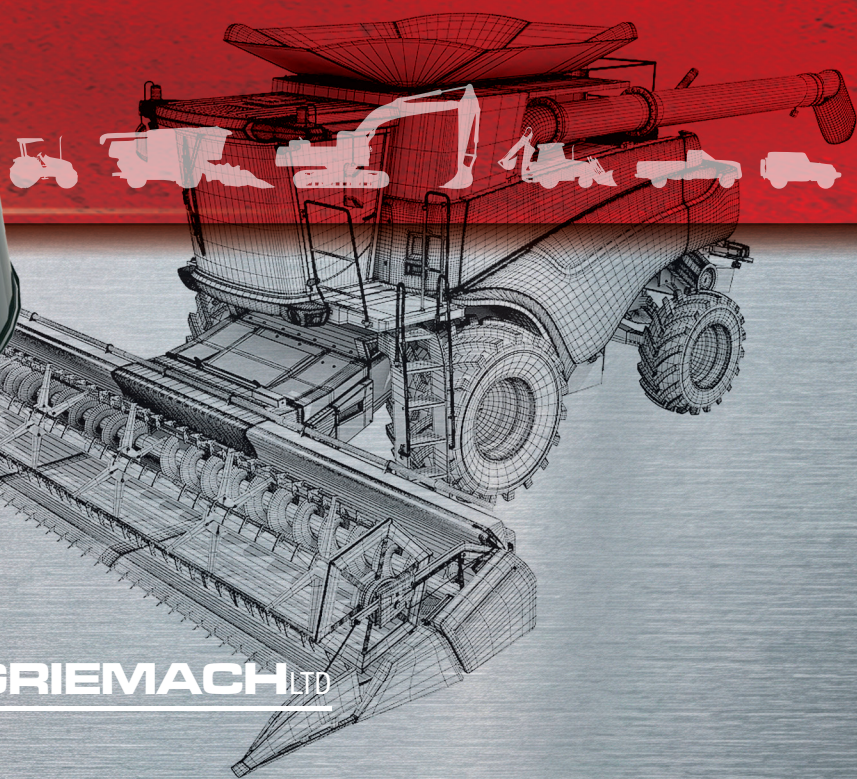


AIR FILTRATION SYSTEMS

DUST BUSTER



AGRIEMACH LTD

A satellite image of a large hurricane, showing a well-defined eye and spiral cloud bands. The text "DUST BUSTER" is overlaid in the center of the storm's eye.

**DUST
BUSTER**

Our Products



DYNAMIC ENGINE AIR PRECLEANERS

The DustBuster engine air precleaner is a complete, dynamic device that utilizes centrifugal force to separate dirt particles. It is designed to remove contaminants such as dust, insects, plant debris, and snow from the air intake of any internal combustion engine before the contaminated air reaches the main filter.

DustBuster dynamic air precleaners serve as the first stage of filtration. They are usually installed where the rain cap, dust bowl, or aspirated precleaner (exhaust system) are located. In some applications, they can be mounted directly to the engine's conventional air filter housing.

How it Works: Intake: Air enters the system through a pre-screen that removes large debris.

Centrifugal Separation: The air then flows through static vanes, causing it to spin. As the air spins, it produces a centrifugal force that separates all debris from the airstream. / **Evacuation:** The swirling air drives a high-speed rotor with fins that act as a blower, evacuating contaminants through a special discharge port at the bottom of the device. As a result, only clean air enters the main filter.

Common Applications: Agricultural machinery, construction equipment, gen-sets, mining machines, mobile trucks, and stationary equipment operating in high-dust environments.

DUAL FILTER ELEMENT HOUSINGS

These are the filter containers or canisters that house the primary and/or safety filter elements. We produce different versions with or without internal static vanes. These filter canisters allow the use of standard air filter cartridges across all types of diesel engine applications.

COMBINED SYSTEMS

DustBuster also combines the benefits of dynamic engine air precleaners (featuring an internal turbine or rotor) with filter housings (dry filtering elements) into a single, compact device. This requires only one connection to the engine air intake.

This unique system, developed using DustBuster technology over 25 years ago, eliminates the need for multiple external connections, resulting in a compact unit that significantly reduces airflow restriction.

Key Benefits:

- 3-Stage Filtration: Built into a single package.
- 99.9% Efficiency: High-efficiency contaminant removal.
- Extended Filter Life: Filter elements last at least 4 times longer due to the integrated precleaning system.

ACCESSORIES

We also supply all the necessary components for product installation and connection, including:

Rubber elbows / Application kits / Metal pipe extensions / Adapters and hoses / Our accessory range covers the full spectrum of our product offerings.



MO GR

DUST BUSTER

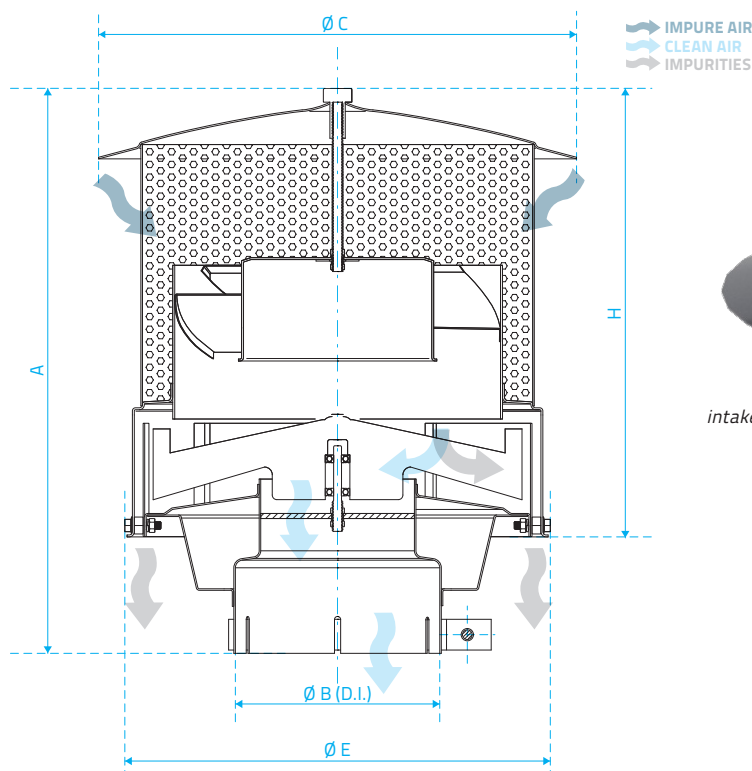
MODEL	AIRFLOW RANGE m ³ /min (CFM)	HORSEPOWER RANGE HP (Kw)	WEIGHT Kg. (Lbs.)	Dimensions				
				A mm (")	H mm (")	ØC mm (")	ØE mm (")	ØB Outlet Size mm (")
MO 414	3.5 - 7.0 (124 - 247)	60 - 120 (45 - 90)	2.85 (6.30)	330 (13)	262 (10.31)	221 (8.70)	199 (7.83)	102; 82; 76; 70 (4; 3.25; 3; 2.75)
MO 818	7.0 - 11.0 (247 - 388)	120 - 160 (90 - 120)	3.55 (7.80)	359 (14.13)	280 (11.02)	272 (10.70)	245 (9.64)	133; 114; 110; 102; 82 (5.25; 4.5; 4.33; 4; 3.25)
MO 919	11.0 - 15.0 (388 - 530)	160 - 220 (120 - 165)	4.60 (10.10)	371 (14.61)	293 (11.54)	311 (12.24)	276 (10.87)	152; 133; 127; 114; 102 (6; 5.25; 5; 4.5; 4)
GR 183	15.0 - 22.0 (530 - 776)	220 - 300 (165 - 225)	5.80 (12.75)	410 (16.14)	335 (13.18)	357 (14.05)	310 (12.20)	280; 178; 152; 133; 114 (11; 7; 6; 5.25; 4.5)
GR 400	22.0 - 30.0 (776 - 1059)	300 - 400 (225 - 300)	7.50 (16.50)	500 (18.50)	380 (14.96)	415 (16.33)	354 (13.93)	280; 203; 178; 152 (11; 8; 7; 6)
GR 500	30.0 - 40.0 (1059 - 1411)	400 - 550 (298 - 410)	9.50 (20.90)	505 (19.88)	402 (15.82)	475 (18.70)	440 (17.32)	330; 254; 210; 203; 178 (13; 10; 8.26; 8; 7)

(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation.

