

Submittal Data / Specifications

PLASTE[®] 50 Polypropylene Utility Blower



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DIRECT DRIVE ARRANGEMENT 4

APPLICATION:

The PLASTE[®] 50 Blower is designed to exhaust highly corrosive air in applications such as Laboratory Hoods, Water/Wastewater Industry, Metal Processing, Food Processing, Marine Industry, Air Scrubbers, Chemical Rooms/Cabinets and many other types of corrosive air applications.

MANUFACTURER:

PLASTE[®] 50 Blower shall be manufactured under the authority of Plastec Ventilation, Inc., Bradenton, Florida

MATERIALS OF CONSTRUCTION TEMPERATURE LIMITATION:

Polypropylene casing and wheel recommended for operation at 60° C/140°F with peaks up to 80° C/176° F. CAUTION! Only run above 60° C/140° F for short periods (few minutes) of time.

HOUSINGS:

Housings shall be constructed of strong, high-density UV treated polypropylene using Injection and Blow-Molding process for maximum quality and consistency. Housing shall be made of one single piece to completely avoid leaks. Shall be provided with Safety Protection Plate around the housing. Split molded housings are not acceptable. External assembly hardware shall be Stainless Steel.

IMPELLER/WHEEL:

Wheel shall be Backward Inclined non-overloading type and constructed of uniformly Injection Molded polypropylene. Blower Wheel shall be both electronically and dynamically balanced. Blower Wheel shall be supplied with a Hubcap made of polypropylene to protect motor shaft end and hub. Blower Wheel shall be suitable for RPM Specified by Performance Chart. All Wheel assembly hardware shall be Teflon Coated for maximum corrosive resistance. Metal in the airstream will not be tolerated.

MOTOR SUPPORT:

Motor Support Stand shall be steel with enamel coating. Motor Weather Protection shall be included. Motor Support Stand to include Flange hardware to rigidly support blower housing for maximum stability.

MOTORS:

Motors shall be direct drive heavy-duty ball bearing type rated for continuous duty. Motors shall be TEFC Premium Efficiency or Explosion-Proof when specified. Motors shall be Inverter Duty rated. Motors shall be UL and CSA approved for safety.

VFD/INVERTER:

PLASTE[®] 50 Models supplied with Pre-Programmed VFD/Inverter. Start up and Speed Control by Inverter/VFD. NEMA 1 Enclosure is standard and NEMA 4/IP65 Enclosures by others as specified.

PERFORMANCE:

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.