



Mobile Dust Extractors

As a true professional, you place high requirements on your equipment. Dustcontrol have been involved with air cleaning for more than 40 years, and we supply dust extractors and air cleaners for all types of jobs. No matter what you choose, you can be sure of getting a truly professional machine that is built with your work and your health in mind.



Dust Extractor selection advice

1 Capacity/Weight

Check the capacity of the unit in relation to its weight and portability. The motor power does not determine capacity, but rather airflow and vacuum generation ($\text{cfm}/\text{m}^3/\text{h} \times \text{inwg}/\text{kPa}$) available to the operator (normally at 40–80 inwg/10–20 kPa). (The lower the unit weight for comparable capacity, the easier the unit will be to move and use.)

2 Material Handling

Dust, bulky materials, chips and strips can be collected and transported with vacuum. When the material volume is large, efficient handling saves time and money. Ergonomic handling of the unit and the collected material is also important. The system design should minimise the possibility of dust contamination during collection bag and filter changes. The dust collected in the system should be contained during these activities.

3 Sound Level

Even in environments where the sound level is not considered harmful, remember that each additional source increases the overall level. Compare the sound level rating of the unit with measurements from the subject environment. To have a zero net gain, the sound level of the unit should be at least 5 dB(A) below the ambient level.

4 Filtration

Choose the filtration system so the unit does not lose capacity after some minutes of use. Dustcontrol dust extractors separate the dust in three inter-related steps:

1. Separation of coarse material in the cyclone

– A good quality cyclone has the right characteristics relative to the capacity of the vacuum producer. Generally, the longer the cyclone, the better.

2. Fine filtration – The fine filter protects the HEPA filter and has a lower replacement cost. To extend the life of the HEPA filter, Dustcontrol recommends that you replace the fine filter frequently. A conical pleated filter cartridge achieves the highest air to cloth ratio of any filter design on the market. The machine should also have a filter condition indicator and an effective filter cleaning system. For some applications, you may require a PTFE-coated fine filter.

3. HEPA filtration – Do not compromise your health, very close to 100 % filter efficiency is achievable. When the air is exhausted back into the working environment, a HEPA H13 filter is highly recommended. If elimination of hazardous dust is the target, then why release respirable dust back into the working environment?

5 Suction Casings

Dustcontrol developed the source extraction concept 40 years ago! Source extraction is the most effective method for maintaining a clean working environment. A Dustcontrol suction casing captures dust or fume directly at the point of generation. Practically all popular hand power tools can be equipped with a suction casing. Recently, some machine manufacturers have integrated their own suction casings.

With Dustcontrol's connecting sleeves, part nos. 2109 (1"/25mm), 2132 (1.25"/32mm) or 2114 (1.5"/38mm), they can connect to Dustcontrol dust extractors. Enjoy dust-free operation of your hand held tools by upgrading to a Dustcontrol dust extractor.

6 Applications

Concrete Dust

Tough applications, such as concrete grinding, demand a lot from a dust extractor and filter. Since there are high volumes of very fine particulate, you may need a PTFE filter. A pre-separator is also recommended for large floor grinding machines. The DC 3900 Twin and the DC 5900 with PTFE filters are the most suitable dust extractors for this type of work.

Fluids

All Dustcontrol's dust extractors can be used for vacuuming non-flammable liquids in small quantities. However, Dustcontrol also offers a dedicated liquid extractor for larger quantities such as concrete coring.

Metal Chip/Swarf

A steel container is preferred when vacuuming sharp items such as metal chips. All dust extractors can be ordered with a steel container.

Hazardous Materials

Special precautions must be taken when dealing with hazardous materials such as silica dust and PCB (health hazardous chemicals). First, a machine with at least a HEPA H13 filter is a must. Second, suction casings are needed for your tools to avoid hazardous dust becoming airborne. Third, an additional air-cleaner is required to clean the air in your working environment. Finally, protect yourself with mask, eye-wear, and protective clothing.