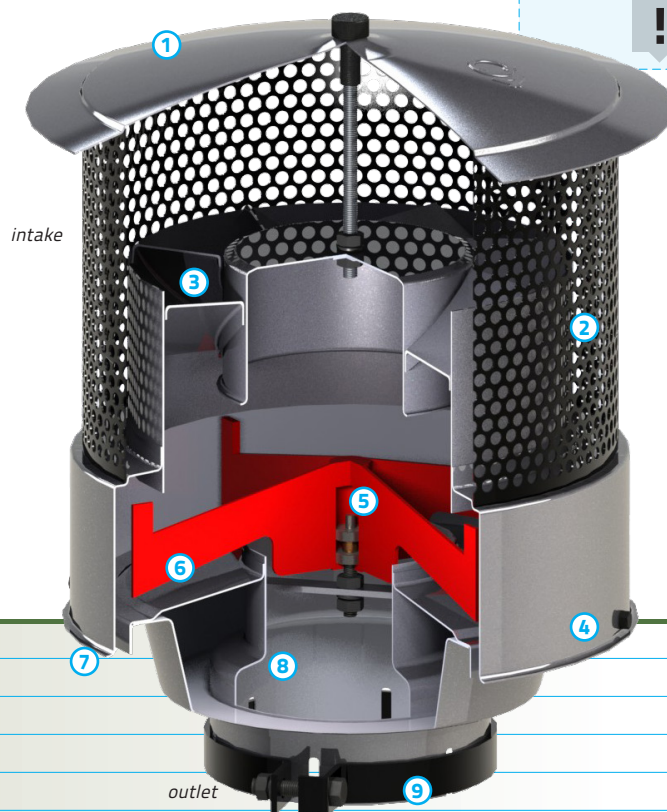
(3) Height "A" varies by diameter ØB. The value provided represents the tallest unit in each product family.

(4) The diameters ØB (Outlet Size) represent the standard inside diameters. From these, the outlet tube can be adapted using reducing sleeves for a variety of smaller outlet choices. These sleeves are generally available from Ø 7" to Ø 2.5" in 1/4" or 1/2" steps.

Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.



Occasionally check that no foreign material to block the air intake areas, or discharge of particles.



- | | |
|----------------------|---------------------------------|
| 1. Cap | 6. Rotor (spinner) |
| 2. Screen (air int) | 7. Discharge Ports |
| 3. Static Vanes | 8. Outlet Pipe (to air cleaner) |
| 4. Housing | 9. Clamp |
| 5. Two Ball Bearings | |

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 at the bottom or on the side of the unit. **Only purified air flows to the air filter elements.**

EXTERNALLY MOUNTED DYNAMIC ENGINE AIR PRECLEANERS

*For Agriculture, Earthmoving Machinery
and Stationary Applications*

3,5 to 40,0
m³/min.

These air precleaners consist of a heavy-duty steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings over a double-welded steel base plate. A high-efficiency perforated metal pre-screen at the inlet is included as standard. The outlet tube can be easily adapted to a variety of intake configurations using the supplied reducing sleeves. DustBuster engine air precleaners are finished with a premium powder coating to deliver exceptional durability and long-lasting corrosion resistance. Airflow capacities range from 53 to 1411 CFM (1.5 to 40.0 m³/min).

APPLICATIONS

DustBuster engine air precleaners are designed to be mounted on or connected directly to the air filter intake of gasoline, diesel, or compressed natural gas (CNG) engines. Their heavy-duty design makes them ideal for all slow-moving, industrial, and severe-duty equipment, such as: **Agricultural machinery:** Tractors, combines, and support equipment. **Heavy machinery:** Earthmoving, construction, and mining equipment. **Power systems:** Stationary pumping plants and generator sets (gen-sets). **Utility equipment:** Material handling vehicles, snow removal equipment, and street sweepers.



90%

EFFICIENCY

Removes up to 90% of impurities (dust, snow, rain, etc.) before they reach the air filter.



10x

AIR FILTER

Extends engine air filter life up to 10 times.



50%

LESS MAINTENANCE

Reduces downtime by up to 50%.



MORE SHELF LIFE

Prolongs engine and turbocharger life.



-10%

SAVING

Save up to 10% on fuel costs.



EASY TO INSTALL

Three plastic outlet reduction sleeves are provided with each assembly.



VERSATILITY

Wide range of applications and flow rates.



DURABILITY

Steel housing with a powder-coated finish.



SELF-PROPELLED

Requires no electricity or connection to the exhaust gas stream to perform filtration.



SELF-CLEANING

They require virtually no maintenance.



AIR FLOW

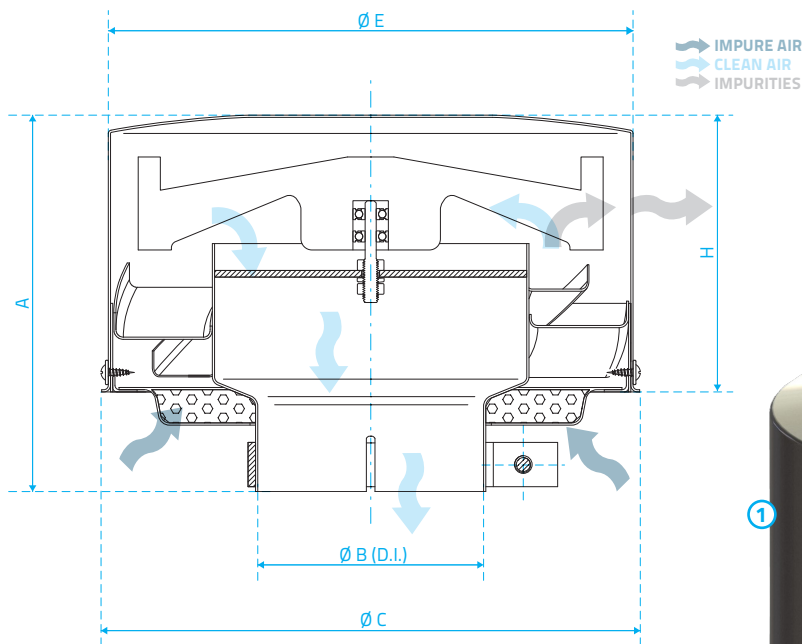
High airflow with low additional restriction values.

KC

DUST BUSTER

MODEL	AIRFLOW RANGE m ³ /min (CFM)	(1) HORSEPOWER RANGE HP (Kw)	(2) WEIGHT Kg. (Lbs.)	Dimensions				
				A mm (") (3)	H mm (")	ØC mm (")	ØE mm (")	ØB Outlet Size. mm (") (4)
KC 11	0.6 - 1.4 (21 - 50)	10 - 25 (7 - 19)	0.40 (0.90)	94 (3.70)	62 (2.44)	113 (4.45)	108 (4.25)	38 (1.5)
KC 21	1.0 - 1.5 (35 - 53)	15 - 30 (11 - 22)	0.50 (1.10)	102 (4.00)	70 (2.76)	133 (5.25)	124 (4.88)	51 (2)
KC 31	1.5 - 3.5 (53 - 124)	30 - 60 (22 - 45)	1.20 (2.65)	164 (6.46)	106 (4.17)	178 (7)	167 (6.57)	76 (3)
KC 41	3.5 - 7.0 (124 - 247)	60 - 120 (45 - 90)	1.30 (2.87)	162 (6.38)	108 (4.25)	199 (7.83)	187 (7.36)	102; 82 (4; 3.25)
KC 81	7.0 - 11.0 (247 - 388)	120 - 160 (90 - 120)	1.80 (4.00)	174 (6.85)	125 (4.92)	243 (9.56)	233 (9.17)	127; 114; 102; 82 (5; 4.5; 4; 3.25)
KC 91	11.0 - 15.0 (388 - 530)	160 - 220 (120 - 165)	2.40 (5.30)	208 (8.18)	152 (5.98)	273 (10.74)	267 (10.51)	133; 114 (5.25; 4.5)
KC 111	15.0 - 22.0 (530 - 776)	220 - 300 (165 - 225)	2.90 (6.40)	233 (9.17)	154 (6.06)	309 (12.16)	298 (11.73)	178; 152; 133 (7; 6; 5.25)
KC 211	22.0 - 30.0 (776 - 1059)	300 - 400 (225 - 300)	3.40 (7.50)	200 (7.87)	160 (6.30)	359 (14.13)	348 (13.70)	203; 178; 152 (8; 7; 6)
KC 411	30.0 - 40.0 (1059 - 1411)	400 - 550 (300 - 410)	5.20 (11.50)	243 (9.56)	183 (7.20)	440 (17.32)	427 (16.81)	203; 178 (8; 7)

