases energy loss and therefore the running costs of the building.

Airbloc units offer a cost-effective, energy efficient solution to these problems by reducing heat loss up to 80%

SolarWall®

perforated Transpired Solar Collector (pTSC)



CA Groups SolarWall® is an astonishingly simple, effective solution to the demand for CO₂ reduction - and the energy cost savings that accompany it. A steel or aluminium cladding for industrial and commercial buildings that captures warmth from the sun and uses solar heated air to heat the building.

ColdAIR

Evaporative cooling



ColdAIR evaporative cooling systems are the low cost environmentally friendly alternative to costly air conditioning.

Evaporative cooling systems are designed with energy efficiency in mind, typically consuming only 20% of the energy used by traditional air conditioning systems and with the ability to install without any structural alterations to your existing building.

