



Submittal Data Sheet

VFD-SERIES VARIABLE FREQUENCY DRIVES

Job Name: _____

Equipment Rep: _____

Contractor: _____

Prepared By: _____

Arch./Engr.: _____

Date: _____

Description

Tjernlund VFD-Series Drives from Yaskawa are pulse width modulated to generate an adjustable voltage to frequency three phase output for complete speed control of Tjernlund Auto-Draft® Series Commercial Ventilation and Draft Systems. All Drives are factory programmed for the Inducer or Blower they are controlling and specific mode of operation.

An Automatic-Variable Speed system includes a closed loop VFD, CPC-3 Constant Pressure Controller, TD-Series Pressure Transducer and an Auto-Draft® Inducer or Universal Blower. This system will automatically adjust the Inducer/Blower speed based on the pressure in the stack or room to always deliver perfect draft or combustion air. Closed loop VFD's include 10' quick connect cable to connect VFD and Inducer/Blower limit circuits to CPC-3.

An Adjustable-Fixed Speed system includes an an open loop VFD and an Auto-Draft® Inducer or Universal Blower. Inducer/Blower speed is manually adjusted by the installer with the VFD. Open loop VFD's include a Relay for easier interlock with the UC1 Universal Control.

Construction

The housing is constructed from 18 gauge aluminized steel and is coated with an industrial powder coating. It has NEMA class 1 construction.

Listings

UL, ULc and CE compliant.

Fan Model	VFD Model	Input Voltage (Note: All drives produce 3 phase output)	HP	3 Phase Amps
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MOTOR DRIVE (VFD)

