HSJ POWER VENTER SPECIFICATIONS

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.

Motor Electrical Data
- Volts: 115
- Hertz: 60
- Watts: 95
- Amps: 1.26
- Therm. Prot.: Yes

Motor Mechanical Data
- DESCRIPTION:
  - Shaded Pole: Yes
  - Open: Yes
  - Int. Fan Cooled: Yes

- BEARINGS:
  - Type: Sleeve
  - Material: Sintered Iron

UC1 Universal Control
- Maximum Power Consumption 1/2 Amp @ 120 VAC 50/60 Hz + Venter motor load
- Pre-Purge: Options (0,15,30,60 seconds)
- Post-Purge: Factory set at 2 minutes
- Options (0,30 seconds; 1,2,4,8,16 minutes)
- Dimensions: 5" x 8" (2' electrical whip inc.)

Safety / Interlock
- Fan Proving Switch
  - 5 VDC UC1 board supplied power switched through Fan Prover. UC1 burner / gas valve interlock rated for 1 H.P. @ 120 VAC.

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

Models and Application:
- HSJ (Gas or Oil)
  - Used as a means of Side Wall Venting gas or oil appliances which require a Post Purge cycle. Used also to co-vent two gas heaters within combined BTU/hr. input listed below (requires accessory controls). Includes a Fan Proving Switch and the UC1 Universal Control for 24V, 115V or "dry contact" actuation. LED diagnostics and Pre / Post-purge options are standard with the UC1.

- HSUL-J (Discontinued 8/05)
- HS115-J & HST-J (Discontinued 7/02)
  - Replace above models with HSJ.

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**HS1 POWER VENTER SPECIFICATIONS**

**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:**

**HS1 (Gas or Oil)**  
Used as a means of Side Wall Venting gas or oil appliances which require a Post Purge cycle.  
Used also to co-vent multiple heaters within combined BTU/hr, input listed below (requires accessory controls).  
Includes a Fan Proving Switch and the UC1 Universal Control for 24V, 115V or “dry contact” actuation.  LED diagnostics and Pre / Post-purge options are standard with the UC1.

**HSUL-1 (Discontinued 8/05)**  
HS115-1 & HST-1 (Discontinued 7/02)  
Replace above models with HS1.

**Note:** Tjernlund Products, Inc. reserves the right to make changes to specifications without notification.
HS2 POWER VENTER SPECIFICATIONS

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:
HS2 (Gas or Oil)
Used as a means of Side Wall Venting gas or oil appliances which require a Post Purge cycle. Used also to co-vent multiple ... Control for 24V, 115V or "dry contact" actuation. LED diagnostics and Pre / Post-purge options are standard with the UC1.

HSUL-2 (Discontinued 8/05)
HS115-2 & HST-2 (Discontinued 7/02)
Replace above models with HS2.

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

MOTOR ELECTRICAL DATA
Volts 115
Hertz 60
RPM 3300
Watts 224
Amps 1.51
Therm. Prot. Yes

MOTOR MECHANICAL DATA
DESCRIPTION
Perm. Split Cap Yes
Open Yes
Int. Fan Cooled Yes

BEARINGS
Type Sleeve
Material Sintered Iron

UC1 UNIVERSAL CONTROL
Maximum Power Consumption 1/2 Amp @ 120 VAC 50/60 Hz + Venter motor load
Pre-Purge: Options (0,15,30,60 seconds)
Post-Purge: Factory set at 2 minutes
Options (0,30 seconds; 1,2,4,8,16 minutes)
Dimensions: 5’ x 8” (2’ electrical whip inc.)

SAFETY / INTERLOCK
Fan Proving Switch
5 VDC UC1 board supplied power switched through Fan Prover. UC1 burner / gas valve interlock rated for 1 H.P. @ 120 VAC.

MOTOR ELECTRICAL DATA
Volts 115
Hertz 60
RPM 3300
Watts 224
Amps 1.51
Therm. Prot. Yes

MOTOR MECHANICAL DATA
DESCRIPTION
Perm. Split Cap Yes
Open Yes
Int. Fan Cooled Yes

BEARINGS
Type Sleeve
Material Sintered Iron

UC1 UNIVERSAL CONTROL
Maximum Power Consumption 1/2 Amp @ 120 VAC 50/60 Hz + Venter motor load
Pre-Purge: Options (0,15,30,60 seconds)
Post-Purge: Factory set at 2 minutes
Options (0,30 seconds; 1,2,4,8,16 minutes)
Dimensions: 5’ x 8” (2’ electrical whip inc.)

SAFETY / INTERLOCK
Fan Proving Switch
5 VDC UC1 board supplied power switched through Fan Prover. UC1 burner / gas valve interlock rated for 1 H.P. @ 120 VAC.

PLANT VIEW