Potentially Explosive Environments – ATEX

Not only liquids and gases can be explosive. Also very fine dust particles mixed with air can be explosive. A tiny spark from a static discharge or a mechanical spark can set off an explosion inside a dust extractor. European Standard Directive 2014/34/EU stipulates certain arrangements, configurations and measures for design of a dust extraction or vacuum cleaning system intended for use with an explosive dust. Dustcontrol can design your system for compliance and foremost, safe operation with respect to these engineering guidelines.

7 The Right Size

Two things determine the most suitable dust extractor required for a given application:

First, the size of the suction casing/nozzle, combined with the type of operation, determines the required airflow. In turn this influences the choice of a suitable dust extractor, taking into account the filter area and the dimension of the inlet.

Second, the longer the hose and tubing-runs, the greater the pressure drop in the system will be. Greater pressure generation is required from the dust extractor when handling large quantities of material (heavy cleaning, suction lance etc.)

Classification of Dust Extractors and HEPA Filters

Dust extractors are used to improve the working environment, and to reduce levels of hazardous dust in the air to a minimum. This places great demands on the ability of the dust extractor to separate fine dust. We use a fine filter in our mobile dust extractors, which separates most of the dust. But in order to capture close to 100% of the finest and most dangerous particles, we always complete the design with a HEPA H13 filter.

Here at Dustcontrol, we use conical pleated filters in all of our dust extraction units. A pleated filter has a very large area in relation to its physical size. The dust extractors can therefore be compact in relation to the large filter area they contain.

Only original Dustcontrol filters are tested and approved for use in our machines. The use of other types of filters could lead to the leaking of hazardous dust and/or machine breakdown. Dustcontrol's warranty only applies to machines equipped with original Dustcontrol spare parts. The filters are certified in accordance with current European requirements for dust extraction. This ensures that, with correct handling, optimum filtration will be achieved. Follow the instructions when handling filters, so that they can be replaced without exposure to hazardous dust.

To ensure that the filters comply with the requirements of relevant regulations for health and safety at work, a number of different testing standards are used. These are described below:

Test methods

The test methods used in current standards for dust extractors and filters are always based on particle counting. By injecting particles before the filter and by using a particle counter to determine the concentration before and after the filter, the penetration can be calculated (a penetration of 0.1% is equal to a degree of separation of 99.9%). The test is carried out in several

stages by individually examining the filter media, the complete filter cartridge and, in some cases, also the complete unit.

HEPA filters — High Efficiency Particulate Air Filters

When classifying HEPA filters, Dustcontrol uses the strict HEPA standard (EN 1822-1). It is divided into different levels (E10 to H14) depending on filtration efficiency. Dustcontrol applies level H13, which can separate up to 99.95% of the particles between 0.15 and 0.30 µm in size. This particle size is used because it is the hardest to separate – both larger and smaller particles are easier to capture in a filter.

Dust extractors

In IEC-60335-2-69 (EN-60335-2-69), the standard for testing wet and dry extractors, dust extractors are classified into three categories – **L for low, M for medium and H for high** – where the H category is the most stringent. (Please note: do not confuse this “H” with that in HEPA H13). The category required for a specific application is decided on the basis of the permitted maximum concentration for that type of dust (MAK) in the working environment or by local regulations.

The test according to EN-60335-2-69 comprises two parts:

1. A test of the filter system – in our case, a fine filter and a HEPA H13 filter. To achieve category H, a degree of separation of 99.995% is required, where 90% of the test particles must be smaller than 1.0 µm. Our fine filters comply with category M, and our HEPA H13 filters with category H.

2. A test of the “assembled unit” – in our case, a complete dust extractor. Here, 99.995% efficiency is also required, however 10% of the particles must be smaller than 1.0 µm, 22% smaller than 2.0 µm, and 75% smaller than 5.0 µm.






The filter systems in all Dustcontrol dust extractors are built to comply with the stringent IEC machine classification H.



