

Sun Heat

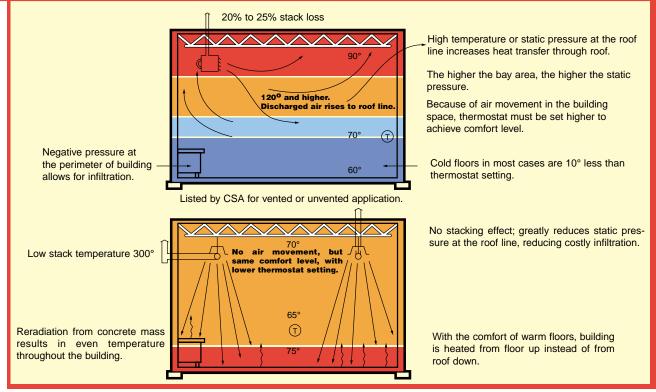
Low Intensity Infra-Red Heaters



Sizes to fit Your Needs.....

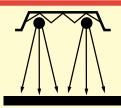
"Sun-Heat" radiant system directs the heat down where it belongs... fuel savings of 30% to 50%

Compare conventional warm air to infra-red radiant heat.

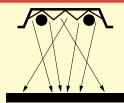


What is infra-red and how does it work?

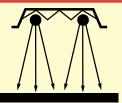




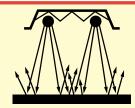
Infra-red rays travel in divergent straight lines from heat source to all surfaces and objects without heating the air they pass through.



In addition to those rays which travel directly from the heat source, other rays are re-directed downward by a mirror surfaced reflector.



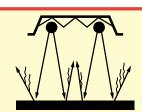
A portion of the ray's energy is absorbed by cooler receiving surfaces. Conduction carries some of the heat deeper into the heated material creating a heat reservoir.



The balance of the radiant heat is reflected from the heating surface to be absorbed by surrounding cool surfaces.



As a secondary effect, the room temperature is raised by convective transfer from the heated surface.



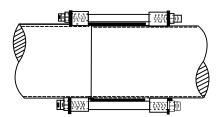
A part of the secondary ray energy, now of longer wave length, is absorbed by moisture and particles in the air, which helps to raise the temperature.

Sun-Heat Standard System Features

GAS BURNER

- · Burner and controls U.L. listed for United States and Canada
- Hot Surface ignition and electronic safety-No Pilot
- 60,000, 80,000, 100,000, 125,000, 150,000, 175,000, 200,000 Btu/hr input sizes (natural or propane gas)
- · Combustion Air inlet collar
- Sight glass for monitoring burner operation
- Combustion air proving differential switch
- Electrical & gas controls separated from combustion air stream
- Burner Housing 18 GA. galvanized steel
- Electrical 120 volt/60/1 ph
- U.L. listed for Vented or Unvented applications
- (1) year limited warranty



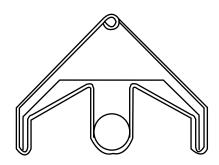


FLARED PIPE FORMS

Male-Female Type Connection Compression Fitting No Clamps or Draw Bands

TUBE SYSTEM

- Combustion chamber 10' x 4" OD, 16 gauge aluminized steel with flared burner mounting flange
- Heat exchanger as required, remaining system comes in 10' or 5' 16 gauge aluminized steel
- Flared fitting pipe connector with draw bolts at each joint for solid compression type fitting – no gaskets or draw bands
- 20' to 70' systems Straight systems or optional "L" or "U" shaped systems using 90 deg elbows. (see schedule for tube lengths available)
- 10 year limited warranty



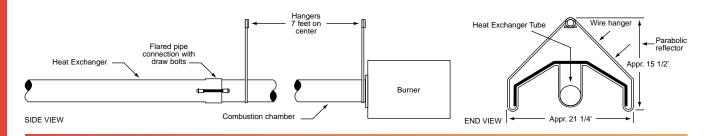
REFLECTORS

- · High polished parabolic reflectors standard
- 8' or 4' lengths
- Reflector shield and tube system supported by heavy gauge wire hangers placed approx. 7' apart