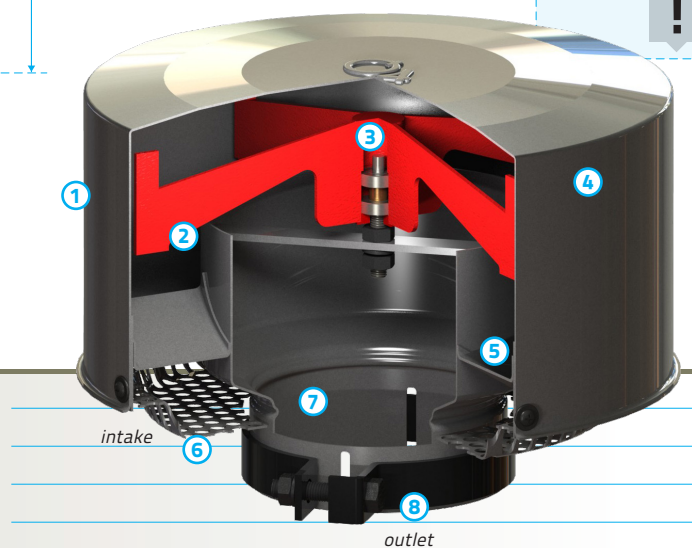
(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation.
 (3) Height "A" varies by diameter ØB. The value provided represents the tallest unit in each product family.
 (4) The diameters ØB (Outlet Size) represent the standard inside diameters. From these, the outlet tube can be adapted using reducing sleeves for a variety of smaller outlet choices. These sleeves are generally available from Ø 7" to Ø 2.5" in 1/4" or 1/2" steps.
 Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.



Occasionally check that no foreign material to block the air intake areas, or discharge of particles.

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 housing. 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 airstream. 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.**



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

DYNAMIC ENGINE AIR PRECLEANERS KC SERIES

*For Agriculture, Earthmoving Machinery,
Trucks and Stationary Applications.*

0,6 to 40,0 $\text{m}^3/\text{min.}$

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. Airflows range from 21 to 1411 CFM (0.6 to 40.0 $\text{m}^3/\text{min.}$).

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.



90%

EFFICIENCY

Removes up to 90% of impurities (dust, snow, rain, etc.) before they reach the air filter.



10x

AIR FILTER

Extends engine air filter life up to 10 times.



50%

LESS MAINTENANCE

Reduces downtime by up to 50%.



MORE SHELF LIFE

Prolongs engine and turbocharger life.



-10%

FUEL SAVINGS

Save up to 10% on fuel costs.



EASY TO INSTALL

Three plastic outlet reducing sleeves are included with each assembly.



VERSATILITY

Wide range of applications and flow rates.



DURABILITY

Steel housing with a powder-coated finish.



SELF-PROPELLED

Requires no electricity or connection to the exhaust gas stream to perform filtration.



SELF-CLEANING

They require virtually no maintenance.



AIR FLOW

High airflow with low additional restriction values.

PP

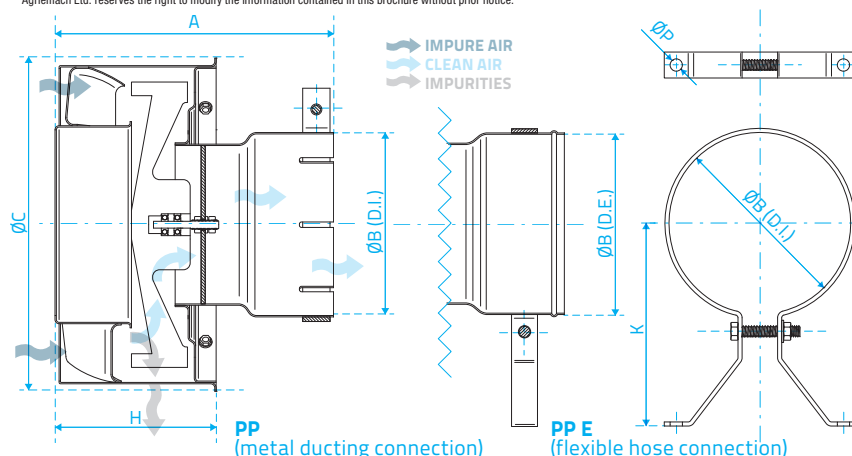
DUST BUSTER

MODEL	AIRFLOW RANGE m ³ /min (CFM)	HORSEPOWER RANGE HP (Kw)	WEIGHT Kg. (Lbs.)	Dimensions					
				A mm (") ⁽³⁾	H mm (")	ØB mm (") ⁽⁴⁾	ØC mm (")	K mm (")	ØP mm (")
PB 005	1.5 - 2.5 (53 - 88)	30 - 45 (22 - 33)	0.60 (1.30)	116 (4.57)	82 (3.22)	51; 57; 63 (2.0; 2.25; 2.5)	133 (5.25)	-	-
PB 005E	1.5 - 2.5 (53 - 88)	30 - 45 (22 - 33)	0.90 (2.00)	139 (5.47)	82 (3.22)	51; 57; 63 (2; 2.25; 2.5)	133 (5.25)	145 (5.71)	9 (0.35)
PB 006	1.5 - 4.0 (53 - 141)	30 - 60 (22 - 45)	0.80 (1.75)	116 (4.57)	85 (3.35)	63 (2.5)	143 (5.63)	-	-
PB 006E	1.5 - 4.0 (53 - 141)	30 - 60 (22 - 45)	1.10 (2.40)	142 (5.60)	85 (3.35)	63 (2.5)	143 (5.63)	145 (5.71)	9 (0.35)
PB 007	4.0 - 5.0 (141 - 176)	60 - 70 (45 - 52)	1.30 (2.86)	167 (6.57)	105 (4.13)	70; 76 (2.75; 3)	180 (7.08)	-	-
PB 007E	4.0 - 5.0 (141 - 176)	60 - 70 (45 - 52)	1.40 (3.08)	172 (6.77)	105 (4.13)	76 (3)	180 (7.08)	116 (4.57)	9 (0.35)
PP 021	5.0 - 8.0 (176 - 282)	70 - 100 (52 - 75)	1.60 (3.52)	154 (6.06)	109 (4.30)	102; 82 (4; 3.25)	200 (7.87)	-	-
PP 021E	5.0 - 8.0 (176 - 282)	70 - 100 (52 - 75)	1.85 (4.07)	164 (6.45)	109 (4.30)	82 (3.25)	200 (7.87)	130 (5.12)	9 (0.35)
PP 041	8.0 - 12.0 (282 - 423)	100 - 140 (75 - 104)	1.95 (4.30)	197 (7.75)	138 (5.43)	114; 102 (4.50; 4)	228 (8.97)	-	-
PP 041E	8.0 - 12.0 (282 - 423)	100 - 140 (75 - 104)	2.20 (4.85)	192 (7.55)	138 (5.43)	102 (4)	228 (8.97)	140 (5.51)	9 (0.35)
PP 061	12.0 - 18.0 (423 - 635)	140 - 200 (104 - 150)	2.25 (4.95)	200 (7.56)	122 (4.80)	152; 133; 102 (6; 5.25; 4)	245 (9.64)	-	-
PP 061E	12.0 - 18.0 (423 - 635)	140 - 200 (104 - 150)	2.60 (5.70)	200 (7.56)	122 (4.80)	133; 102 (5.25; 4)	245 (9.64)	160 (6.30)	9 (0.35)
PP 091	18.0 - 21.0 (635 - 741)	200 - 300 (149 - 224)	3.00 (6.60)	214 (8.42)	140 (5.51)	133; 114 (5.25; 4.5)	280 (11.02)	-	-
PP 091E	18.0 - 21.0 (635 - 741)	200 - 300 (149 - 224)	3.50 (7.71)	228 (8.98)	140 (5.51)	133 (5.25)	280 (11.02)	140 (5.51)	9 (0.35)
PP 131	21.0 - 28.0 (741 - 988)	300 - 350 (224 - 261)	3.30 (7.25)	225 (8.86)	156 (6.14)	178; 152; 133 (7; 6; 5.25)	331 (13.03)	-	-
PP 141	28.0 - 30.0 (988 - 1053)	350 - 400 (261 - 300)	3.80 (8.40)	270 (10.62)	180 (7.09)	210; 178 (8.27; 7)	362 (14.25)	-	-

(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation.

(3) Height "A" varies by diameter ØB. The value provided represents the tallest unit in each product family.

