

**SPECIFICATIONS**  
General Specifications

**Rating** (Input: Natural and L.P. Gas) 0-4500 ft elevation.

**STANDARD SERIES**

Model	Min Input (BTU/Hr)	Max	Length
PH-40A	20,000	40,000	11.5'
PH-50A	25,000	50,000	16.5'
PH-75A	37,500	75,000	21.5'

**HIGH OUTPUT SERIES** (patented)

Model	Min Input (BTU/Hr)	Max	Length
PH-40 HO	20,000	40,000	5'
PH-75 HO	37,500	75,000	10'

**Gas Pressure at Manifold:**

Natural Gas	3.5" W.C.
L.P. Gas	10.5" W.C.
Gas Connection Size	0.5" N.P.T.

**Gas Inlet Pressure:**

Gas	Minimum	Maximum
Natural	4.5" W.C.	14.0" W.C.
L.P.	11.5" W.C.	14.0" W.C.

**Electrical Rating:**

DSI Ignition  
120v, 60 Hz, 1 Amps  
24 volt low voltage On/Off – Modulating control panel

**Standard Equipment:**

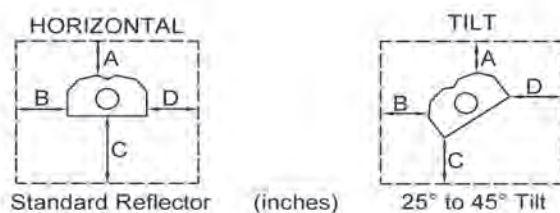
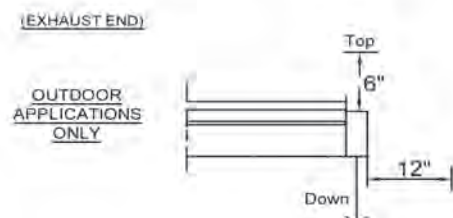
Variable input temperature control panel, modulating gas burner, low noise combustion air blower, visual burner inspection sight glass, air proving safety switch, 3-try spark ignition control, 100% safety shut off valves, 4" heat treated aluminized radiant emitter, aluminum reflector, heat economizer baffle, stainless steel hangers and burner-head, decorative grill, indicator light. Stainless steel construction on High Output Series.

**Optional Equipment:**

-Elbow kit / 180 degree U-Bend kit for PH-50 and PH-75  
-Stainless Steel Radiant Emitter  
-24 Volt Electrical Supply

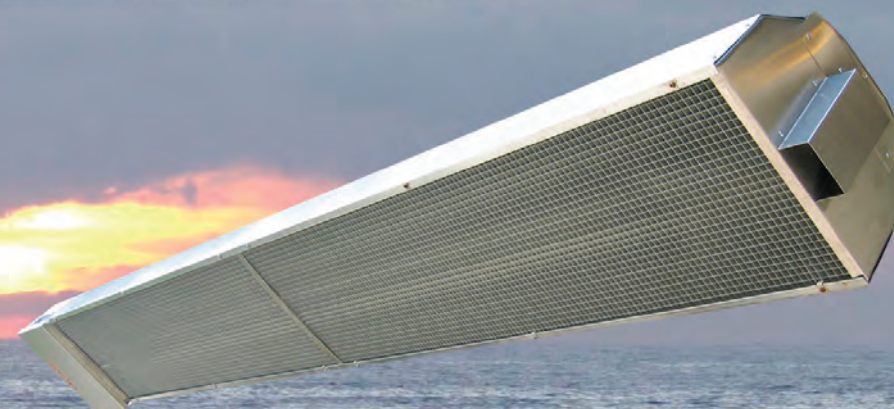
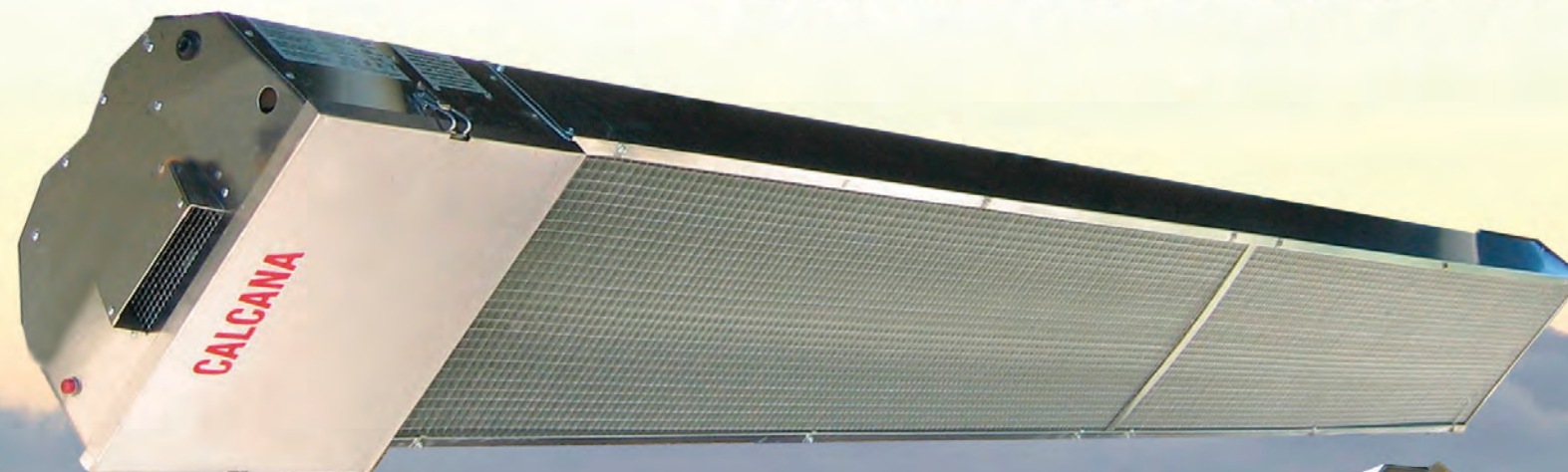