OPTIONAL FEATURES

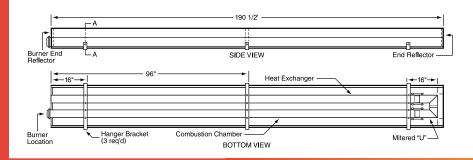
- Outside combustion air inlet hood with flexible 4" diameter duct
- 90 deg elbows for "L" or "U" shaped configurations
- Diffuser "V" reflector for low mounting applications
- Vent cap adapter (4" dia steel to 4" dia class "B" vent pipe
- · Line voltage thermostat
- 24 volt relay to convert line voltage thermostat to 24 volt thermostat
- Burner "ON" running light

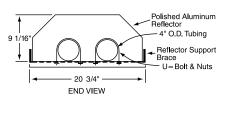
Dornback DSH Series Radiant Tube Specifications



Model No.	BTU/HR	Average	Radiant	Clearance to Combustibles			Manifold		Shipping
and	Input	Mounting	Surface		Above	Below	Pressure		Weight
Tube Length	(NatLP)	Height	(Sq. Ft.)	Side*	Reflector	Reflector	Nat.	LP	(Lbs.)
DSH-60-20'	60,000	10' - 15'	20	20"	2"	50"	3.5" W.C.	10" W.C.	170
DSH-60-30'	60,000	10' - 15'	30	20"	2"	50"	3.5" W.C.	10" W.C.	200
DSH-80-30'	80,000	10' - 15'	30	20"	2"	50"	3.5" W.C.	10" W.C.	200
DSH-80-40'	80,000	12' - 18'	40	20"	2"	50"	3.5" W.C.	10" W.C.	230
DSH-100-30'	100,000	12' - 18'	30	20"	2"	50"	3.5" W.C.	10" W.C.	200
DSH-100-40'	100,000	14' - 22'	40	20"	2"	50"	3.5" W.C.	10" W.C.	230
DSH-100-50'	100,000	14' - 22'	50	20"	2"	50"	3.5" W.C.	10" W.C.	260
DSH-125-40'	125,000	15' - 25'	40	20"	2"	70"	3.5" W.C.	10" W.C.	230
DSH-125-50'	125,000	15' - 25'	50	20"	2"	70"	3.5" W.C.	10" W.C.	260
DSH-150-50'	150,000	18' - 30'	50	20"	2"	70"	3.5" W.C.	10" W.C.	260
DSH-150-60'	150,000	18' - 30'	60	20"	2"	70"	3.5" W.C.	10" W.C.	290
DSH-175-50'	175,000	18' - 30'	50	20"	2"	70"	3.5" W.C.	10" W.C.	260
DSH-175-60'	175,000	18' - 30'	60	20"	2"	70"	3.5" W.C.	10" W.C.	290
DSH-175-70'	175,000	18' - 30'	70	20"	2"	70"	3.5" W.C.	10" W.C.	330
DSH-200-50'	200,000	18' - 30'	50	20"	2"	70"	3.5" W.C.	10" W.C.	260
DSH-200-60'	200,000	18' - 30'	60	20"	2"	70"	3.5" W.C.	10" W.C.	290
DSH-200-70'	200,000	18' - 30'	70	20"	2"	70"	3.5" W.C.	10" W.C.	330

Р	re-Assem	bled U TL	JBE Radie	ent Tube H	Heating Sy	ystems	. 8 or 16 Fe	eet Long	
UDSH-30-8'	30,000	8' - 10'	16	26"	12"	90"	3.5" W.C.	10" W.C.	160
UDSH-45-8'	45,000	9' - 12'	16	26"	12"	90"	3.5" W.C.	10" W.C.	160
UDSH-60-8'	60,000	10' - 15'	16	26"	12"	90"	3.5" W.C.	10" W.C.	160
UDSH-60-16'	60,000	10' - 15'	32	26"	12"	90"	3.5" W.C.	10" W.C.	200
UDSH-80-16'	80,000	10' - 18'	32	26"	12"	90"	3.5" W.C.	10" W.C.	200
UDSH-100-16'	100,000	12' - 22'	32	26"	12"	90"	3.5" W.C.	10" W.C.	200







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