



TJERNLUND PRODUCTS, INC.

1601 Ninth Street • White Bear Lake, MN 55110-6794
 PHONE (800) 255-4208 • (651) 426-2993 • FAX (651) 426-9547
 Visit our web site • www.tjernlund.com

HSUL-J, HS115-J & HST-J POWER VENTER SPECIFICATIONS

MOTOR SPECIFICATIONS	
ELECTRICAL DATA	
Volts	115
Hertz	60
RPM	3000
Watts	95
Amps	1.26
Therm. Prot.	Yes
MECHANICAL DATA	
DESCRIPTION	
Shaded Pole	Yes
Open	Yes
Int. Fan Cooled	Yes
CASING	
Diameter (In)	3.33
Nom. Length (In)	4.50
SHAFT	
Diameter (In)	.313
Nom. Length (In)	2.25
BEARINGS	
Type	Sleeve
Material	Sintered Iron
COMPONENT DESCRIPTION	
Relay (Model HSUL-J only) 24/115V Switching Relay	
Timer Relay (Model HST-J only) Dual Voltage 24/115V input, 1-10 minute post purge adjustment	
Fan Proving Switch (All Models) 3 FLA, 18LRA @ 120V	

MODELS AND APPLICATION:

HSUL-J (Gas)

Used as a means of Side Wall Venting 24 volt controlled appliances. This Power Venter includes a 24/115 volt switching Relay and a Fan Proving Switch.

HS115-J (Gas)

Used as a means of Side Wall venting 115 volt appliances. This Power Venter DOES NOT include a Switching Relay but still includes the Fan Proving Switch.

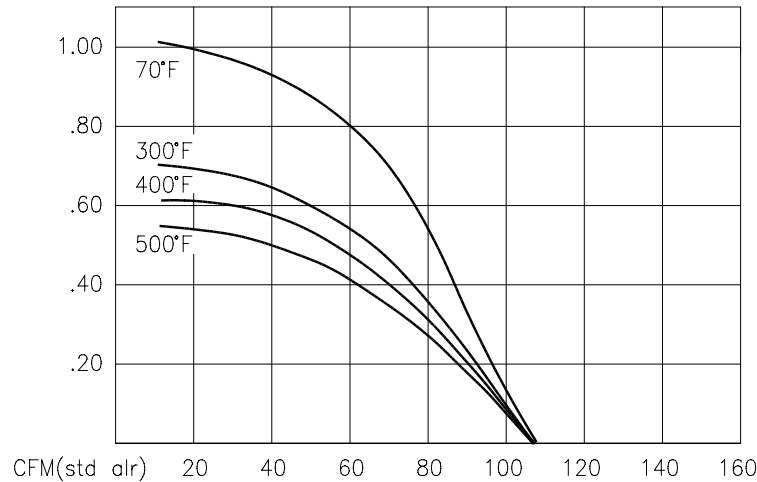
HST-J (Oil or Gas)

Used as a means of Side Wall Venting 24 volt or 115 volt controlled appliances which require a Post Purge cycle. This Power Venter includes a Post Purge Timer Relay and a Fan Proving Switch.

Note: Tjernlund Products, Inc. reserves the right to make changes to specifications without notification.

Performance curves

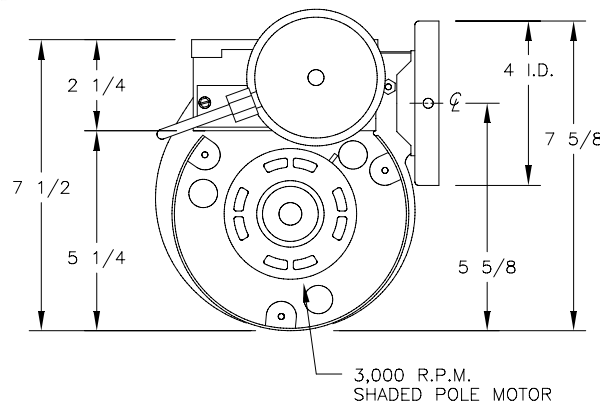
Static pressure (inches H₂O) vs CFM (std. air) at selected flue gas temps.
 NOTE: TO ARRIVE AT TOTAL SYSTEM STATIC PRESSURE REFER TO CURVE AND ADD .38" TO COMPENSATE FOR VENT HOOD AND WIND RESISTANCE.