**CLEARANCE TO COMBUSTIBLES**

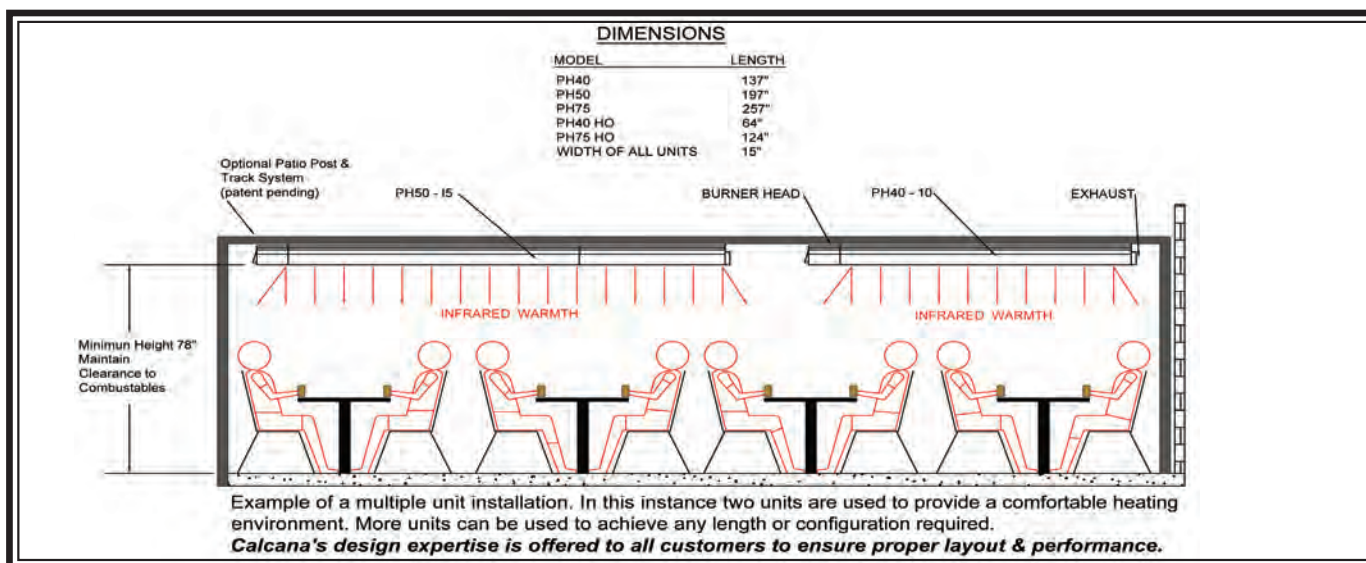


Installation Type 1					Installation Type 2				
Input	A	B	C	D	Input	A	B	C	D
40	4	12	34	12	40	4	4	31	28
50	4	12	41	12	50	4	4	35	28
75	4	15	46	15	75	4	4	40	31
40 HO	8	17	41	17	40 HO	8	4	28	25
75 HO	6	12	42	12	75 HO	6	4	31	22

