

Vision

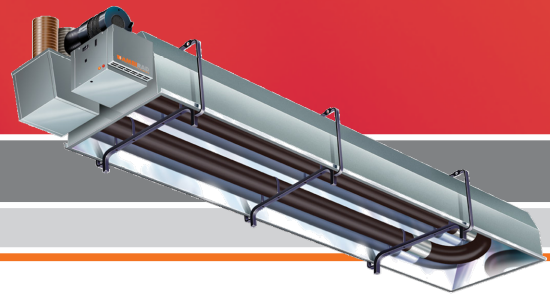
VSX HIGH EFFIECENCY RADIANT TUBE HEATING SYSTEM



 **AMBI**RAD
ENERGY EFFICIENT HEATING SYSTEMS

Vison Series

VSX HIGH EFFICIENCY RADIANT TUBE HEATING SYSTEM



Introduction

Renowned for its pioneering track record, AmbiRad, a leading supplier of radiant tube heating systems, has yet again raised the industry standard in terms of innovation and technical performance.

The new range of high efficiency Vison radiant tube heaters delivers exceptional performance in terms of efficiency and the potential to reduce energy costs.

The cornerstone of this exciting new development has been the introduction of a new high efficiency advanced burner.



Features

- The inclusion of a recuperative heat exchanger and double skin reflector on VSX models (patent 11/882880), increases thermal efficiencies to 90%
- Radiant efficiency 30% greater than standard tube heaters
- Fuel savings as great as an additional 20% can be achieved when compared to two stage or standard radiant tubes
- Peak flame temperatures are reduced, resulting in 40% reduction in Nox levels (55ppm on certain models)
- Virtually no combustion noise - 15dB(A) lower than typical standard tube heaters at 47dB(A)
- New slim-line burner head provides a long evenly distributed flame that is 4 to 5 times longer than standard tube heaters
- All units require minimal maintenance



VSX Model Range

The high efficiency VSX range offers versatility and performance that will be the benchmark for the future of radiant heating. Ratings from 60,000 to 155,000 BTU's.

Other Products in the Vison Range

- The VPLUS heaters are available in straight line and U tube configurations, with burner ratings ranging from 40,000 to 200,000 BTU's
- The VS range is available in U tube and straight line models with burner ratings ranging from 40,000 to 200,000 BTU's



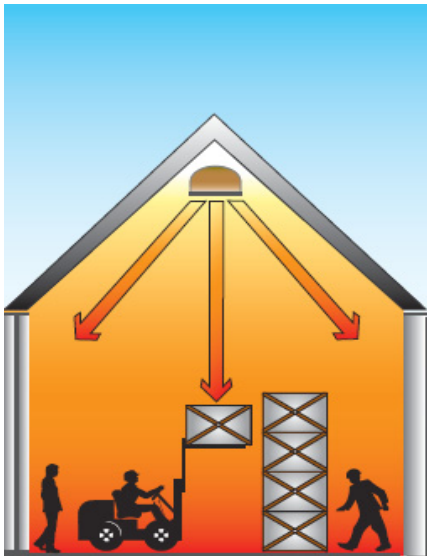
Radiant Heating

Working in the same way as the sun, radiant heat warms all solid objects and surfaces in its path through electromagnetic waves. Being mounted overhead, AmbiRad radiant heaters produce infrared heat that is directed downwards to low level by a reflector.

Radiant heat:

- Is emitted by a hot surface
- Travels in straight lines
- Passes through the air without heating it
- Is absorbed by cooler solid objects on which it falls
- Effective in extremely high ceiling applications

Solutions that can reduce fuel costs by up to 70%



Universal Application

The flexibility of design provided by the Vision range ensures its suitability and competitiveness in wide ranging applications, from traditional environments such as large, high bay, high air change, industrial and commercial buildings, together with smaller scale facilities such as auto service bays and workshops.

Vision sets new standards in energy efficiency and performance, delivering greatly reduced running costs and payback periods.

Customer Service and Design

For your support, AmbiRad radiant heating systems are backed by in-house engineering and technical staff, along with distributors located throughout the United States. This comprehensive customer service package includes Computer-Aided Design (CAD), building heat loss/fuel cost calculations, on-site support, training and system commissioning.



Reduced Environmental Impact

AmbiRad radiant heating is among the most environmentally friendly heating solutions on the market, greatly assisting industry and commerce in improving their overall energy performance and making a significant contribution to achieving compliance with the LEED (Leadership in Energy and Environmental Design) green building rating system, which encourages the adoption of green building practices.

Radiant heat achieves this because it:

- Supplies heat to occupied levels
- Heats the 'work zone' not the ceiling
- Reduces transfer of heat from the building envelope
- Speeds recovery when using open doors
- Delivers savings of 30% - 40% and even up to 70% in certain applications
- Often significant electrical savings
- Lowers maintenance and service contract costs
- Low Nox levels



TECHNICAL DATA

Model		VSX60	VSX90	VSX115	VSX140	VSX155
Nominal gross heat input	Btu/h	60,000	90,000	115,000	140,000	155,000
Dimensional & weight data						
Length – U tube	ft	14	14	20	20	26
Total installed weight	lbs	252	252	349	349	452



An AmbiRad Group brand



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