Classification of our dust extractors



NAME	CLASSIFICATION	STANDARD	EFFICIENCY	PARTICLE SIZE	EXAMPLE	MAK (Maximum Work-place Concentration)
	L= 		> 99%			> 1.0 mg/m ³
	M= 		> 99,9%			> 0.1 mg/m ³
IEC* standard	H= 	IEC 60335-2-69	>99.995%	0.1 - 5.0 µm**	H=99.995%	< 0.1 mg/m ³ and carcinogenic substances including asbestos

* IEC: International Electrotechnical Commission

** Part 1: 90 % < 1.0 µm

Part 2: 10 % < 1.0 µm
22 % < 2.0 µm
75 % < 5.0 µm

Classification of our HEPA filters



NAME	CLASSIFICATION	STANDARD	EFFICIENCY	PARTICLE SIZE	EXAMPLE
	E10		85%	MPPS** between 0.15–0.30 µm	
	E11		95%		
	E12		99.5%		
HEPA*	H13	EN 1822-1	99.95%		HEPA H13 = 99.95 %

* High Efficiency Particle Air filter, ** Most Penetrating Particle Size



Single-Phase Dust Extractors

DC 1800



This machine is particularly suitable for general cleaning and source extraction from handheld power tools (with suction casings up to Ø 125mm/5") and small table saws.

The DC 1800 is equipped with a container. A plastic bag can be used inside the container to facilitate the emptying of dust and other material.

Part No DC 1800 50/60 Hz

101800	230V /50 Hz, EU
101801	230V /50 Hz Auto start*, EU
101808	230V /50 Hz, CH
101810	115V /50 Hz, UK
101820	230V /50 Hz, UK
101830	115V /60 Hz, US/CAN

*) DC 1800 Autostart. Plug the handheld power tool into the power socket on the unit. Set the selector switch to the AUTO position. The dust extractor will start automatically when the power tool is started.



Supplied with (Part No)

Suction hose (Ø38mm), 5 m (2111)
 Suction hose, antistatic (Ø38/1.5"), 5 m/16 ft (2012)
 UK/US/CAN models
 Connecting sleeve (2115)
 Coupling socket (2108)
 Floor nozzle B370/W17" (7235)
 Suction pipe Ø38 mm/1.5" (7257)
 Plastic bag (42291)
 Bag support frame (42369)
 Fine filter, cellulose (42029)
 HEPA H13 filter (42027)

Technical data

H x W x L (cm/inch)	74x38x38 /29"x15"x15"
Weight	14 kg /31 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Container	20 l /5.2 US gal
Flow at open inlet	190 m³/h /114cfm
Negative pressure, max 115/230V	21/24 kPa / 84/96 inwg
Power consumption 115/230V	1340/1285 W
Sound level	68 dB(A)

DC 1800 XL

The DC 1800 XL is especially suited for parquet grinding and other working operations that produce light dust. Suitable for general cleaning and source extraction from handheld power tools (with up to 5" suction casings) and small table saws. It is slim, lightweight and ideal for those that need a highly portable machine that is powerful enough for source extraction. Equipped with a steel container and a plastic bag used inside the container.

Part No DC 1800 XL

101880	XL, 230V /50 Hz, EU
101881	XL, 230V /50 Hz, Auto start*, EU
101884	XL, 230V /50 Hz, UK
101885	XL, 115V /60 Hz, USA
101887	XL, 115V /60 Hz, CAN
101888	XL, 230V /50 Hz, CH



Technical data

H x W x L (cm/inch)	116x38x38 /46"x15"x15"
Weight	19 kg /42 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Container	55 l /14,3 US gal
Flow at open inlet	190 m³/h /114cfm
Negative pressure, max 115/230V	21/24 kPa / 84/96 inwg
Power consumption 115/230V	1285/1340 W
Sound level	68 dB(A)

Single-Phase Dust Extractors

DC 2900c



The DC 2900c is our most popular dust extractor. It is suitable for vacuum cleaning and source extraction from handheld power tools (with suction casings up to Ø 125mm/5") and small table saws. The DC 2900c has a sturdy steel chassis with large wheels, but is still light and portable.