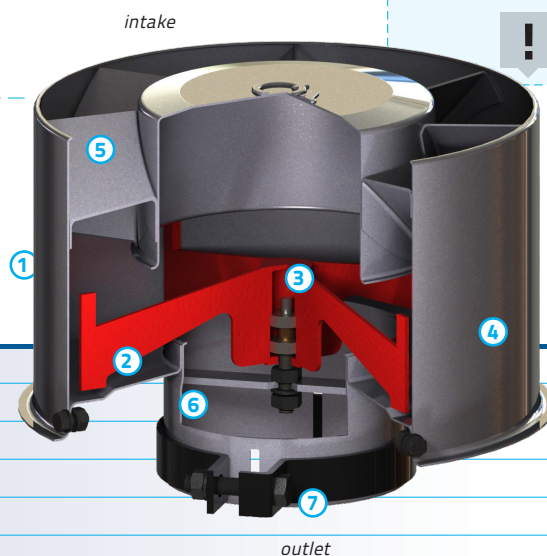
(4) The diameters ØB (Outlet Size) represent the standard inside diameters. From these, the outlet tube can be adapted using reducing sleeves for a variety of smaller outlet choices. These sleeves are generally available from Ø 7" to Ø 2.5" in 1/4" or 1/2" steps. Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.



Occasionally check that no foreign material to block the air intake areas, or discharge of particles.

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 airstream. 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.**



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

DYNAMIC ENGINE AIR PRECLEANERS

For Under Hood Applications

1,5 to 30,0 m³/min.

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. Airflows range from 53 to 1053 CFM (1.5 to 30.0 m³/min).

APPLICATIONS

DustBuster Under Hood Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of a 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; earthmoving, construction and mining equipment; stationary engines; generator sets; snow removal equipment and street sweepers.



90% EFFICIENCY Remove up to 90 % of impurities from intake air before the air enters the filter elements.	10x AIR FILTER Extend engine air filter life up to 10 times.	50% LESS MAINTENANCE Reduce down time by up to 50%.	HIGHER SHELF LIFE Prolong engine and turbocharger life.	-10% FUEL SAVINGS Save up to 10% on fuel costs.	EASY TO INSTALL Each unit can provide up to three plastic adapters for air intake	VERSATILITY Wide range of applications and flow rates.
DURABILITY Steel housing, powder coat.	SELF-POWERED Requiring no electrical or exhaust gas power to dispose of separated particles.	SELF-CLEANING They require virtually no maintenance.	INSIDE No exterior vehicle modification for intake air.		AIR FLOW High air flow, low differential design.	

Apps Gallery

**DUST
BUSTER**

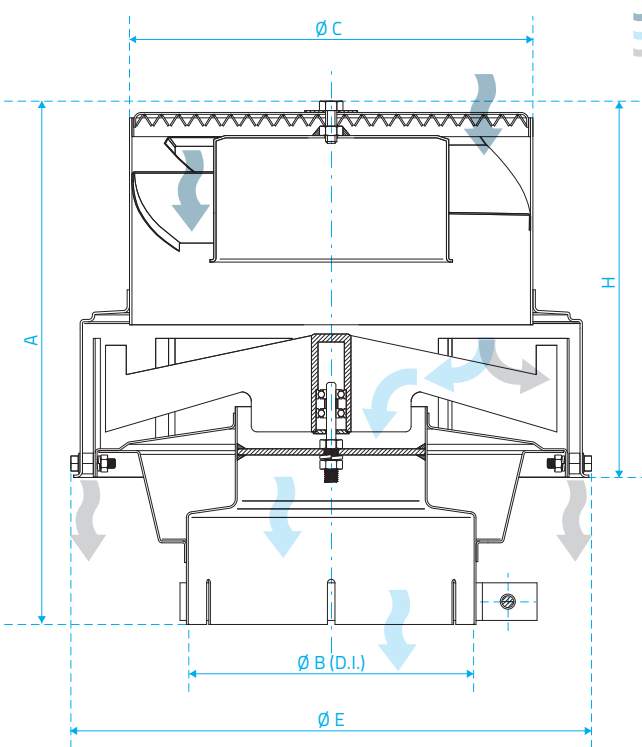


Bullnose

DUST BUSTER

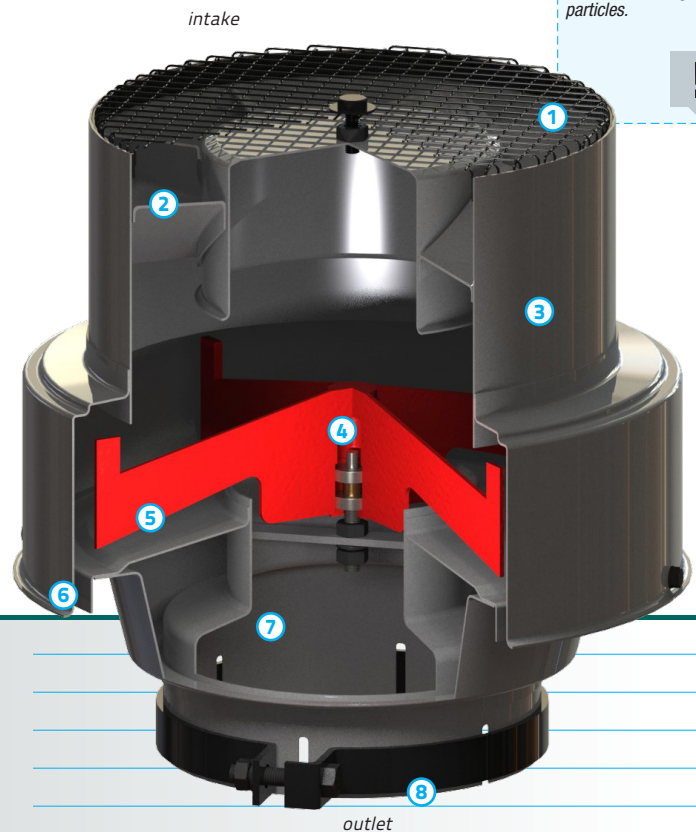
MODEL	AIRFLOW RANGE m ³ /min (CFM)	(2) HORSEPOWER RANGE HP (Kw)	(1) WEIGHT Kg. (Lbs.)	Dimensions				
				A mm (")	H mm (")	ØC mm (")	ØE mm (")	ØB Outlet Size. mm (")
MO 404	3.5 - 7.0 (124 - 247)	60 - 120 (45 - 90)	1.70 (3.75)	235 (9.25)	153 (6.02)	153 (6.02)	199 (7.83)	102; 82; 76; 70 (4; 3.25; 3; 2.75)
MO 808	7.0 - 11.0 (247 - 388)	120 - 160 (90 - 120)	2.25 (5.00)	240 (9.45)	167 (6.57)	181 (7.13)	243 (9.57)	133; 114; 110; 102; 82 (5.25; 4.5; 4.33; 4; 3.25)
MO 909	11.0 - 15.0 (388 - 530)	160 - 220 (120 - 165)	3.30 (7.30)	272 (10.71)	194 (7.64)	214 (8.43)	276 (10.87)	152; 133; 127; 114; 102 (6; 5.25; 5; 4.5; 4)
GR 103	15.0 - 22.0 (530 - 776)	220 - 300 (165 - 225)	4.15 (9.15)	315 (12.40)	237 (9.33)	255 (10.04)	311 (12.24)	280; 178; 152; 133; 114; 102 (11; 7; 6; 5.25; 4.5; 4)
GR 403	22.0 - 30.0 (776 - 1059)	300 - 400 (225 - 300)	5.35 (11.80)	345 (13.58)	259 (10.20)	310 (12.20)	370 (14.57)	280; 203; 178; 152 (11; 8; 7; 6)
GR 505	30.0 - 40.0 (1059 - 1411)	400 - 550 (298 - 410)	7.50 (16.50)	358 (14.09)	275 (10.83)	375 (14.76)	437 (17.20)	330; 254; 210; 203; 178 (13; 10; 8.26; 8; 7)

(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation.
 (3) Height "A" varies by diameter ØB. The value provided represents the tallest unit in each product family.
 (4) The diameters ØB (Outlet Size) represent the standard inside diameters. From these, the outlet tube can be adapted using reducing sleeves for a variety of smaller outlet choices. These sleeves are generally available from 7" to 2.5" in 1/4" or 1/2" steps.
 Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.



→ IMPURE AIR
→ CLEAN AIR
→ IMPURITIES

Occasionally check that no foreign material to block the air intake areas, or discharge of particles.



HOW THEY WORK

DustBuster Engine Air Precleaners can be installed in interior or exterior applications. If the application is exterior, there must be horizontal mounting to avoid rain intrusion. 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 airstream. The swirling air drives a high-velocity rotor that acts as a blower, evacuating contaminants through special discharge ports.

1. Screen (air intake)
2. Static Vanes
3. Hosing
4. Two Ball Bearings
5. Rotor (spinner)
6. Discharge Ports
7. Outlet Pipe (to air cleaner)
8. Clamp

DYNAMIC ENGINE AIR PRECLEANERS COMPACT SERIES.

Interior / exterior applications

3,5 to 40,0 $\text{m}^3/\text{min.}$

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 electro-welded 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. Airflows range from 124 to 1411 CFM (3.5 to 40.0 m³/min).

