



# Rooftop Inducers



## The alternative to in-line inducers:

- The solution for inaccessible and short length vent connectors & chimneys
- Great for noise sensitive installations
- Connects easily to single wall, insulated and tile lined flues
- Rooftop mounting maintains negative pressure throughout entire vent system

*Clamshell design means faster, easier installation and maximum accessibility to chimney or vent pipe during inspection and servicing.*



## Features:

- Speed control compatible
- PSC ball bearing motors with -40°F low temp lubricant
- Patented motor cooling system automatically activates, extending motor life
- Clam-shell design for easy installation, inspection and service
- Hi-performance backward inclined impeller repels soot
- Hi-temp powder coat finish



*Proudly Made in the U.S.A.*

## 2 Versions Available

### Models RT750 & RT1500 For Gas or Oil Heating Equipment, Gas Fireplaces & Gas Ovens

Includes PSA-1 Fan Proving Switch



### Optional Controls for Models RT750 & RT1500



UC1 Interlock Control (For single gas or oil heater w/24 or 120 VAC burner circuit)

UCRT Interlock Control (Same as UC1 plus an adjustable speed control to fine tune RT-Series performance)



MAC1E & MAC4E Multiple Appliance controls (Allow additional heaters to be interlocked with a single inducer)



WHKE Millivolt Gas Water Heater Interlock (Interlocks non-powered gas heaters)

### Models RT750H & RT1500H For Solid Fuel Fireplaces, Stoves, Ovens, BBQs, Boilers & General Purpose Exhaust

Includes wall mount adjustable speed control



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## Optional Rooftop Stand

Supports weight of inducer for metal chimney installations.  
Models RTS8 or RTS12



## Tile Lined Chimneys

**RT750 Series**  
clamps to rectangular tile liners 6" x 6" through 10" x 14" and round tile liners from 6"-11".

**RT1500 Series**  
clamps to rectangular tile liners 8" x 8" through 12" x 14" and round tile liners from 10"-14".

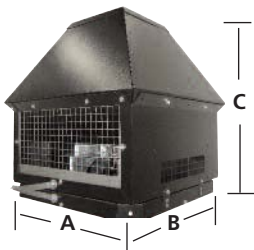
## Metal Vents

**RT750 Series**  
as small as 8" ID and as large as 12" OD.

**RT1500 Series**  
as small as 12" ID and as large as 20" OD.



## Dimensions:



	Model RT750(H)	RT1500(H)
A	16"	21"
B	16"	21"
C	18"	24"
Inlet Diameter	8"	12"

## Specifications:

Model	RT750(H)	RT1500(H)
CFM	250-750	750-1500
Motor HP	1/8	1/2
Motor Amps	1.5	5.0
Motor Volts	120	120
Weight	35 lbs	55 lbs



ETL Listed to UL378, UL705 & CAN/CSA B255-M81

Available From:

## Models RT750 & RT1500 Selection Table for Gas & Oil Applications SEA LEVEL ATMOSPHERIC WITH DRAFT HOOD

MODEL	VENT PIPE DIAMETER*	BTU/HOUR INPUT	MAX. EQUIVALENT PIPE LENGTH (FT) @ 400°F STACK
RT750	8"	400,000 to 700,000	100'
RT750	8"	700,000 to 900,000	50'
RT750	8"	900,000 to 1,100,000	25'
RT750	10"	700,000 to 1,000,000	100'
RT750	10"	1,000,000 to 1,200,000	50'
RT750	10"	1,200,000 to 1,300,000	25'
RT1500	12"	1,000,000 to 2,000,000	100'
RT1500	12"	2,000,000 to 2,400,000	50'
RT1500	12"	2,400,000 to 2,600,000	25'
RT1500	14"	2,000,000 to 2,500,000	100'
RT1500	14"	2,500,000 to 2,700,000	50'
RT1500	14"	2,700,000 to 2,900,000	25'

## SEA LEVEL FAN ASSISTED / POWER BURNER WITH BAROMETRIC DRAFT CONTROL

MODEL	VENT PIPE DIAMETER*	BTU/HOUR INPUT	MAX. EQUIVALENT PIPE LENGTH (FT) @ 400°F STACK
RT750	8"	500,000 to 900,000	100'
RT750	8"	900,000 to 1,200,000	50'
RT750	8"	1,200,000 to 1,400,000	25'
RT750	10"	900,000 to 1,200,000	100'
RT750	10"	1,200,000 to 1,500,000	50'
RT750	10"	1,500,000 to 1,700,000	25'
RT1500	12"	1,200,000 to 2,700,000	100'
RT1500	12"	2,700,000 to 3,200,000	50'
RT1500	12"	3,200,000 to 3,500,000	25'
RT1500	14"	2,700,000 to 3,500,000	100'
RT1500	14"	3,500,000 to 3,700,000	50'
RT1500	14"	3,700,000 to 3,900,000	25'

\*IMPORTANT: Select the inducer based on the BTU/hr input of the appliance(s) rather than the diameter of the appliance(s) vent outlet or chimney. Vent/Chimney sizes listed are the smallest inside diameter recommended for the associated BTU/hr input. Use a tapered reducing collar or transition fitting if the vent is reduced to the pipe diameter listed in selection table. To determine equivalent feet, add the total length of straight vent pipe plus 10 feet for each 90 degree elbow and 5 feet for each 45 degree elbow. Fan curves available @ tjernlund.com.

## Models RT750H & RT1500H Selection for Solid Fuel Fireplaces

Efficient draft that moves smoke up the chimney and keeps it from entering the living area is dependent on maintaining a negative pressure capture velocity at the hearth opening. Even if glass fireplace doors are present, reducing the open area, a negative pressure capture velocity must be calculated based on the entire hearth opening since the doors need to be opened to add additional logs.

Multiply the vertical and horizontal hearth opening to determine the face area opening in square feet. If the fireplace is open on the sides or back total all openings to arrive at the total face area.

If typically the fire can be maintained but smoke drifts into the room, select the model which has a face area capacity equal or greater than the face opening.

Maximum Face Area:	
RT750H	RT1500H
14 Ft <sup>2</sup>	28 Ft <sup>2</sup>

Tjernlund offers free design recommendations for unusual fireplace designs, such as free-standing and custom gas fireplaces. If in doubt, consult factory.



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