Part No DC 2900c, 50/60 Hz

120000	230V /50 Hz, EU
120003	230V /50 Hz, UK
120008	230V /50 Hz, CH
120013	115V /50 Hz, UK
120015	115V /60 Hz, US/CAN
120100	230V /50 Hz, Auto start*, EU
120103	230V /50 Hz, Auto start*, UK*

*) DC 2900 Autostart. Plug the handheld power tool into the power socket on the unit. Set the selector switch to the AUTO position. The dust extractor will start automatically when the power tool is started.



Supplied with (Part No)

Suction hose (Ø38 mm/1.5"), 5 m/16 ft (2111)
 Antistatic suction hose (Ø38 mm/1.5"), 5 m/16 ft (2012) UK/US/CAN models
 Connecting sleeve (2115)
 Coupling socket (2108)
 Floor nozzle B370/W17" (7235)
 Suction pipe Ø38 mm/1.5" (7257)
 Plastic sack (42702)
 Fine filter, cellulose (42029)
 HEPA H13 filter (42027)



Technical data

H x W x L (cm/inch)	111x44x55 /43"x17"x21"
Weight	14 kg /30.8 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Collector	20 l /5.3 US gal
Flow at open inlet	190 m³/h /114 cfm
Negative pressure, max 115/230V	21/24 kPa /84/96 inwg
Power consumption 115/230V	1340/1285 W
Sound level	68 dB(A)

DC 2900a

Collection in a container makes the DC 2900a ideal to use for sharp material such as metal chips.

Part No DC 2900a, 50/60 Hz

121000	230V /50 Hz, EU
121003	230V /50 Hz, UK
121008	230V /50 Hz, CH
121013	115V /50 Hz, UK
121015	115V /60 Hz, US/CAN
121100	230V /50 Hz, Auto start*, EU

121000-3 DC 2800H ENT 230V/50Hz

Based on the DC 2900a. The machine has a switch allowing the user to choose the level of air flow at which a warning signal shall be given.



Supplied with (Part No)

Suction hose (Ø38 mm/1.5"), 5 m/16 ft, antistatic (2012)
 Floor nozzle B370 /W17" (7235)
 Chrome suction pipe Ø38 mm/1.5" (7257)
 Fine filter, polyester (42028)
 HEPA H13 filter (42027)



Technical data

H x W x L (cm/inch)	111x44x55/ 43"x17"x21"
Weight	19 kg /42 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Container	40 L /10.56 US gal
Flow at open inlet	190 m³/h /114 cfm
Negative pressure, max 115/230V	21/24 kPa / 84/96 inwg
Power consumption 115/230V	1340/1285/W
Sound level	68 dB(A)

Single-Phase Dust Extractors

DC Tromb 400



The DC Tromb 400 is designed to meet modern safety requirements and work in conjunction with tools that have become ever more efficient and that therefore produce more dust than they have previously.

The maximum air flow is as high as 400 m³/h/ 247 cfm which is more than enough capacity for equipment such as floor grinders with a working width of 500 mm /19" and large electric cut off saws. It is easy to transport around construction sites, move in stairwells and lift into tight spaces. The wheels are puncture-proof and won't leave marks on the floor. The front wheels are lockable to enable working on uneven ground.

The DC Tromb can be supplied with three different collection variants: container, bag or Longopac.