APPLICATIONS

DustBuster Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of a gasoline, diesel or compressed natural gas engine air cleaner. Their applications include trucks, buses, industrial equipment, agricultural machinery; earthmoving, construction and mining equipment; pumping plants; generator sets; material handling equipment; snow removal equipment and street sweepers, etc.



 **90%**

EFFICIENCY

Removes up to 90% of impurities (dust, snow, rain, etc.) before they reach the air filter.

 **10x**

AIR FILTER

Extend engine air filter life up to 10 times.

 **50%**

LESS MAINTENANCE

Reduce down time by up to 50%.



MORE SHELF LIFE

Prolong engine and turbocharger life.

 **-10%**

FUEL SAVINGS

Save up to 10 % on fuel costs.



EASY TO INSTALL

Three plastic outlet reduction sleeves are provided with each assembly.



VERSATILITY

Wide range of applications and flow rates.



DURABILITY
Steel housing,
powder coat.



SELF-PROPELLED
No required electricity
or connection to the
exhaust gas power to
perform the filtering.



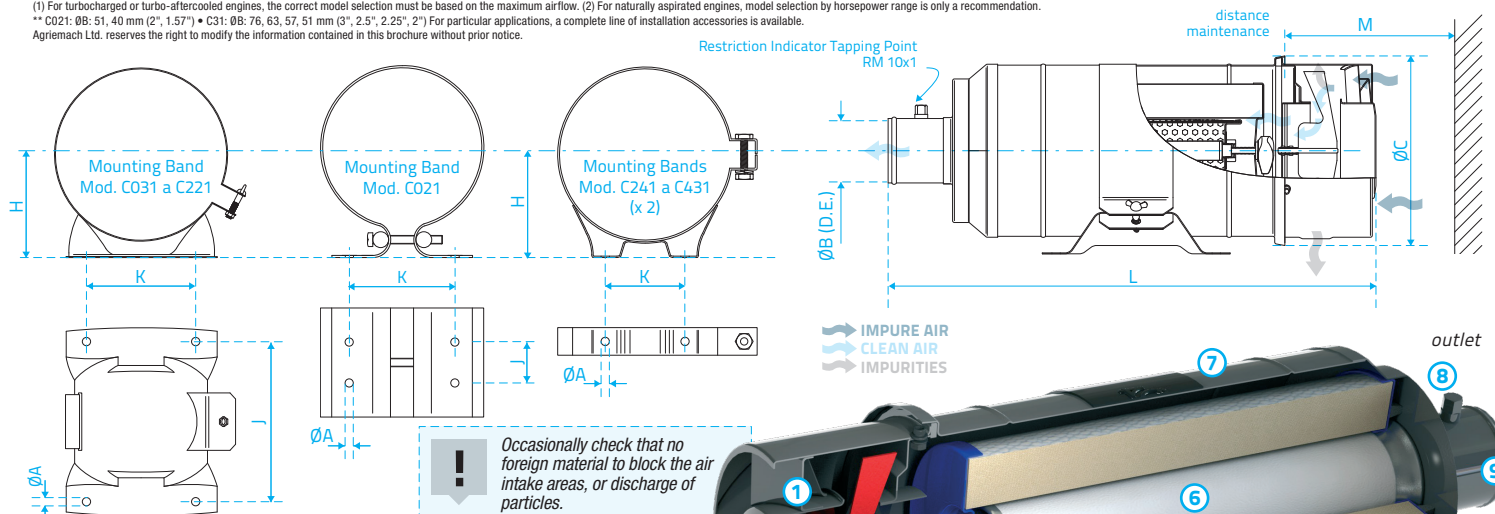
SELF-CLEANING
They require virtually
no maintenance.



AIR FLOW
Large airflow, low
values of additional
restriction.

MOD.	AIRFLOW RANGE m ³ /min (CFM) ⁽¹⁾	HORSEPOWER RANGE HP (Kw) ⁽²⁾	WEIGHT Kg. (Lbs.)	Dimensions							
				L mm (")	H mm (")	J mm (")	K mm (")	ØA mm (")	ØB mm (")	ØC mm (")	M mm (")
C 021	0,5 - 2,0 (18 - 71)	10 - 50 (8 - 38)	1,90 (4,19)	335 (13.19)	90 (3.54)	45 (1.77)	100 (3.94)	9 (0.35)	40 (1.57)**	156 (6.14)	152 (6)
C 031	1,0 - 3,5 (35 - 124)	20 - 70 (15 - 52)	3,50 (7,70)	406 (15.98)	85 (3.34)	175 (6.89)	120 (4.72)	9 (0.35)	63 (2.5)**	168 (6.61)	200 (7.87)
C 051	1,5 - 3,5 (53 - 124)	30 - 70 (22 - 52)	3,90 (8,60)	413 (16.25)	95 (3.74)	175 (6.89)	120 (4.72)	9 (0.35)	63 (2.5)	188 (7.40)	200 (7.87)
C 071	3,5 - 4,5 (124 - 159)	50 - 70 (37 - 52)	4,70 (10,35)	487 (19.17)	95 (3.74)	175 (6.89)	120 (4.72)	9 (0.35)	63 (2.5)	188 (7.40)	280 (11.02)
C 081	4,5 - 6,0 (159 - 212)	70 - 80 (52 - 60)	5,75 (12,70)	520 (20,47)	108 (4.25)	175 (6.89)	120 (4.72)	9 (0.35)	70 (2.75)	204 (8.03)	315 (12.40)
C 101	5,0 - 7,0 (176 - 247)	75 - 100 (56 - 75)	6,50 (14,30)	430 (16,93)	140 (5.51)	255 (10.04)	161 (6.34)	9 (0.35)	76 (3)	254 (10)	230 (9.06)
C 121	6,0 - 8,0 (212 - 282)	80 - 110 (60 - 82)	7,50 (16,50)	597 (23.50)	125 (4.92)	255 (10.04)	161 (6.34)	9 (0.35)	76 (3)	232 (9.13)	325 (12.80)
C 181	8,0 - 12,0 (282 - 423)	110 - 150 (82 - 112)	9,20 (20,30)	616 (24,25)	140 (5.51)	255 (10.04)	161 (6.34)	9 (0.35)	102 (4)	252 (9.92)	360 (14.17)
C 221	12,0 - 15,0 (423 - 529)	150 - 180 (112 - 135)	11,00 (24,20)	647 (25,47)	152 (6)	255 (10.04)	161 (6.34)	9 (0.35)	102 (4)	288 (11.34)	385 (15.16)
C 241	15,0 - 18,0 (529 - 635)	180 - 215 (135 - 160)	13,50 (29,70)	710 (27,95)	152 (6)	-	140 (5.51)	10 (0.39)	102 (4)	310 (12.20)	440 (17.32)
C 251	18,0 - 20,0 (635 - 706)	215 - 240 (160 - 179)	13,60 (30,00)	714 (28,11)	206 (8.11)	-	140 (5.51)	10 (0.39)	133 (5.25)	337 (13.27)	420 (16.54)
C 261	20,0 - 21,0 (706 - 741)	200 - 260 (149 - 194)	14,50 (31,90)	780 (30,71)	206 (8.11)	-	140 (5.51)	10 (0.39)	130 (5.12)	337 (13.27)	500 (19.68)
C 311	21,0 - 28,0 (741 - 988)	260 - 320 (194 - 239)	16,70 (36,80)	785 (30,90)	205 (8.07)	-	205 (8.07)	10 (0.39)	152(6)	365 (14.37)	490 (19.29)
C 351	28,0 - 35,0 (988 - 1235)	320 - 380 (239 - 283)	21,00 (46,25)	800 (31,50)	233 (9.17)	-	200 (7.87)	10 (0.39)	152(6)	420 (16.53)	485 (19.09)
C 431	35,0 - 43,0 (1235 - 1517)	380 - 450 (283 - 335)	29,00 (63,90)	971 (38,23)	251 (9.88)	-	200 (7.87)	10 (0.39)	152(6)	478 (18.82)	625 (24.61)

(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation.
 ** C021: ØB: 51, 40 mm (2", 1.57") • C31: ØB: 76, 63, 57, 51 mm (3", 2.5", 2.25", 2") For particular applications, a complete line of installation accessories is available.
 Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.

