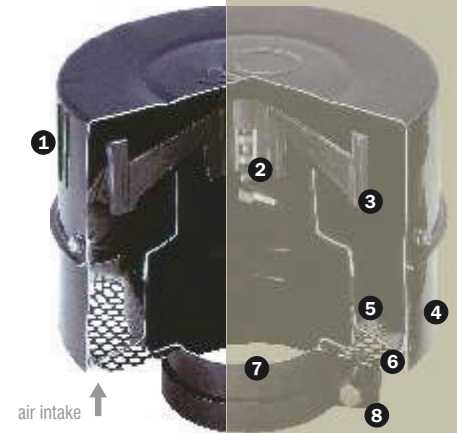
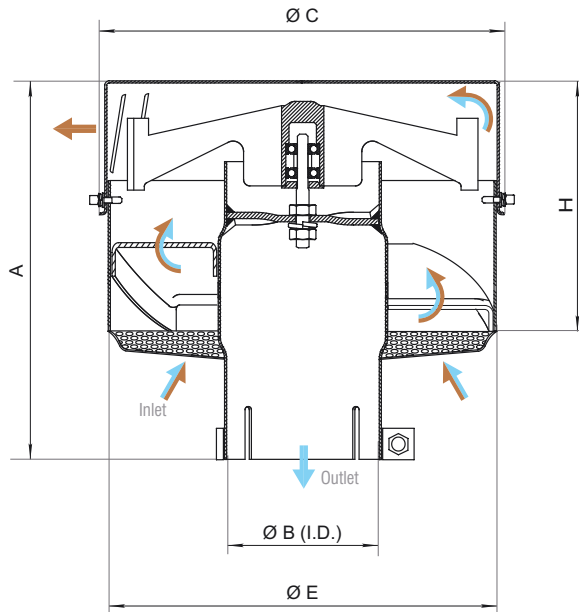


**Externally Mounted Dynamic Engine Air Precleaners - KC Series**  
For Agriculture, Earth Moving Machinery,  
Trucks and Stationary Applications.



- Impure air.
- Clean air.
- Impurities.

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

MODEL	Airflow Range	Horsepower Range	Weight	Dimensions				
				A	H	ØC	ØE	ØB (Outlet Size)
<b>KC 11</b>	0.6 a 1.4 m <sup>3</sup> /min (21 a 50 CFM)	10 a 25 HP (7 a 19 KW)	0.40 kg (0.90 lbs)	91 mm (3.58")	62 mm (2.44")	113 mm (4.45")	105 mm (4.13")	38 mm (1.5")
<b>KC 21</b>	1.0 a 1.5 m <sup>3</sup> /min (35 a 53 CFM)	15 a 30 HP (11 a 22 KW)	0.60 kg (1.30 lbs)	102 mm (4.00")	70 mm (2.76")	133 mm (5.24")	123 mm (4.84")	51 mm (2")
<b>KC 31</b>	1.5 a 3.5 m <sup>3</sup> /min (53 a 124 CFM)	30 a 60 HP (22 a 45 KW)	1.10 kg (2.40 lbs)	154 mm (6.06")	114 mm (4.50")	178 mm (7.00")	165 mm (6.50")	76 mm (3")
<b>KC 41</b>	3.5 a 7.0 m <sup>3</sup> /min (124 a 247 CFM)	60 a 120 HP (45 a 90 KW)	1.60 kg (3.50 lbs)	178 mm (7.00")	134 mm (5.28")	199 mm (7.83")	187 mm (7.36")	102; 82 mm (4; 3.25")
<b>KC 81</b>	7.0 a 11.0 m <sup>3</sup> /min (247 a 388 CFM)	120 a 160 HP (90 a 120 KW)	2.00 kg (4.40 lbs)	199 mm (7.83")	155 mm (6.10")	243 mm (9.57")	232 mm (9.13")	114; 102; 82 mm (4.5; 4; 3.25")
<b>KC 91</b>	11.0 a 15.0 m <sup>3</sup> /min (388 a 530 CFM)	160 a 220 HP (120 a 165 KW)	2.50 kg (5.50 lbs)	207 mm (8.15")	150 mm (5.91")	280 mm (11.02")	266 mm (10.47")	133; 114 mm (5.25; 4.5")
<b>KC 111</b>	15.0 a 22.0 m <sup>3</sup> /min (530 a 776 CFM)	220 a 300 HP (165 a 225 KW)	3.00 kg (6.60 lbs)	214 mm (8.43")	160 mm (6.30")	309 mm (12.17")	298 mm (11.73")	152; 133 mm (6; 5.25")
<b>KC 211</b>	22.0 a 30.0 m <sup>3</sup> /min (776 a 1059 CFM)	300 a 400 HP (225 a 300 KW)	4.00 kg (8.80 lbs)	232 mm (9.13")	192 mm (7.56")	359 mm (14.13")	348 mm (13.70")	203; 178; 152 mm (8; 7; 6")
<b>KC 411</b>	30.0 a 40.0 m <sup>3</sup> /min (1059 a 1411 CFM)	400 a 550 HP (300 a 410 KW)	5.60 kg (12.40 lbs)	263 mm (10.35")	199 mm (7.83")	435 mm (17.13")	425 mm (16.73")	203; 178 mm (8; 7")

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) 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.



# Externally Mounted Dynamic Engine Air Precleaners - KC Series

## For Agriculture, Earth Moving Machinery, Trucks and Stationary Applications.



### PRODUCTS

These Air Precleaners consist of a steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings. The perforated metal pre-screen at the inlet is standard. The outlet tube can be adapted with the supplied reducing sleeves for a variety of outlet choices.

DUSTBUSTER Engine Air Precleaners are powder coated for a durable, corrosion-resistant finish. Air flows range from 21 to 1411 CFM (0.6 to 40.0 m<sup>3</sup>/min). Complete specifications are provided on the previous page.

### HOW THEY WORK

DUSTBUSTER Engine Air Precleaners are usually installed in place of the rain cap, dust bowl, or aspirated precleaner (exhaust system). In some applications, they can be mounted directly to the air cleaner.

Air enters the system through a pre-screen that removes large debris. It then flows 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 filter elements.

### FEATURES AND BENEFITS

- Remove up to 80 % of impurities from intake air before the air enters the filter elements.
- Compact, low-profile design.
- The bottom-intake air entry design eliminates the opportunity for water intrusion during high speed and stationary operation.
- Extend engine air filter life.
- Reduce down time.
- Prolong engine and turbocharger life.
- Save on fuel costs.
- Easy to install. Three plastic outlet reduction sleeves are provided with each assembly.
- Wide range of applications and flow rates.
- High air flow, low differential design.
- Steel housing, black powder coat.
- DUSTBUSTER Air 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.

### APPLICATIONS

DUSTBUSTER Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of a gasoline, diesel or compressed gas engine air cleaner. Their applications include all fast-moving mobile equipment such as trucks, buses and recreational vehicles.