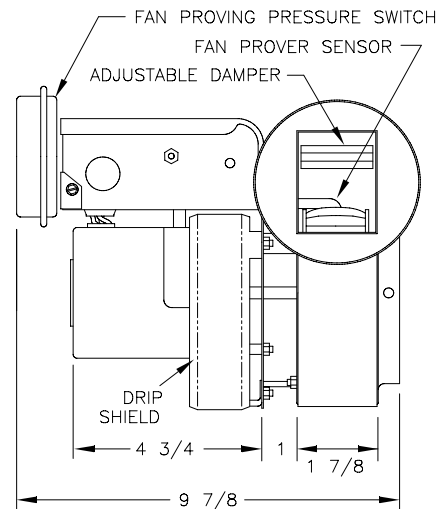
MODEL NUMBERS	VENT PIPE DIA.	BTU/HR INPUT	MAXIMUM PIPE LENGTH (FT) AT STACK TEMP		
			GAS FIRED 300° F	OIL FIRED 400° F	OIL FIRED 500° F
HS115-J	4"	50,000	100'	100'	100'
HSUL-J		75,000	100'	100'	100'
HST-J		100,000	100'	100'	100'
		125,000	35'	23'	-



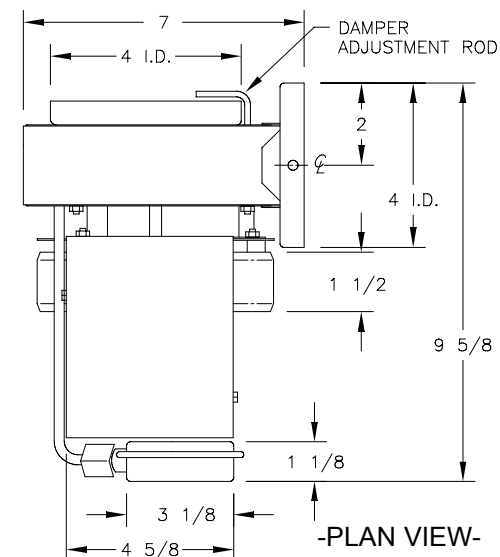
TOLERANCE: ± 1/8" UNLESS OTHERWISE NOTED



-SIDE VIEW-



-END VIEW-



-PLAN VIEW-



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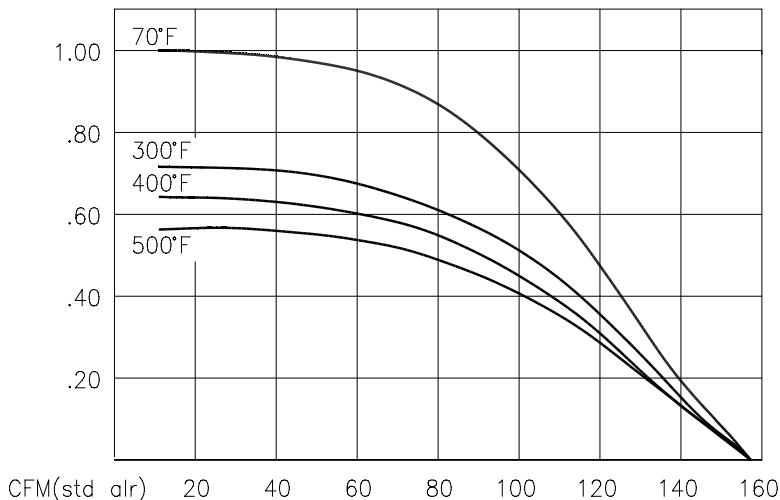
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HSUL-1, HS115-1 & HST-1 POWER VENTER SPECIFICATIONS

MOTOR SPECIFICATIONS	
ELECTRICAL DATA	
Volts	115
Hertz	60
RPM	3000
Watts	166
Amps	1.51
Therm. Prot.	Yes
MECHANICAL DATA	
DESCRIPTION	
Shaded Pole	Yes
Open	Yes
Int. Fan Cooled	Yes
CASING	
Diameter (In)	3.33
Nom. Length (In)	4.50
SHAFT	
Diameter (In)	.313
Nom. Length (In)	2.25
BEARINGS	
Type	Sleeve
Material	Sintered Iron
COMPONENT DESCRIPTION	
Relay (Model HSUL-1 only) 24/115V Switching Relay	
Timer Relay (Model HST-1 only) Dual Voltage 24/115V input, 1-10 minute post purge adjustment	
Fan Proving Switch (All Models) 3 FLA, 18LRA @ 120V	

Performance curves

Static pressure (inches H₂O) vs CFM (std. air) at selected flue gas temps.
 NOTE: TO ARRIVE AT TOTAL SYSTEM STATIC PRESSURE REFER TO CURVE AND ADD .38" TO COMPENSATE FOR VENT HOOD AND WIND RESISTANCE.