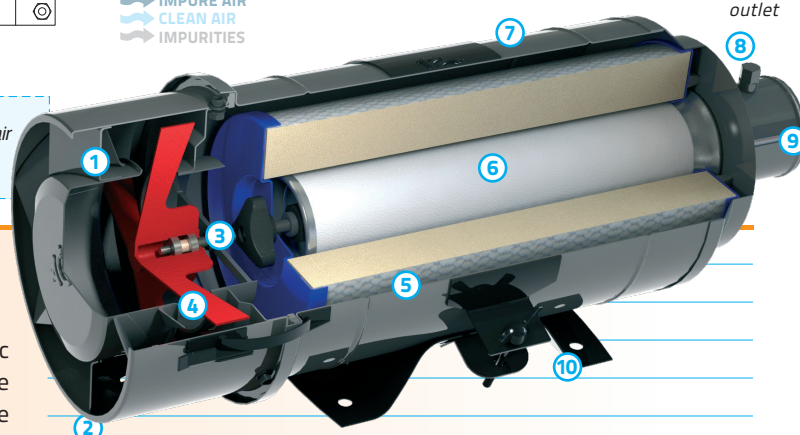


These housings include filter elements (see page 16)

HOW THEY WORK

In the first stage, air enters the precleaner portion through static vanes, causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain, and snow from the airstream. The swirling air drives a high-velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the assembly. Only purified air flows to the air filter elements (primary and safety filtration stages). These elements retain 99.9% of the contaminants that were not eliminated in the first stage. Then, clean air flows to the engine through the outlet pipe.

intake



- | | |
|----------------------------------|--|
| 1. Static Vanes | 6. Safety Element |
| 2. Discharge Ports (at the back) | 7. Housing |
| 3. Two Ball Bearings | 8. Restriction Indicator Tapping Point |
| 4. Rotor (spinner) | 9. Outlet Pipe (to the engine) |
| 5. Primary Element | 10. Retractable mounting band |

HOUSINGS FOR DRY FILTER ELEMENTS COMBINED SYSTEM WITH DYNAMIC PRECLEANER

For Agricultural and Earthmoving Machinery

Industrial Applications and On-Highway Under Hood Applications

0,5 to 43,0 $\text{m}^3/\text{min.}$

This range combines the security of a primary and safety element with an efficient, dynamic precleaner available in one compact, single-connection package. DustBuster Combination Precleaner / Air Filters have a steel housing with static vanes and a corrosion-proof rotor mounted on dual ball bearings over double-welded plate steel. The adjustable mounting band makes installation flexible. DustBuster Combination Precleaner / Air Filters are powder coated for a durable, corrosion-resistant finish. Airflows range from 18 to 1517 CFM (0.5 to 43.0 $\text{m}^3/\text{min.}$).

APPLICATIONS

DustBuster Combination Dynamic Precleaner / Air Filters are specifically designed to be connected to the air intake of gasoline, diesel or compressed natural gas engines. The advantages of the systems include their compact size and ease of installation. The three-stage air filtration systems are designed with only one connection to the engine. Their applications include agricultural machinery; earthmoving, construction and mining equipment; stationary engines; generator sets; trucks; pick-ups; off-road vehicles; material handling equipment; snow removal equipment and street sweepers.



90%

EFFICIENCY

Removes up to 90% of impurities (dust, snow, rain, etc.) before they reach the air filter.



10x

AIR FILTER

Extends engine air filter life up to 10 times



50%

LESS MAINTENANCE

Reduces downtime by up to 50%



MORE SHELF LIFE

Prolongs engine and turbocharger life.



-10%

FUEL SAVINGS

Save up to 10% on fuel costs.



EASY TO INSTALL

Easy to install and compact size.



VERSATILITY

Wide range of applications and flow rates.



DURABILITY

Steel housing with a powder-coated finish.



SELF-PROPELLED & SELF-CLEANING

Operates without electricity or exhaust connections.



FILTER ELEMENTS

Primary and safety filter elements compatible with most standard models.



RESTRICTION INDICATOR

Features a standard connection port for a restriction sensor.



DIRECT TO ENGINE

These air filtration systems in three stages are designed with a single motor connection.



AIR FLOW

High airflow with low additional restriction values.



ANCHORING SYSTEM

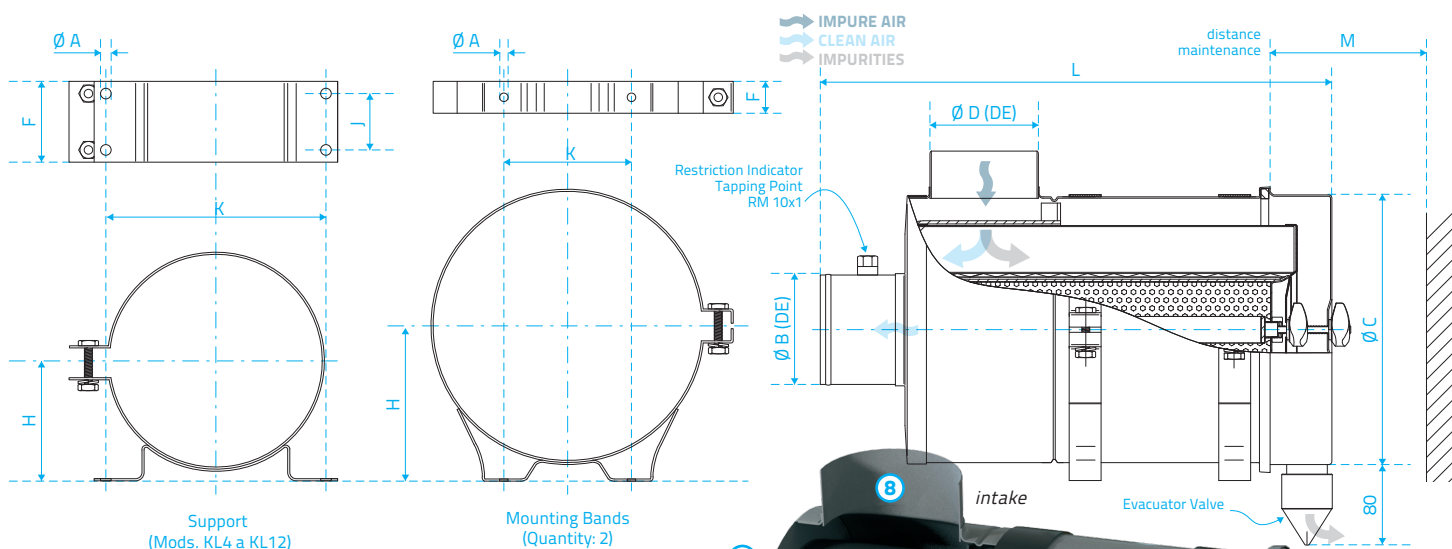
They have a retractable anchor system that simplifies maintenance.

KL

DUST
BUSTER

MOD.	AIRFLOW RANGE m ³ /min (CFM) ⁽¹⁾	HORSEPOWER RANGE HP (Kw) ⁽²⁾	WEIGHT Kg. (Lbs.)	Dimensions									
				L mm (")	K mm (")	J mm (")	F mm (")	H mm (")	ØA mm (")	ØC mm (")	ØB mm (")	ØD mm (")	M mm (")
KL 4	1.5 - 4.5 (53 - 159)	30 - 80 (22 - 60)	3.80 (8.40)	390 (15.35)	200 (7.87)	53 (2.08)	76 (3)	100 (3.93)	10 (0.39)	167 (6.57)	63 (2.50)	63 (2.50)	305 (12)
KL 6	4.5 - 6.0 (159 - 212)	80 - 90 (60 - 67)	4.90 (10.79)	430 (16.92)	200 (7.87)	53 (2.08)	76 (3)	120 (4.72)	10 (0.39)	198 (7.80)	70 (2.75)	76 (3)	315 (12.40)
KL 8	6.0 - 8.0 (212 - 282)	90 - 120 (67 - 90)	5.30 (11.70)	440 (17.32)	200 (7.87)	53 (2.08)	76 (3)	130 (5.11)	10 (0.39)	216 (8.50)	76 (3)	76 (3)	335 (13.19)
KL 12	8.0 - 12.0 (282 - 423)	120 - 160 (90 - 120)	7.50 (16.50)	478 (18.82)	200 (7.87)	53 (2.08)	76 (3)	150 (5.90)	10 (0.39)	253 (9.96)	102 (4)	102 (4)	380 (14.96)
KL 15	12.0 - 15.0 (423 - 529)	160 - 180 (120 - 134)	9.95 (21.92)	485 (19.09)	140 (5.51)	-	35 (1.38)	146 (5.75)	10 (0.39)	267 (10.51)	102 (4)	102 (4)	390 (15.35)
KL 18	15.0 - 18.0 (529 - 635)	180 - 210 (134 - 157)	12.50 (27.55)	550 (21.65)	140 (5.51)	-	35 (1.38)	161 (6.34)	10 (0.39)	290 (11.42)	102 (4)	114 (4.5)	440 (17.32)
KL 20	18.0 - 20.0 (635 - 706)	210 - 250 (157 - 187)	14.10 (31.06)	528 (20.79)	140 (5.51)	-	35 (1.38)	175 (6.89)	10 (0.39)	319 (12.56)	133 (5.25)	133 (5.25)	390 (15.35)
KL 21	20.0 - 21.0 (706 - 741)	240 - 280 (179 - 209)	15.40 (33.90)	605 (23.81)	140 (5.51)	-	35 (1.38)	175 (6.89)	10 (0.39)	319 (12.56)	130 (5.12)	133 (5.25)	465 (18.31)
KL 28	21.0 - 28.0 (741 - 988)	280 - 320 (209 - 239)	18.15 (40.00)	595 (23.42)	200 (7.87)	-	35 (1.38)	230 (9.05)	10 (0.39)	408 (16.06)	152 (6)	152 (6)	450 (17.72)
KL 35	28.0 - 35.0 (988 - 1235)	320 - 380 (239 - 283)	21.00 (46.25)	631 (24.84)	200 (7.87)	-	35 (1.38)	258 (10.16)	10 (0.39)	442 (17.40)	152 (6)	152 (6)	465 (18.31)
KL 43	35.0 - 43.0 (1235 - 1517)	380 - 450 (283 - 335)	35.70 (78.65)	728 (28.66)	180 (7.09)	-	76 (3)	270 (10.62)	10 (0.39)	460 (18.11)	152 (6)	152 (6)	640 (25.20)

