

Specifications / Submittal Data

PLASTECH 50 Polypropylene Utility Blower

Direct Drive Arrangement 4

Application:

The PLASTECH 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.

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.

Wheel/Impeller

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:

PLASTECH 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:

This equipment is warranted to be free from defects in material and workmanship for two years from date of **original** shipment. Any units or parts which prove to be defective and are reported during the warranty period, will be replaced at our option when returned to our factory, transportation prepaid **by the sender**. Deterioration of wear by heat, abrasive action, chemicals, improper installation or operation or lack of normal maintenance shall not constitute defects, and are not covered by warranty. **Transportation to and from the factory for warranty repairs is not covered under warranty and is the sole responsibility of the owner of the equipment.**

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