MODELS AND APPLICATION:

HSUL-1 (Gas)

Used as a means of Side Wall Venting 24 volt controlled appliances. This Power Venter includes a 24/115 volt switching Relay and a Fan Proving Switch.

HS115-1 (Gas)

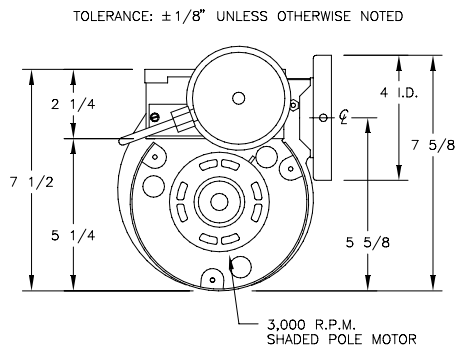
Used as a means of Side Wall venting 115 volt appliances. This Power Venter DOES NOT include a Switching Relay but still includes the Fan Proving Switch.

HST-1 (Oil or Gas)

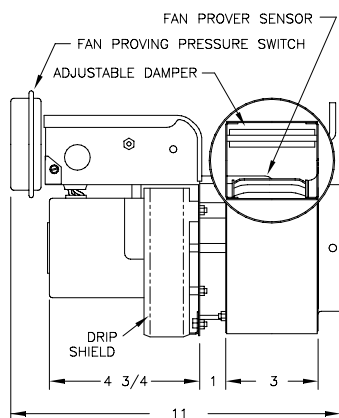
Used as a means of Side Wall Venting 24 volt or 115 volt controlled appliances which require a Post Purge cycle. This Power Venter includes a Post Purge Timer Relay and a Fan Proving Switch.

Note: Tjernlund Products, Inc. reserves the right to make changes to specifications without notification.

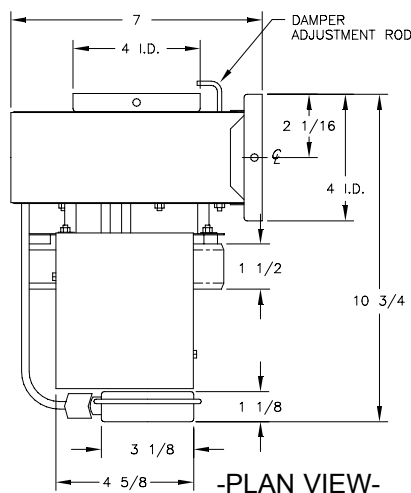
MODEL NUMBERS	VENT PIPE DIA.	BTU/HR INPUT	MAXIMUM PIPE LENGTH (FT) AT STACK TEMP		
			GAS FIRED	OIL FIRED	
			300° F	400° F	500° F
HS115-1	4"	150,000	100'	60'	35'
		200,000	87'	57'	27'
		250,000	40'	12'	—
		300,000	4'	—	—
HSUL-1	6"	150,000	100'	100'	100'
200,000		100'	100'	100'	
250,000		100'	92'	—	
		300,000	30'	—	—



-SIDE VIEW-



-END VIEW-



-PLAN VIEW-





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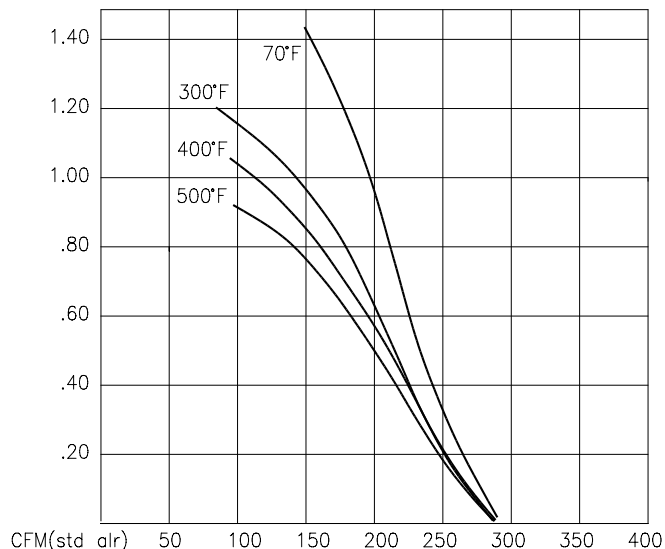
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HSUL-2, HS115-2 & HST-2 POWER VENTER SPECIFICATIONS