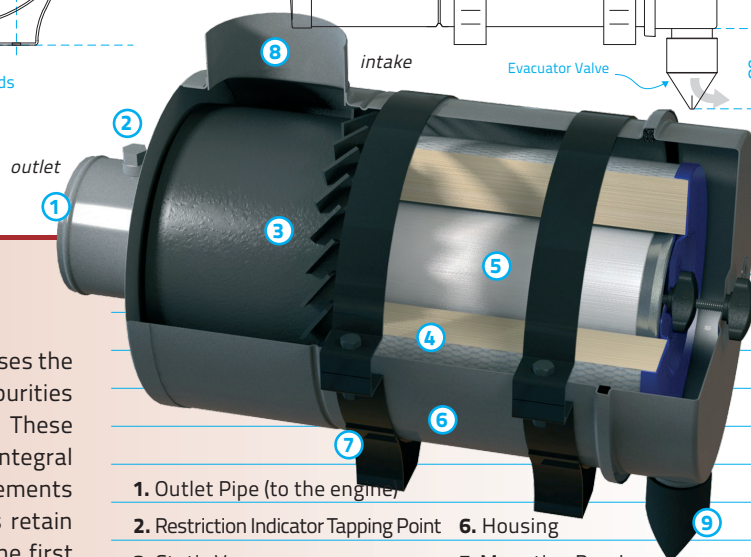
(1) For turbocharged or turbo-aftercooled engines, the correct model selection must be based on the maximum airflow. (2) For naturally aspirated engines, model selection by horsepower range is only a recommendation. For particular applications, a complete line of installation accessories is available. Agriemach Ltd. reserves the right to modify the information contained in this brochure without prior notice.



These housings include filter elements (see page 16)

HOW THEY WORK

Air flows through static vanes (plastic or metal), which causes the air to spin. Centrifugal force separates the heaviest impurities (dust, dirt, insects, and other debris) from the airstream. These contaminants are discharged automatically through an integral evacuator valve. Only purified air flows to the air filter elements (primary and safety stages of filtration). These elements retain 99.9% of the contaminants that were not eliminated in the first stage. Then, clean air flows to the engine through the outlet pipe.



1. Outlet Pipe (to the engine)
2. Restriction Indicator Tapping Point
3. Static Vanes
4. Primary Element
5. Safety Element
6. Housing
7. Mounting Band
8. Air Intake
9. Evacuator Valve

HOUSINGS FOR DRY FILTER ELEMENTS STATIC VANES SYSTEM

*For On-Highway, Off-Highway
and Stationary Applications.*

1,5 to 43,0 $\text{m}^3/\text{min.}$

These Air Filters have a steel housing with a static vane first stage. Primary and safety filter elements are standard. This range is a three-stage air cleaner system with universal mounting bands. The standard tube style inlet is suitable for use with a DustBuster Air Precleaner.

DustBuster Air Filters are powder coated for a durable, corrosion-resistant finish. Airflows range from 53 to 1517 CFM (1.5 to 43.0 $\text{m}^3/\text{min.}$).

APPLICATIONS

These Air Filters are designed to be connected to the air intake of a gasoline, diesel or compressed natural gas engine. Their applications include agricultural machinery; earthmoving equipment; stationary engines; generator sets; trucks; buses and recreational vehicles; material handling equipment; snow removal equipment and street sweepers.



STATIC VANES

Removes larger contaminants from the air before it enters the air filter elements.



LESS MAINTENANCE

Less maintenance than a housing without an internal standard cyclone.



MORE SHELF LIFE

Prolongs engine and turbocharger life.



EASY TO INSTALL

Easy to install and compact size.



VERSATILITY

Wide range of applications and flow rates.



DURABILITY

Steel housing with a powder-coated finish.



FILTER ELEMENTS

Primary and safety filter elements compatible with most standard models.



RESTRICTION INDICATOR

Features a standard connection port for a restriction sensor.



DIRECT TO ENGINE

These air filtration systems in three stages are designed with a single motor connection.



AIR FLOW

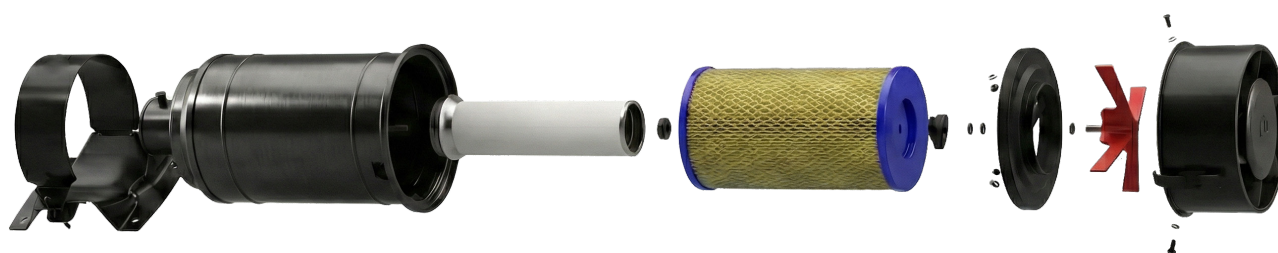
High airflow with low additional restriction values.

Air filter elements

**DUST
BUSTER**

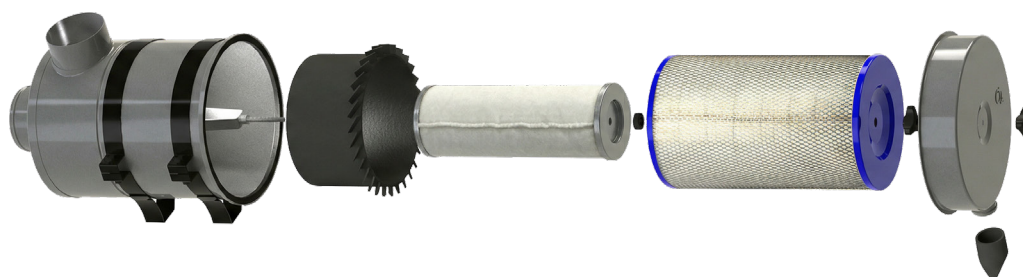
AIR FILTER ELEMENTS FOR HOUSINGS COMBINED SYSTEM (C)

HOUSING MODEL	C 021	C 031	C 051	C 071	C 081	C 101	C 121	C 181	C 221	C 241	C 251	C 261	C 311	C 351	C 431
Primary Filter	E021/E028	EP 504	EP 504	EP 070	EP 080	EP 100	EP 120	EP 180	EP 220	EP 240	EP 250	EP 260	EP 310P	EP 350	EP 430
Safety Filter	-	ES 504	ES 504	ES 070	ES 080	ES 100	ES 120	ES 180	ES 220	ES 240	ES 250	ES 260	ES 310P	ES 350	ES 430



AIR FILTER ELEMENTS FOR HOUSINGS STATIC VANES SYSTEM (KL)

HOUSING MODEL	KL 4	KL 6	KL 8	KL 12	KL 15	KL 18	KL 20	KL 21	KL 28	KL 35	KL 43
Primary Filter	EP 070	EP 080	EP 120	EP 180	EP 220	EP 240	EP 250	EP 260	EP 310/P	EP 350	EP 430
Safety Filter	ES 070	ES 080	ES 120	ES 180	ES 220	ES 240	ES 250	ES 260	ES 310/P	ES 350	ES 430



Rubber elbows, metal pipe extensions, and adapters for air filtration systems.