# CALCANA



**MODULATING REMOTE CONTROL PANEL**  
(patent pending)



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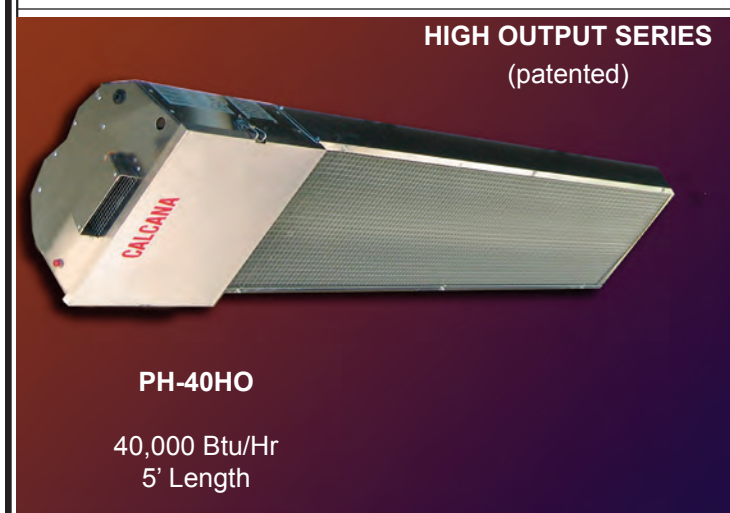
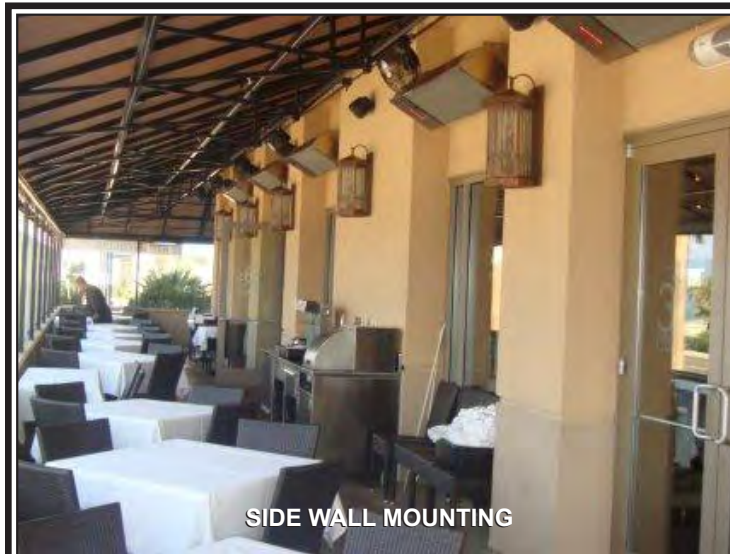
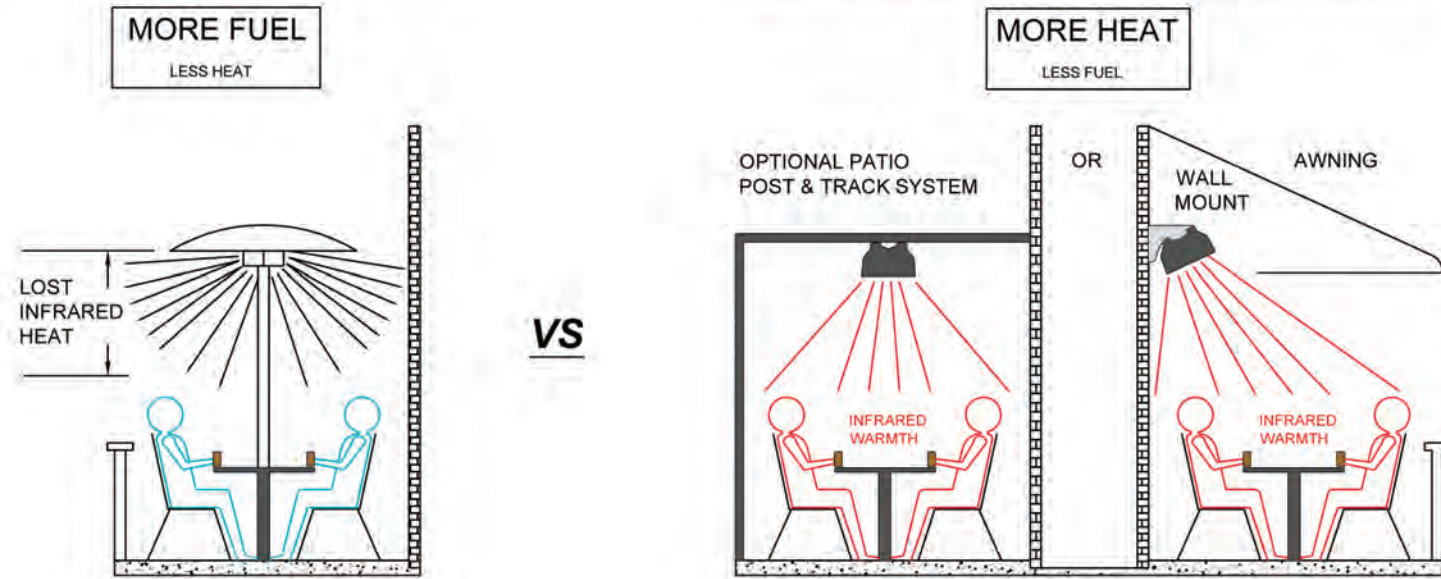
## Commercial & Residential Infrared Patio Heating Systems



