

Vision Range

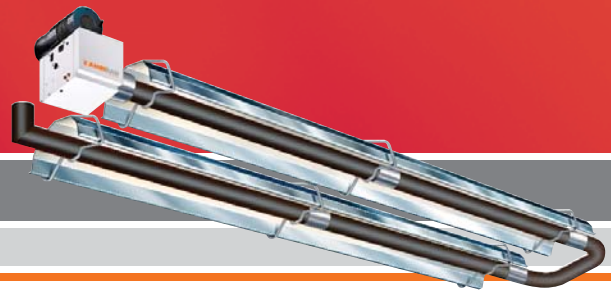
VPLUS RADIANT TUBE HEATING SYSTEMS



 **AMBIRAD**
ENERGY EFFICIENT HEATING SYSTEMS

Vision Range

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Introduction

Renowned for its pioneering track record, AmbiRad has yet again raised the industry standard in terms of innovation and technical performance.

The new range of high efficiency Vision 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

New advanced burner technology

- Choice of burner ratings from 40,000 to 225,000 BTUs. All units are CSA approved
- NO_x 40% lower than standard tubes at 55ppm on certain models
- Noise levels: 15dB(A) lower than typical standard radiant tubes at 47dB(A)
- New slim-line burner head provides a long evenly distributed flame
- On powered gas burner models all electrical wiring is contained at one end of the product, which is particularly time saving when installing straight line heater models
- All units require minimal annual maintenance



VPLUS Model Range

Vision VPLUS heaters are available in straight line and U tube configurations, with burner ratings ranging from 40,000 to 225,000 BTUs.

Other Products in the Vision Range

- VS U tube, single linear and double linear
- VSX High Efficiency U tube (patent 11/882880)

Fuel Economy and Fuel Saving

- Fuel savings of up to 65% can be achieved when compared with conventional heating systems. The elimination of both distribution and standby losses, coupled with exceptional fuel efficiency at the point of use delivers excellent economy
- Excellent radiant performance ensures that more of the heat generated is distributed to floor level thereby improving efficiency and further reducing energy consumption



VPLUS Straight

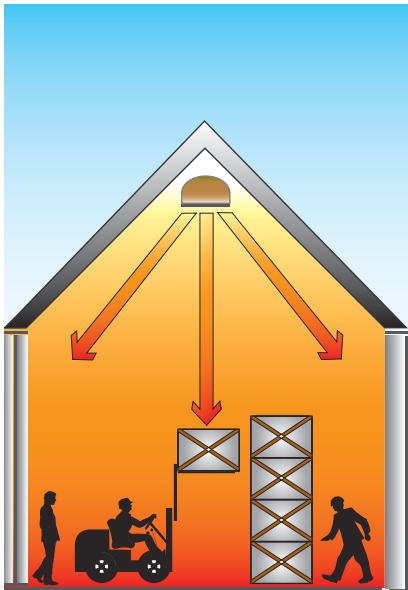
VPLUS U tube

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



Reduced Operating Cost

With today's ever-increasing world-market competition, corporations must continually find ways to reduce operating costs, especially where gas prices have risen dramatically. Radiant heat achieves this because it:

- Heats at low level
- Heats the 'work zone' not the ceiling
- Reduces transfer of heat from the building envelope
- Speeds recovery when using open doors
- Delivers up to 65% savings compared with boilers

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.



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.

Vision Applications

- Air hangars
- Auto service bays
- Factories
- Farm buildings
- Fire stations
- Greenhouses
- Loading dock areas
- Sports facilities
- Warehouses



Vision Standard Linear Models (forced burner) VPLUS

TECHNICAL DATA										
Model		VPLUS40	VPLUS60	VPLUS80	VPLUS100	VPLUS125	VPLUS150	VPLUS170	VPLUS200	VPLUS225
Nominal gross heat input (natural gas)	Btu/h	40,000	60,000	80,000	100,000	125,000	150,000	170,000	200,000	225,000
Gas supply		½" NPT male								
Maximum inlet gas supply pressure	W.C.	Natural gas 10.0, propane 14.0								
Minimum inlet gas supply pressure	W.C.	Natural gas 5.0, propane 11.0						Natural gas 7.0, propane 11.0		
Electrical supply		120V, 1 phase, 60Hz								
Current rating		1.2 amp max, 0.3 burner, 0.9 fan								
External fuse rating		3 amp external								
Ignition		Electronic programme start up with spark ignition								
Dimensional & weight data										
Length – U tube, min/max	ft	20	20/40	20/40	40	40/60	40/60	60/80	60/80	60/80
Length – straight line, min/max	ft	10/30	20/40	20/40	30/50	40/60	40/70	50/80	50/80	50/80
Exhaust flue diameter		4" O/D								
Total installed weight, min/max	lbs	66/153	110/199	110/199	153/244	199/289	199/328	244/372	244/372	244/372
Minimum recommended mounting height										
Horizontal	ft	14	14	14	16	16	18	18	20	20
Inclined / wall mounted	ft	11	11	11	13	13	15	15	17	17
Minimum clearance distances to combustible surfaces										
Above reflector	in	8	6	6	6	6	6	6	6	6
Above burner (flued and unflued)	in	20	20	20	20	20	20	20	20	20
Beneath tubes	in	49	74	74	74	74	74	86	86	86
To the side	in	24	29	29	32	39	39	48	48	48
To the side (unflued only)	in	41	41	41	41	47	48	48	48	48
From the end of the tube to wall	in	12	12	12	16	18	18	20	20	22



An AmbiRad Group brand



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