ACCESSORIES

**DUST
BUSTER**

1 - Metal Pipe Extensions

Model	Ø A mm (")	Ø B mm (")	H mm (")
P76 2.5	76 (3)	76 (3)	250 (9.84)
P76 3	76 (3)	76 (3)	300 (11.81)
P76 6	76 (3)	76 (3)	600 (23.62)
P76 9	76 (3)	76 (3)	900 (35.43)
P82 1.5	82 (3.25)	82 (3.25)	150 (5.90)
P102 1.5	102 (4)	102 (4)	150 (5.90)
P102 3	102 (4)	102 (4)	300 (11.81)
P102 4.5	102 (4)	102 (4)	450 (17.72)
P102 6	102 (4)	102 (4)	600 (23.62)
P102 9	102 (4)	102 (4)	900 (35.43)
P110 1.5	110 (4.33)	110 (4.33)	150 (5.90)
P110 3	110 (4.33)	110 (4.33)	300 (11.81)
P110 6	110 (4.33)	110 (4.33)	600 (23.62)
P114 3	114 (4.5)	114 (4.5)	300 (11.81)
P114 6	114 (4.5)	114 (4.5)	600 (23.62)
P133 3	133 (5.25)	133 (5.25)	300 (11.81)
P133 4.5	133 (5.25)	133 (5.25)	450 (17.72)
P133 6	133 (5.25)	133 (5.25)	600 (23.62)
P152 1.5	152 (6)	152 (6)	150 (5.90)
P152 3	152 (6)	152 (6)	300 (11.81)
P152 6	152 (6)	152 (6)	600 (23.62)
P152 8	152 (6)	152 (6)	800 (31.50)

2 - Metal pipe adapters

Model	Ø A mm (")	Ø B mm (")	H mm (")
R 152 133	133 (5.25)	152 (6)	120 (4.72)
R 165 133	133 (5.25)	165 (6.5)	120 (4.72)
R 165 152	152 (6)	165 (6.5)	120 (4.72)
R 178 152	152 (6)	178 (7)	120 (4.72)
R 203 152	152 (6)	203 (8)	120 (4.72)
R 229 152	152 (6)	229 (9)	120 (4.72)
R 254 152	152 (6)	254 (10)	120 (4.72)
R 279 152	152 (6)	279 (11)	120 (4.72)
R 229 178	178 (7)	229 (9)	120 (4.72)
R 254 178	178 (7)	254 (10)	120 (4.72)
R 279 178	178 (7)	279 (11)	120 (4.72)
R 305 178	178 (7)	305 (12)	120 (4.72)

3 - Rubber adapters

Model	Ø A mm (")	Ø B mm (")	H mm (")
RG 38 25	38 (1.50)	25 (1)	103 (4.06)
RG 51 38	51 (2)	38 (1.50)	99 (3.90)
RG 57 51	57 (2.25)	51 (2)	106 (4.17)
RG 63 51	63 (2.5)	51 (2)	106 (4.17)
RG 70 57	70 (2.75)	57 (2.25)	122 (4.80)
RG 70 63	70 (2.75)	63 (2.5)	122 (4.80)
RG 76 57	76 (3)	57 (2.25)	122 (4.80)
RG 76 63	76 (3)	63 (2.5)	122 (4.80)
RG 89 76	89 (3.5)	76 (3)	110 (4.33)
RG 102 70	102 (4)	70 (2.75)	130 (5.12)
RG 102 76	102 (4)	76 (3)	130 (5.12)
RG 127 102	127 (5)	102 (4)	140 (5.51)
RG 130 95	130 (5.12)	95 (3.75)	140 (5.51)
RG 130 102	130 (5.12)	102 (4)	140 (5.51)

4 - Rubber elbows at 90°

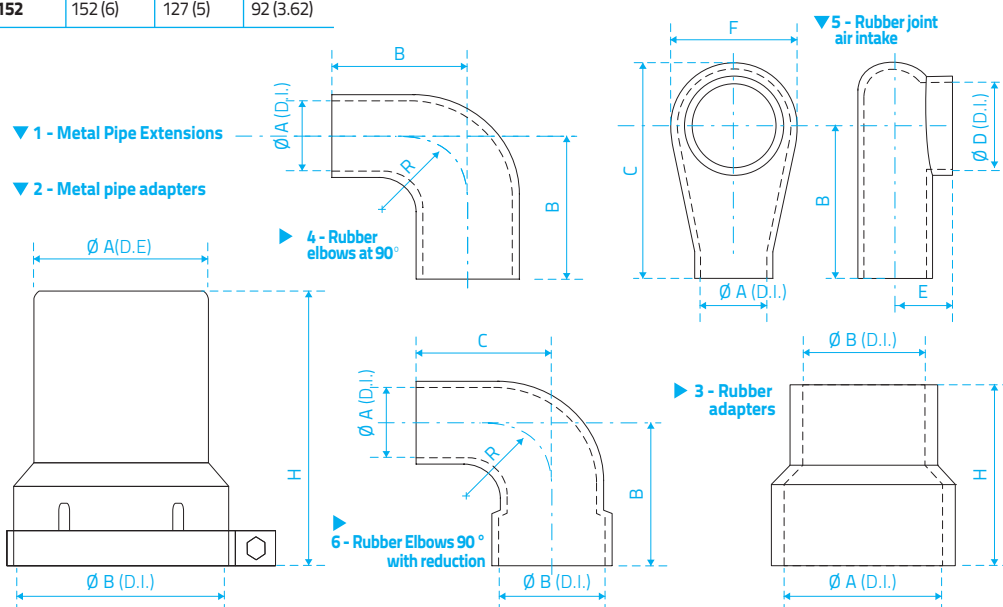
Model	Ø A mm (")	B mm (")	R mm (")
CG 57	57 (2.25)	80 (3.15)	45 (1.77)
CG 63	63 (2.5)	85 (3.35)	51 (2)
CG 70	70 (2.75)	85 (3.35)	57 (2.25)
CG 76	76 (3)	92 (3.62)	57 (2.25)
CG 102	102 (4)	97 (3.82)	67 (2.64)
CG 130	130 (5.12)	118 (4.65)	83 (3.27)
CG 133	133 (5.25)	118 (4.65)	83 (3.27)
CG152	152 (6)	127 (5)	92 (3.62)

5 - Rubber joint air intake

Model	Ø A mm (")	Ø D mm (")	C mm (")	B mm (")	E mm (")	F mm (")
CGS 63 51	51 (2)	63 (2.5)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 63 57	57 (2.25)	63 (2.5)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 70 57	57 (2.25)	70 (2.75)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 70 63	63 (2.5)	70 (2.75)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 76 57	57 (2.25)	76 (3)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 76 63	63 (2.5)	76 (3)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 76 70	70 (2.75)	76 (3)	168 (6.61)	109 (4.29)	58 (2.28)	116 (4.57)
CGS 102 70	70 (2.75)	102 (4)	177 (6.96)	112 (4.42)	63 (2.50)	122 (4.80)
CGS 102 76	76 (3)	102 (4)	177 (6.96)	112 (4.42)	63 (2.50)	122 (4.80)
CGS 130 89	89 (3.50)	130 (5.12)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)
CGS 130 95	95 (3.75)	130 (5.12)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)
CGS 130 102	102 (4)	130 (5.12)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)
CGS 133 89	89 (3.50)	133 (5.25)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)
CGS 133 95	95 (3.75)	133 (5.25)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)
CGS 133 102	102 (4)	133 (5.25)	234 (9.21)	145 (5.70)	80 (3.16)	167 (6.57)

6 - Rubber Elbows 90° with reduction

Model	Ø A mm (")	Ø D mm (")	R mm (")	B mm (")	C mm (")
CG 102 70	70 (2.75)	102 (4)	57 (2.25)	108 (4.25)	95 (3.74)
CG 102 76	76 (3)	102 (4)	57 (2.25)	108 (4.25)	95 (3.74)
CG 102 82	82 (3.25)	102 (4)	57 (2.25)	108 (4.25)	95 (3.74)
CG 130 102	102 (4)	130 (5.12)	67 (2.64)	117 (4.61)	105 (4.13)
CG 133 102	102 (4)	133 (5.25)	67 (2.64)	117 (4.61)	105 (4.13)
CG 152 133	133 (5.25)	152 (6)	83 (3.27)	131 (5.16)	127 (5)





v10.14

www.agriemach.com

Head Office:

Unit 16 Horsted Square, Bellbrook Industrial Estate,
Uckfield, East Sussex, TN22 1QG
Telephone: 01342 713743
Email: info@agriemach.com

AGRIEMACHLTD



0026

