

JVEC-ULP Ultra Low Profile

JETVENT[®] FANS EC-SERIES | GARAGE VENTILATION

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, using special 3D blade geometry from high-performance composite, shall be driven by full-variable speed EC external rotor motor with integrated EC Controller 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. The housing shall incorporate aerodynamically designed internal flow elements, shall be constructed of galvanized steel with a light gray powder-coated finish, and incorporate mounting brackets.



Fan Performance at Maximum Speed

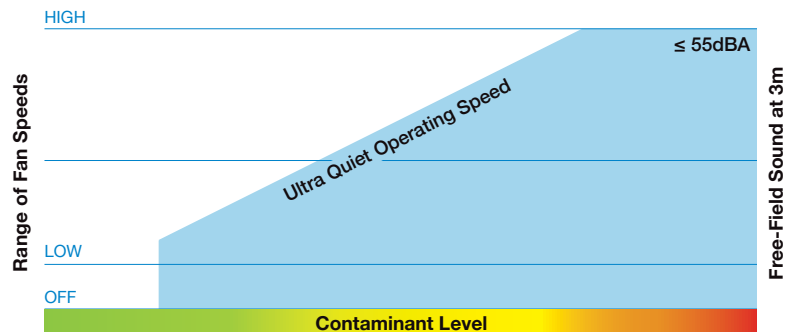
Model	Power	Thrust	Airflow	Free-Field Sound at 3 Meters
JVEC-ULP	0.56 kW	23 Newtons	1396 CFM	55 dBA

Selection Table

Model	Operating Level	Operating Range	Quantity
JVEC-ULP 208V – 277V 1Ph 2.6 A 50/60Hz	Ultra Quiet	25 to 100%	5 to 23 N 310 to 1396 CFM 36 to 55 dBA
	Engineer Specified Range	25 to ___%	5 to ___ N 310 to ___ CFM 36 to ___ dBA

Dynamic Ventilation Rate

Based on Contaminant Level and Range of Preselected Operating Speed



Control Mode

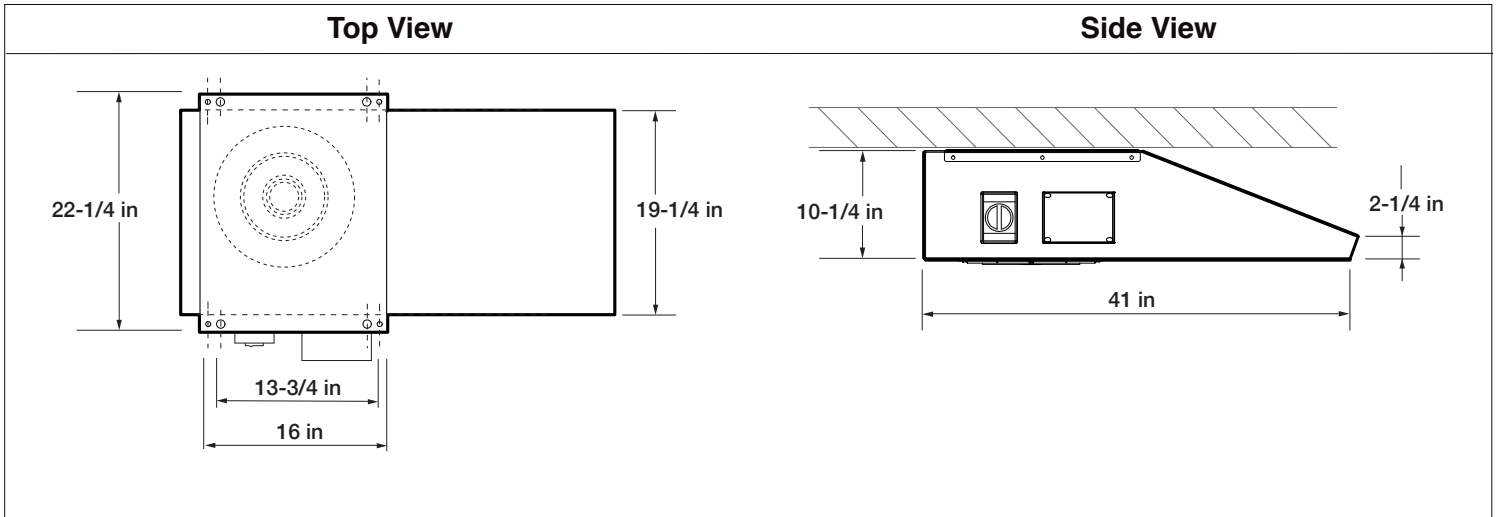
Model	Description	Select
Digital Control Configuration: (default)		
JVEC-ULP.DIG	Digital Control	
Analog Control Configuration:		
JVEC-ULP.ALG.V	0-10VDC Analog Control	

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

Technical Specifications

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JetVent Fan Schedule

Tag	Model	Manufacturer	Motor Type	Weight (lbs)	Thrust (N)	Volts	RPM	Power (kW)	Current (A)	dBA	Control
JVEC	JetVent JVEC-ULP	ZOO Fans	Premium Efficiency EC	93	23	208V-277V 1Ph	2100	.56	2.6	55	Fan speed directly proportional to CO/NO ₂ /Temp level

Notes:

1. Integrated soft-start EC motor. Do NOT use external starter.
2. Fan must have dedicated input for external sensor. Sensor does 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. Limit of one (1) external sensor 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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