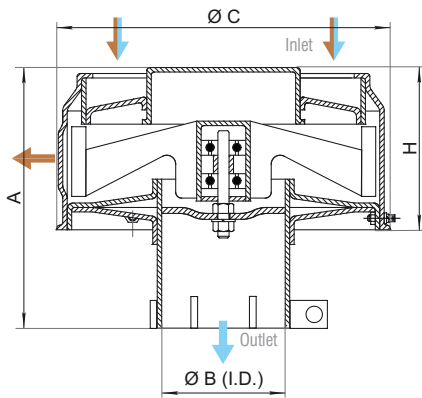
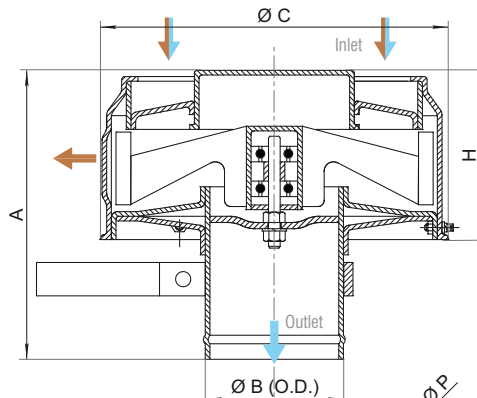


**Dynamic Engine Air Precleaners**  
For Under Hood Applications

**A For metal ducting connection**

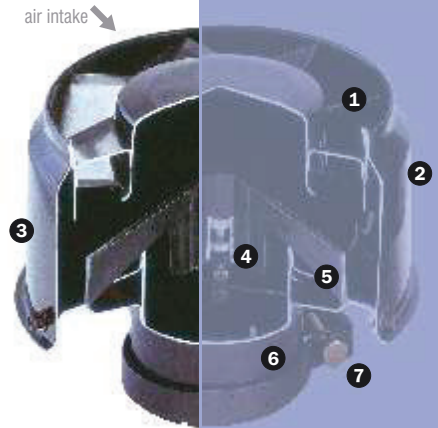


**B For flexible hose connection**



Mounting Band (B)

- Impure air.
- Clean air.
- Impurities.



- 1** Static Vanes
- 2** Housing
- 3** Discharge Ports
- 4** Two Ball Bearings
- 5** Rotor (spinner)
- 6** Outlet Pipe (to air cleaner)
- 7** Clamp

