

# Submittal Data / Specifications

## STORM Series Polypropylene Blowers

### **APPLICATION:**

The STORM Series blower is designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry, especially those with higher static pressure and lower volume air flow.

### **MATERIALS OF CONSTRUCTION TEMPERATURE LIMITATION:**

Polypropylene casing and wheel recommended up to 190° F.

### **HOUSINGS: POLYPROPYLENE**

Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance. Housing shall be made of one single piece to completely avoid leaks. Split molded housings are not acceptable. Screws holding housing to back plate shall be stainless steel. Housing shall be rotatable to any of the 8 standard discharge positions. Metal in the air stream will not be tolerated. **Optional** carbon fiber impregnated polypropylene housing available when specified. See Submittal Data/Specifications for Explosion-Proof Series.

### **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. Blower impeller/wheel shall be supplied with a motor shaft bushing and hubcap made of polypropylene to protect shaft end. Blower impeller/wheel shall be suitable for RPM of up to 3450. **Optional** carbon fiber impregnated impeller/wheel is available when specified. See Submittal Data/Specifications for Explosion-Proof Series.

### **MOTOR SUPPORT:**

Standard stand to be manufactured in galvanized steel with enamel coating. Optional polypropylene motor support or grey powder coated cast aluminum motor support for complete motor protection shall be provided as specified.

### **MOTORS:**

Motors shall be direct drive and of heavy-duty ball bearing type for continuous duty with voltage as specified. Motors shall be totally enclosed fan cooled (TEFC). **Optional** Explosion-Proof Motors available (see Submittal Data/Specifications for PLASTEC® Explosion-Proof Series). Motor shall be UL and CSA approved for safety.

### **PERFORMANCE:**

Fan 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 |
|               |         |      |              |           |          |               |     |             |