

Typical Specifications

The high-velocity jet induction fans shall be of the JetVent Fans JVEC Series by ZOO Fans[®] and shall be the model numbers shown on the schedule. Backward-curved centrifugal impellers, made from aluminum, shall be driven by full-variable speed EC external rotor motors with integrated EC controllers and integral thermal overload protection. Fans must be configurable to accept direct connection of optional CO, NO₂, and temperature sensors. Fans shall include lockable disconnect switch with three position lockout. Fan housings shall incorporate aerodynamically designed internal flow elements, be constructed of galvanized steel with a light gray powder-coated finish, and incorporate mounting brackets.



Fan Performance at Maximum Speed

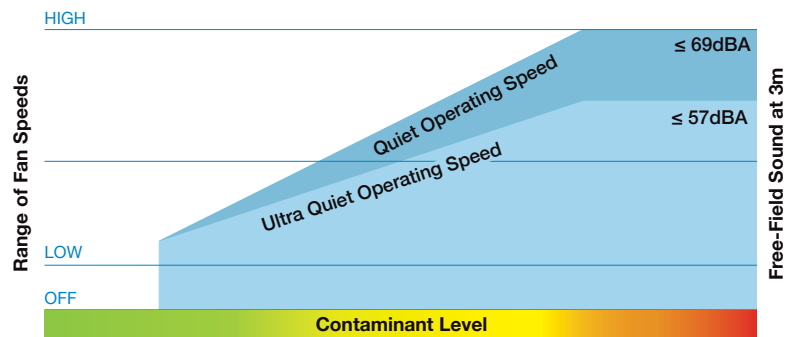
Model	Power	Thrust	Airflow	Free-Field Sound at 3 Meters
JVEC-HP	2.9 kW	98 Newtons	6145 CFM	66 dBA

Selection Table

Model	Operating Level	Operating Range	Thrust	Airflow	Free-Field Sound at 3 Meters	Quantity
JVEC-HP 380V – 480V 3Ph 4.8 A 50/60Hz	Quiet	25 to 100%	5 to 98 N	1015 to 6145 CFM	41 to 66 dBA	
	Ultra Quiet	25 to 70%	5 to 49 N	1015 to 4132 CFM	41 to 57 dBA	
	Engineer Specified Range	25 to ___%	5 to ___N	1015 to ___ CFM	41 to ___ dBA	

Dynamic Ventilation Rate

Based on Contaminant Level and Range of Preselected Operating Speed



Control Mode

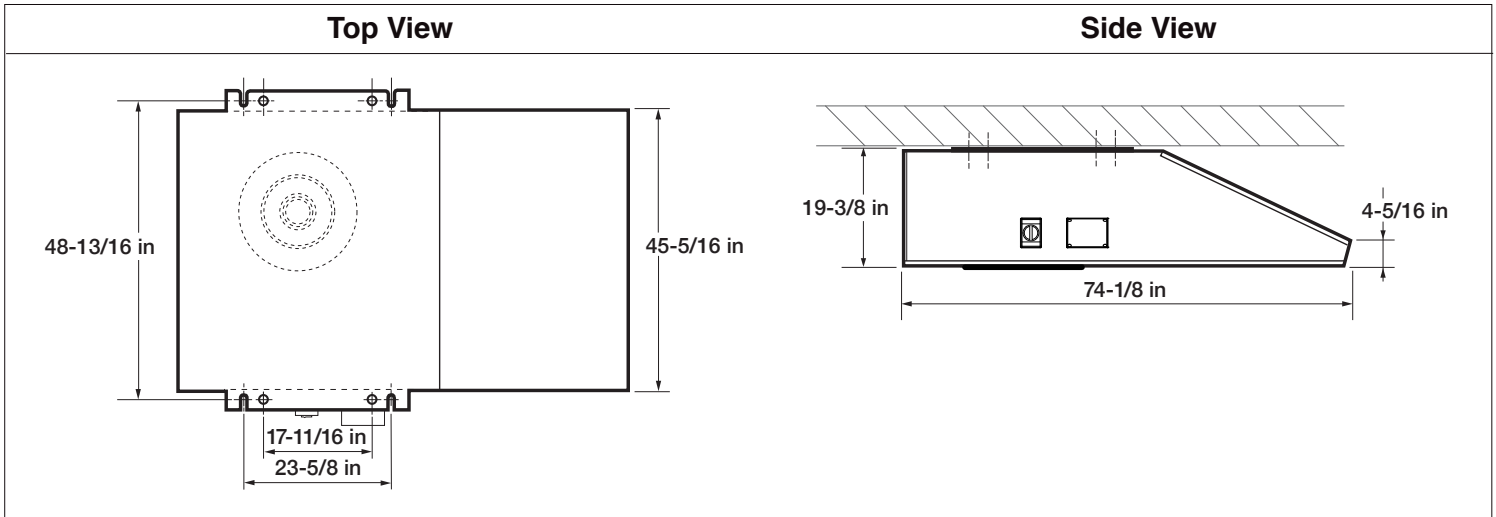
Model	Description	Select
Digital Control Configuration: (default)		
JVEC-HP.DIG	Digital Control	
Analog Control Configuration:		
JVEC-HP.ALG.V	0-10VDC Analog Control	
JVEC-HP.ALG.C	4-20mA Analog Control	
JVEC-HP.AUTO	Automatic Control with Sensors	

Controller and Sensor Options *Please refer to the JetVent Control Center submittal*

Technical Specifications

JETVENT® FANS EC-SERIES

JVEC-HP High Profile



JetVent Fan Schedule

Tag	Model	Manufacturer	Motor Type	Weight (lbs)	Thrust (N)	Volts	RPM	Power (kW)	Current (A)	dBA	Control
JVEC	JetVent JVEC-HP	ZOO Fans	Premium Efficiency EC	352	98	380V-480V 3Ph	1770	2.9	4.8	69	Fan speed directly proportional to CO/NO ₂ /Temp level

Notes:

1. Integrated soft-start EC motor. Do NOT use external starter.
2. Each fan must have dedicated inputs for two (2) external sensors. Sensors do not require external power supply.
3. Fan speed to run proportional to sensor or BAS demand. Refer to **JetVent Fan Control Sequence**.
4. dBA is Free-Field Sound level measured 3m from fan with multiple fans operating.
5. Sound measurements in accordance with ISO 13347.
6. Fans to be full variable-speed, and provide sensor values, fan status, and fault codes via Modbus. System to be BACnet capable.

JetVent Fan Control Sequence

Tag	Sensor	Fan Activation Level	Level for Maximum Fan Speed
SEN-CO	CO	___ PPM	___ PPM
SEN-NO2	NO ₂	___ PPM	___ PPM
SEN-TEMP	Temp	___ °C	___ °C

Notes:

1. Fan speed proportional from **Fan Activation Level** to **Level for Maximum Fan Speed**.
2. **Fan Activation Level** and **Level for Maximum Fan Speed** are adjustable via **JetVent Control Center**.
3. Up to two (2) external sensors per fan; additional sensors are supported by **JetVent Control Center**.

Project

Comments

Job Name:	Date:
Job Address:	
City:	State: ZIP:
Engineer:	

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