| MODEL            | Airflow Range                                      | Horsepower Range               | Weight                | Dimensions         |                   |                                  |                    |                   |                 |
|------------------|--|--------------------------------|-----------------------|--------------------|-------------------|----------------------------------|--------------------|-------------------|-----------------|
|                  |  |                                |                       | A                  | H                 | ØB                               | ØC                 | K                 | Ø P             |
| <b>A</b> PB 006  | 1.5 a 4.0 m <sup>3</sup> /min<br>(53 a 141 CFM)    | 30 a 60 HP<br>(22 a 45 KW)     | 0.80 kg<br>(1.75 lbs) | 116 mm<br>(4.57")  | 85 mm<br>(3.35")  | 63 mm<br>2.5" (D.I.)             | 142 mm<br>(5.59")  | ---               | ---             |
| <b>B</b> PB 006E | 1.5 a 4.0 m <sup>3</sup> /min<br>(53 a 141 CFM)    | 30 a 60 HP<br>(22 a 45 KW)     | 1.10 kg<br>(2.40 lbs) | 145 mm<br>(5.71")  | 85 mm<br>(3.35")  | 63 mm<br>2.5" (D.E.)             | 142 mm<br>(5.59")  | 145 mm<br>(5.71") | 9 mm<br>(0.35") |
| <b>A</b> PB007   | 4.0 a 5.0 m <sup>3</sup> /min<br>(141 a 176 CFM)   | 60 a 70 HP<br>(45 a 52 KW)     | 1.30 kg<br>(2.86 lbs) | 167 mm<br>(6.57")  | 104 mm<br>(4.09") | 76 mm<br>3" (D.I.)               | 179 mm<br>(7.05")  | ---               | ---             |
| <b>B</b> PB007E  | 4.0 a 5.0 m <sup>3</sup> /min<br>(141 a 176 CFM)   | 60 a 70 HP<br>(45 a 52 KW)     | 1.40 kg<br>(3.08 lbs) | 168 mm<br>(6.61")  | 104 mm<br>(4.09") | 76 mm<br>3" (D.E.)               | 179 mm<br>(7.05")  | 116 mm<br>(4.57") | 9 mm<br>(0.35") |
| <b>A</b> PP 021  | 5.0 a 8.0 m <sup>3</sup> /min<br>(176 a 282 CFM)   | 70 a 100 HP<br>(52 a 75 KW)    | 1.60 kg<br>(3.52 lbs) | 148 mm<br>(5.83")  | 100 mm<br>(3.94") | 102; 82 mm<br>4; 3.25"(D.I.)     | 200 mm<br>(7.87")  | ---               | ---             |
| <b>B</b> PP021E  | 5.0 a 8.0 m <sup>3</sup> /min<br>(176 a 282 CFM)   | 70 a 100 HP<br>(52 a 75 KW)    | 1.85 kg<br>(4.07 lbs) | 170 mm<br>(6.69")  | 100 mm<br>(3.94") | 82 mm<br>3.25" (D.E.)            | 200 mm<br>(7.87")  | 140 mm<br>(5.51") | 9 mm<br>(0.35") |
| <b>A</b> PP041   | 8.0 a 12.0 m <sup>3</sup> /min<br>(282 a 423 CFM)  | 100 a 140 HP<br>(75 a 104 KW)  | 1.95 kg<br>(4.30 lbs) | 180 mm<br>(7.09")  | 112 mm<br>(4.40") | 102 mm<br>4"(D.I.)               | 225 mm<br>(8.86")  | ---               | ---             |
| <b>B</b> PP041E  | 8.0 a 12.0 m <sup>3</sup> /min<br>(282 a 423 CFM)  | 100 a 140 HP<br>(75 a 104 KW)  | 2.20 kg<br>(4.85 lbs) | 187 mm<br>(7.36")  | 112 mm<br>(4.40") | 102 mm<br>4" (D.E.)              | 225 mm<br>(8.86")  | 140 mm<br>(5.51") | 9 mm<br>(0.35") |
| <b>A</b> PP061   | 12.0 a 18.0 m <sup>3</sup> /min<br>(423 a 635 CFM) | 140 a 200 HP<br>(104 a 150 KW) | 2.25 kg<br>(4.95 lbs) | 192 mm<br>(7.56")  | 122 mm<br>(4.80") | 133; 102 mm<br>5.25; 4"(D.I.)    | 239 mm<br>(9.41")  | ---               | ---             |
| <b>B</b> PP061E  | 12.0 a 18.0 m <sup>3</sup> /min<br>(423 a 635 CFM) | 140 a 200 HP<br>(104 a 150 KW) | 2.60 kg<br>(5.70 lbs) | 202 mm<br>(7.95")  | 122 mm<br>(4.80") | 133; 102 mm<br>5.25; 4" (D.E.)   | 239 mm<br>(9.41")  | 140 mm<br>(5.51") | 9 mm<br>(0.35") |
| <b>A</b> PP091   | 18.0 a 21.0 m <sup>3</sup> /min<br>(635 a 741 CFM) | 200 a 300 HP<br>(149 a 224 KW) | 3.00 kg<br>(6.60 lbs) | 212 mm<br>(8.35")  | 138 mm<br>(5.43") | 133; 114 mm<br>5.25; 4.5" (D.I.) | 280 mm<br>(11.02") | ---               | ---             |
| <b>B</b> PP091E  | 18.0 a 21.0 m <sup>3</sup> /min<br>(635 a 741 CFM) | 200 a 300 HP<br>(149 a 224 KW) | 3.50 kg<br>(7.71 lbs) | 228 mm<br>(8.98")  | 138 mm<br>(5.43") | 133 mm<br>5.25" (D.E.)           | 280 mm<br>(11.02") | 140 mm<br>(5.51") | 9 mm<br>(0.35") |
| <b>A</b> PP131   | 21.0 a 28.0 m <sup>3</sup> /min<br>(741 a 988 CFM) | 300 a 350 HP<br>(224 a 261 KW) | 3.30 kg<br>(7.25 lbs) | 256 mm<br>(10.08") | 156 mm<br>(6.14") | 152; 133 mm<br>6; 5.25" (D.I.)   | 331 mm<br>(13.03") | ---               | ---             |

Notes: 1) In normally aspirated engines the model selection by horsepower range is just a recommendation. 2) In turbocharged or turbo-aftercooled engines the correct model selection is based on the maximum air flow. 3) For particular applications you have a complete line of installation accessories. 4) For metal ducting connection Precleaners (A), the diameters ØB (Outlet Size) are the standard inside diameters. From these the outlet tube can be adapted with reducing sleeves for a variety of smaller outlet choices. These sleeves are provided from Ø 7" to Ø 2.5" generally in ¼" or ½" steps.



## Dynamic Engine Air Precleaners For Under Hood Applications

# DUST BUSTER

### PRODUCTS

These Air Precleaners consist of a steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings over double-welded plate steel. The outlet tube can be connected to metal ducting using the supplied reduction sleeves or to a flexible hose connection ("E" models).

DUSTBUSTER Engine Air Precleaners are powder coated for a durable, corrosion-resistant finish. Air flows range from 53 to 988 CFM (1.5 to 28.0 m<sup>3</sup>/min). Complete specifications are provided on the previous page.

### HOW THEY WORK

DUSTBUSTER Under Hood Engine Air Precleaners can be remote mounted or attached directly to the air cleaner, eliminating the need for an external air intake.

Air enters the precleaner through static vanes causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain and snow from the air stream. The swirling air drives a high velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the unit. Only purified air flows to the air cleaner.

### FEATURES AND BENEFITS

- Remove up to 90 % of impurities from intake air before the air enters the filter elements.
- Extend engine air filter life up to 10 times.
- Reduce down time by up to 50%.
- Prolong engine and turbocharger life.
- Save up to 10% on fuel costs.
- Easy to install.
- Mounting flexibility.
- Wide range of applications and flow rates.
- High air flow, low differential design.
- Steel housing, powder coat.
- The Precleaners are self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles. They require virtually no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas.
- No exterior vehicle modification for intake air.

### APPLICATIONS

DUSTBUSTER Under Hood Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of the gasoline, diesel or compressed natural gas engine air cleaner. Their compact size and shape makes mounting easy in under hood applications where space is limited.

Their applications include trucks; pick ups; tractors; earth moving, construction and mining equipment; stationary engines; generator sets; snow removal equipment and street sweepers.

