

# Submittal Data / Specifications

## JET Series Polypropylene Inline Fans



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**APPLICATION:**

The JET Series centrifugal inline fan is designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry. JET Series fans shall be installed on a roof curb or inline as specified.

**MANUFACTURER:**

JET Series fans shall be manufactured under the authority of Plastec® Ventilation, Inc., Bradenton, Florida.

**MATERIALS OF CONSTRUCTION TEMPERATURE LIMITATION:**

Polypropylene casing and wheel recommended 140° F constant and up to 190° F for short periods of time.

**HOUSINGS: POLYPROPYLENE**

Fan housing and motor housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance. Screws holding motor housing to roof curb fan base shall be stainless steel. Metal in the air stream will not be tolerated. JET Series fans outlet should create a high plume of air to ensure maximum dilution of gases to prevent exhaust fumes returning into buildings.

**IMPELLER/WHEEL: POLYPROPYLENE**

Impellers/wheels shall be of forward-curved type and constructed of uniformly molded polypropylene blades. Impellers/Wheels shall be both electronically and dynamically balanced. Fan impeller/wheel shall be supplied with a motor shaft bushing and hubcap made of polypropylene to protect motor shaft end. Fan impeller/wheel shall be suitable for RPM of up to 3450 on models JET 20 and 25, and up to 1725 on model JET 30. Optional 304L stainless steel impeller/wheel available for models JET 20, JET 25 and JET 30.

**MOTORS:**

Motors shall be direct drive and of heavy-duty, lubricated for life ball bearing type for continuous duty. Motors shall be totally enclosed fan cooled (TEFC), UL and CSA compliant. Motor shall be outside the air stream and pre-wired to a disconnect switch for safety. Some models available with explosion-proof motors. Consult with factory for availability.

**PERFORMANCE:**

Fan performance shall be based on tests conducted in accordance with AMCA 210-85 and ISO 5801.

**WARRANTY:**

Plastec Ventilation, Inc. warrants its equipment, products and parts, to be free from defects in workmanship and material under normal use and service for **two years** after delivery to the first user. **Motors** carry a **one year** warranty. (See full warranty on page 6 of the Installation, Operation & Maintenance Manual)

PROJECT					ARCHITECT			
CONTRACTOR		DATE	SUBMITTED BY		ENGINEER			
SPECIFICATION								
Fan Position	Model #	CFM	In. WG	RPM	HP	Voltage/Phase	Qty	Accessories

**WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS** where fan's electrical system could provide ignition to combustible or flammable materials unless it is specifically built for hazardous environments. Plastec Ventilation, Inc.® reserves the right to substitute material or change product specifications.