# Calcana Custom Patio Heating Solutions

## "MUSHROOM STYLE"

## CALCANA INFRARED HEATWAVE



## Experience a *Calcana Heatwave* on your patio today!



### DESIGN FEATURES INCLUDE:

#### SAFELY ENCLOSED FLAME:

The flame is protected from wind and is located inside the Low Intensity Infrared Emitter Tube. This tube captures heat energy contained in hot flue gases and turns the energy into comfortable HEAT waves.

#### LOW CLEARANCE TO COMBUSTIBLES:

Can be safely installed in locations with awnings.

#### SLIM, NARROW DIMENSIONS:

Easy to install in narrow, low overhead clearance locations; suitable for long, narrow street side patio locations.

#### OVERHEAD DESIGN:

No floor space is lost as units hang from existing trellis or other overhead structures. Units can also mount to walls at an angle.

#### VARIABLE INPUT BURNER:

Patent pending, variable input design provides the right level of heat output for each location

#### FOUR LENGTHS TO CHOOSE FROM:

5, 10, 15 & 20 foot lengths are available. Multiple units can be grouped together to achieve any length required.

#### CERTIFIED FOR OUTDOOR & INDOOR APPLICATIONS:

Units are design certified to operate in outdoor environments, which include wind, rain, snow and temperatures as low as -40F. For indoor applications, the units can be safely vented through the wall or roof.

#### EASY-LIGHT IGNITION SYSTEM:

No pilot lights to ignite by hand, no valves to turn, no thermocouples to replace. By using a reliable, 3-Try, direct spark, electronic, 100% safety shut off, ignition system, units safely and consistently operate in all types of weather with the flick of a switch.

#### LOCAL OR REMOTE CONTROL:

Heaters can be operated remotely, or controls can be located on the units.

#### LOW MAINTENANCE:

No ceramic parts to break, or replace. No thermocouples to replace. Emitter tubes do not glow cherry red, therefore are not fatigued to the point of premature failure.

#### ECONOMICAL TO OPERATE:

Highly efficient reflectors capture the radiant energy, and direct it to the patio area. Heats more area with less fuel than any other style of patio heater.

#### HEAVY DUTY CONSTRUCTION:

High quality materials & workmanship eliminates metal fatigue and reflector warp or separation. Stainless Steel options are available.

#### NATURAL GAS OR PROPANE:

Units available for use with either fuel.