Part No DC Tromb 400

162000	a	230V /50Hz, EU
162001	a	115V /60Hz, UK
162002	a	115V /60Hz, US/CAN
162008	a	230V /50Hz, CH
161500	c	230V /50Hz, EU
161501	c	115V /60Hz, UK
161503	c	230V /50Hz, UK
161502	c	115V /60Hz US/CAN
161508	c	230V /50Hz, CH
161530	L	230V /50Hz, EU
161531	L	115V /60Hz, UK
161532	L	115V /60 Hz, US/CAN
161538	L	230V /50Hz, CH



DC Tromb 400a



DC Tromb 400c



Single-Phase Dust Extractors

DC **Tromb** 400

1-phase

eco



Supplied with (Part No)

Connecting sleeve (2129)
Coupling socket (2008)
Suction hose, antistatic Ø50mm/ 2", 5 m/16 ft (2013)
Suction hose Ø50 mm /2" 5 m /16 ft (2401) on models 161500 and 161508
Floor nozzle (7238)
Suction pipe Ø50 mm /2" (7265)

Discharge:

"a" model (40 l/10 US gal container 40070)
"c" model (10 x plastic bags 43619)
"L" model (Longopac 22 m /72 ft 432177)
Fine filter, polyester (44017)
HEPA H13 filter (44016)



Technical data

H x W x L (cm/inch)	139x56x70 /54"x22"x27"
Weight	a/ 50 kg /110 lbs c/ 46 kg /101 lbs L/ 48 kg /106 lbs
Inlet	Ø 76 mm /3"
Collection	40 l/10 US gal / 20 l/ 5 US gal longopac
Flow at open inlet 115/230V	330/393 m³/h /188 cfm
Max flow 115/230V	360/420 m³/h / 212 cfm
Negative pressure, max 115/230V	21/25 kPa /84/100 inwg
Power consumption 115/230V	2100/2680/3000 W
Sound level	70 dB(A)



DC Tromb 400L



Single-Phase Dust Extractors

DC 3800 Wood Shavings Extractor



The DC 3800 Wood Shavings Extractor is designed especially to be connected to the carpentry equipment. It is suitable for source extraction on most saws where continuous operation and a high degree of separation is required. The DC 3800 Wood Shavings Extractor is a robust mobile machine that is easy to move around.

As with all of Dustcontrol's mobile dust extractors, the DC Wood Shavings Extractor is very easy to service.

Part No DC 3800 Wood Shavings Extractor
118400 230V /50 Hz, EU



Technical data

H x W x D (cm/inch)	138x60x70 /54"x23"x27"
Weight	37 kg /81 lbs
Hose length	7.5 m /22ft Ø50 mm/ 2"
Container	90 l /23 US gal
Flow at open inlet	320 m³/h /188 cfm
Negative pressure	24 kPa /96 inwg
Power consumption	2600 W
Sound level	70 dB(A)



Supplied with (Part No)

Connecting sleeve (2129)
Suction hose Ø50 mm/2", 7.5 m/ 22 ft
antistatic (2013)
Floor nozzle B 500 mm / W 19.7" (7238)
uction pipe Ø50 mm/2" (7265)
Plastic bag (4714)
Fine filter, polyester (42025)
HEPA H13 filter (42024)



Three-Phase Dust Extractors

DC 3900a Turbo DC 3900c Turbo



The DC 3900c Turbo is a medium-sized dust extractor with a tall cyclone and a three-phase motor that enables it to handle large quantities of debris.

This dust extractor is suitable for long hoses (up to 20 m / 65 ft), heavy cleaning (38 mm / 1.5" accessories) and for source extraction from power tools such as grinders, hammers and saws. Suitable casings are those for sanding, grinding and diamond discs up to 9" (230 mm) as well as rubber bellows for chisel hammers, drills and jackhammers (part no 6078 & 6130).