MOTOR SPECIFICATIONS	
ELECTRICAL DATA	
Volts	115
Hertz	60
RPM	3300
Watts	166
Amps	1.51
Therm. Prot.	Yes
MECHANICAL DATA	
DESCRIPTION	
Perm. Split Cap	Yes
Open	Yes
Int. Fan Cooled	No
CASING	
Diameter (In)	3.33
Nom. Length (In)	4.50
SHAFT	
Diameter (In)	.313
Nom. Length (In)	2.25
BEARINGS	
Type	Sleeve
Material	Sintered Iron
COMPONENT DESCRIPTION	
Relay (Model HSUL-1 only) 24/115V Switching Relay	
Timer Relay (Model HST-1 only) Dual Voltage 24/115V input, 1-10 minute post purge adjustable	
Fan Proving Switch (All Models) 3 FLA, 18LRA @ 120V	

Performance curves

Static pressure (inches H₂O) vs CFM (std. air) at selected flue gas temps.
 NOTE: TO ARRIVE AT TOTAL SYSTEM STATIC PRESSURE REFER TO CURVE AND ADD .38" TO COMPENSATE FOR VENT HOOD AND WIND RESISTANCE.



MODELS AND APPLICATION:

HSUL-2 (Gas)

Used as a means of Side Wall Venting 24 volt controlled appliances. This Power Venter includes a 24/115 volt switching Relay and a Fan Proving Switch.

HS115-2 (Gas)

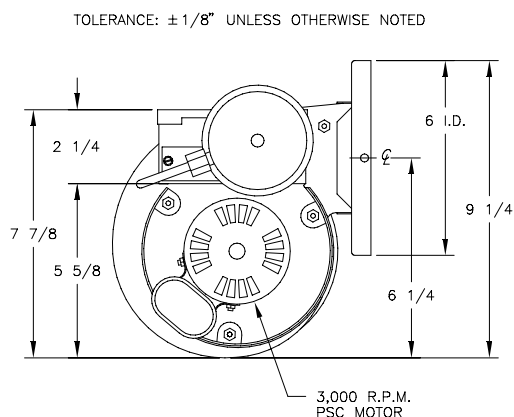
Used as a means of Side Wall venting 115 volt appliances. This Power Venter DOES NOT include a Switching Relay but still includes the Fan Proving Switch.

HST-2 (Oil or Gas)

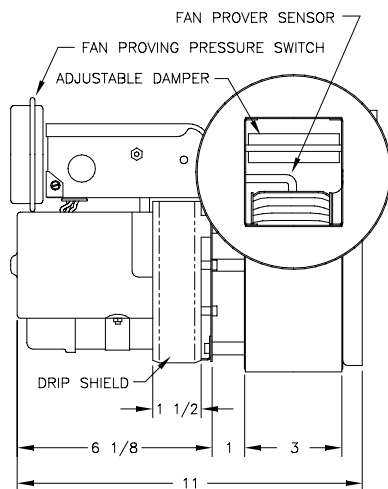
Used as a means of Side Wall Venting 24 volt or 115 volt controlled appliances which require a Post Purge cycle. This Power Venter includes a Post Purge Timer Relay and a Fan Proving Switch.

Note: Tjernlund Products, Inc. reserves the right to make changes to specifications without notification.

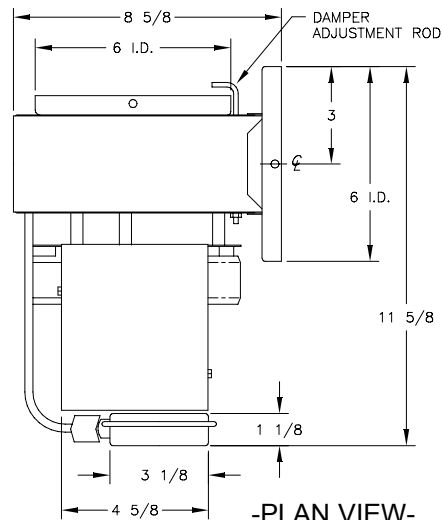
MODEL NUMBERS	VENT PIPE DIA.	BTU/HR INPUT	MAXIMUM PIPE LENGTH (FT) AT STACK TEMP		
			GAS FIRED		OIL FIRED
			300° F	400° F	500° F
HS115-2	6"	350,000	100'	100'	100'
		400,000	100'	100'	100'
		450,000	100'	100'	67'
		500,000	100'	72'	—
		600,000	15'	—	—
HSUL-2	8"	350,000	100'	100'	100'
		400,000	100'	100'	100'
		450,000	100'	100'	100'
		500,000	100'	100'	—
		600,000	67'	—	—



-SIDE VIEW-



-END VIEW-



-PLAN VIEW-

