



# Submittal Data Sheet

## VSSI30 SQUARE IN-LINE FAN

Job Name: \_\_\_\_\_

Equipment Rep: \_\_\_\_\_

Contractor: \_\_\_\_\_

Prepared By: \_\_\_\_\_

Arch./Engr.: \_\_\_\_\_

Date: \_\_\_\_\_

**Description:**

VSSI Series Variable Speed Square In-line Fans are suitable for providing combustion air and/or ventilation.

Use with the CPC-3 Constant Pressure Controller, closed-loop VFD, and TD-Series Pressure Transducer for an automatic-variable speed system designed to modulate in order to always deliver the perfect amount of combustion air or ventilation. For an adjustable-fixed speed system, use an open-loop VFD to manually adjust the speed of the VSSI.

**Housing Construction:**

Constructed of heavy-gauge galvanized steel. Removable side panels provide access to motor assembly without removal of the duct connections.

**Impeller Construction:**

Backward inclined, non-overloading, aluminum wheel is statically and dynamically balanced.

**Motor:**

Three phase, 2 HP, 208-230/460 VAC, TEFC, E-PLUS 3, Inverter Duty Rated.

**Standard Equipment:**

- Motor Cover
- Vibration Isolators - Floor Mount, Neoprene
- Disconnect Switch - Unfused (NEMA 1), Shipped Loose
- PSA-1 Fan Proving Switch
- FFP-1 Fire and Freeze Protection Limit

**Optional Equipment:**

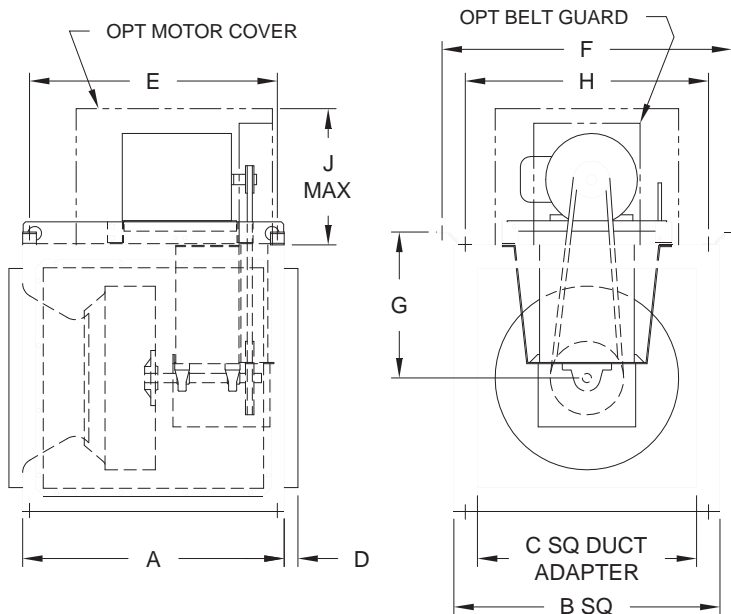
- CPC-3 Constant Pressure Controller
- IPS-1 Indoor Pressure Sensor with Decorative Cover Fitting
- TD-Series Pressure Transducer
- VFD-Series Variable Frequency Drive

**Listings:**

UL 705 - Power Venters

**Temperature Rating:**

120° F / 49° C



<b>VSSI30</b>	
Fan Type	Centrifugal
Voltage	3x230 / 3x460
Amps	5.97 / 2.70
RPM	1140
Power Rating	2 HP
Weight	223 Lbs
Dimension A	32.00"
Dimension B	32.34"
Dimension C	27.88"
Dimension D	1.50"
Dimension E	30.50"
Dimension F	35.06"
Dimension G	17.54"
Dimension H	30.00"
Dimension J	16.25"
Damper Size	28.00" x 28.00"
Side Discharge Size	27.88" x 27.88"