OTHER AVAILABLE PRODUCTS & ACCESSORIES

TACHOMETERS & ENCODERS
Available from our stock from manufacturers such as Hubner, General Electric, Encoder Products, Dynapar, Northstar, Avtron, Radio Energie, Baldor.

CRANE DUTY BLOWERS
Available with DC Motors where AC Power is not available.

ENCODER & TACHOMETER/ENCODER PACKAGES
The combination of both a DC Tach and an Encoder with one mounting arrangement.

TACHOMETER & ENCODER MOUNTING KITS
for all makes of DC Motors including Marathon Blue & Black Max Vector duty motors.

BLOWER WHEELS
Replacement blower wheels for all of our cooling blowers.

COUPLINGS
Standard and special bore sizes including metric for Tachometers & Encoders.

COOLING BLOWER FAILURE SWITCHES
to sense static pressure and assure Blower is on.

MOUNTING PLATES & BLANK COVER PLATES
to mount Cooling Blower directly to frame of DC Motor.

TRANSITION ADAPTER BASES
to adapt oversize Cooling Blowers on smaller frame DC Motors.

BELLY BANDS
for mounting Cooling Blowers on round 180AT Frame GE Motors. Easy mounting, no machining.

TACH/ENCODER STUBS
for threading into the back of AC & DC Motors.
HEAVY DUTY COOLING BLOWERS

Now you can increase the life of your DC or AC electrical motors by using our heavy duty Cooling Blowers. These economical units will save you down time and increase motor efficiency:

- Heavy Aluminum Housing
- AC Motors, Totally Enclosed Fan Cooled or Totally Enclosed Motor Ventilated as standard
- Continuous Duty Rating
- Heavy duty steel impellers
- Wire mesh Filters
- Sparkproof construction
- Adaptor Plates to adapt blowers to any motor, machine, or cabinet

All dimensions in inches

<table>
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<tr>
<th>FRAME</th>
<th>BLOWER SIZE</th>
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<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>M</th>
<th>J</th>
<th>K</th>
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* Size #8 Blower recommended if motor is subjected to low speed at full torque. Above sizes for general reference. Call with motor specs for proper sizing.

Square filters available for sizes 6-8-9 blowers.

NET WT. in LBS. | OUTPUT CFM
--- | ---
10 | 19.5
11 | 19.5

MOUNTING FLANGE DIMENSIONS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>B</th>
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<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
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REPLACEMENT FILTERS

FOR ALL MAKES OF DC MOTORS INCLUDING:

- BALDOR
- POWERTRON
- RELIANCE ELECTRIC
- GENERA ELECTRIC
- US/EMERSON

Sizes 3 through 11, completely assembled and ready to mount. Add our Pre-Filter Wraps for extended Filter life and even more cost savings.

Helwig Carbon Products, Inc. 800-962-4851
REPLACEMENT FILTERS FOR RELIANCE

RELIANCE FILTER REPLACEMENTS – COMPLETE FILTER ASSEMBLY

<table>
<thead>
<tr>
<th>Frame</th>
<th>Reliance Part Number</th>
<th>Reliance Removed Part Number</th>
<th>Helwig Part Number</th>
<th>Filter Assembly Dimensions (Diam. x Length)</th>
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HEAVY DUTY DANCER POTENTIOMETER

The Dancer Duty Potentiometer Series HDD is designed for use in harsh environments for a multitude of industrial applications.

A 560° Potentiometer with a rotational life of 2,000,000 cycles is mounted inside a heavy cast protective housing with external mounting feet and is directly connected to the dancer shaft which extends through the enclosure by use of a double set of bearings. This mounting configuration is designed to eliminate lost motion and excessive loading to the Potentiometer shaft.

The dancer shaft itself is ½” diameter by 2 ½” long to carry dancer arms and timing or roller chain sprockets for rotational position. Wiring connections are made easy by a pre-wired strip within the enclosure.

Potentiometer values of 1K, 2K, 5K, and 10K are standard but special resistance values are available.

ENCODER / TACHOMETER MOUNTING KITS

- Encoder Mounting Kits for Series 25, 42, 46, and 625/325 Encoders (Specify make and frame of motor).
- Specialty Flange Adapter Plates to mount Encoders to PY Style Kits. (Specify make and series of Encoder).
- Tachometer Mounting Kits for PY, BC42 & BC46 Series Tachs.
- PY to BC42/46 Series Tachometer Mounting Flanges.
- DC 42/46 to PY Series Tachometer Mounting Flanges.
- Blue Max and Black Max Encoder and Tachometer mounting Kits.

PRE-FILTER WRAPS

- 5/8” thick polyester media provides high arrestance, extending life of your filter.
- Fibers are blended together to form a dense media that allows depth loading of particles yet low resistance to air flow.
- Pressure sensitive dry tackifier is applied to the air-leaving side to hold dirt particles on the fibers.
- Available from stock for filter sizes 3 through 11.
- Custom sizes manufactured to your specifications.
- Easiest installed. Simply wrap the media around your filter and secure in place using the velcro tabs.
- Environmentally friendly. Media is made from 100% post consumer recycled polyester fibers.
- Low cost, efficient investment will save you hundreds of dollars in filter replacements.

REPLACEMENT FILTERS FOR RELIANCE

<table>
<thead>
<tr>
<th>Helwig Part Number</th>
<th>Reliance Part Number</th>
<th>Reliance Removed Part Number</th>
<th>Columbus Fan Part Number</th>
<th>Complete Filter Assembly Dimensions (Diam. x Length)</th>
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