Part No	DC 3900a/c Turbo
133000	c 400V / 50 Hz, EU
133002	c 460V / 60 Hz, US/CAN
133100	a 400V / 50 Hz, EU



Supplied with (Part No)

Hose set, 7 m / 23 ft, 5 m / 16 ft (Ø50 mm / 2") and 2 m / 6.5 ft (Ø38 mm / 1.5"), (2125)
 Floor nozzle B450 (7236)
 Suction pipe, Ø38 mm / 1.5" (7257)
 Plastic bags (43619)
 Fine filter, polyester (42025)
 HEPA H13 filter (42024)



Technical data

H x W x D (cm/inch)	145x60x97 / 57"x23"x38"
Weight	62 kg / 137 lbs
Hose length	5 m / 16 ft (Ø50mm / 2")
Collection	40 l / 10 US gal
Flow at open inlet	260 m³/h / 188 cfm
Negative pressure	30 kPa / 124 inwg
Power consumption	2.2 kW / 4 hp
Sound level	75 dB(A)

DC 5900a 4 kW/10hp



All DC 5900s are powerful and reliable mobile dust extractors. They are built on a robust and sturdy steel chassis for maximum durability, for example on construction sites. With a direct-driven, three-phase turbopump, the DC 5900 is suitable for continuous operation, conveying heavy material away, source extraction and cleaning.

The DC 5900 provides sufficient air flow for several users at the same time and it can also be used as a semi-mobile central unit in a tubing system. It is suitable for source extraction for grinding discs up to approx. 800 mm / 31" in diameter.

Part No	DC 5900a
119302	400V / 50 Hz / 4kW
119309	460V / 60 Hz / 10hp, US
119310	600V / 60 Hz / 10hp, CAN



Supplied with (Part No)

Coupling socket (2107)
 Coupling socket (2008)
 Suction hose, antistatic, Ø50 mm / 2", 7.5 m / 22 ft, (2013)
 Floor nozzle B 500 mm / W 19.7" (7238)
 Suction pipe, Ø50 / 2" (7265)
 Fine filter, polyester (429204)
 HEPA H13 filter (42869)
 Container 75 l / 19 US gal (7368)



Technical data

H x W x D (cm/inch)	194x78x116 / 76"x30"x45"
Weight	176 kg / 388 lbs
Container	75 l / 19 US gal
Flow at open inlet	470 m³/h / 353 cfm
Negative pressure	28 kPa / 132 inwg
Power consumption	4 kW / 10 hp
Sound level	75 dB(A)

Three-Phase Dust Extractors

DC 5900c 4 kW/10hp



All DC 5900s are powerful and reliable mobile dust extractors. They are built on a robust and sturdy steel chassis for maximum durability, for example on construction sites. With a direct-driven, three-phase turbopump, the DC 5900 is suitable for continuous operation, conveying heavy material away, source extraction and cleaning.

The DC 5900 provides sufficient air flow for several users at the same time and it can also be used as a semi-mobile central unit in a tubing system. It is suitable for source extraction for grinding discs up to approx. 800 mm/ 31" in diameter.



Supplied with (Part No)

Coupling socket (2107)
Coupling socket (2008)
Suction hose, Ø50 mm/ 2", 7.5 m/ 22 ft (2401)
Floor nozzle B, 500 mm / W 19.7" (7238)
Suction pipe, Ø50 mm/2" (7265)
Plastic bags, 10 pcs (46145)
Fine filter, polyester (429204)
HEPA H13 filter (42869)



Technical data

H x W x D (cm/inch)	192x76x100 /75"x30"x39"
Weight	176 kg /388 lbs
Collector	60 l /15 US gal
Flow at open inlet	470 m³/h /353 cfm
Negative pressure	28 kPa /132 inwg
Power consumption	4 kW /10 hp
Sound level	75 dB(A)

Part No DC 5900c

119300	400V/ 50Hz/ 4 kW
119307	460V/ 60 Hz/ 10hp, US
119308	600V/ 60 Hz/ 10hp, CAN

DC 5900a 7.5kW DC 5900c 7.5kW



The DC 5900 7.5 kW is equipped with a frequency converter, which makes it suitable for use where only 16A is available. The machine is a powerful dust extractor with a large air flow, ideal for applications such as floor grinding.



Supplied with (Part No)

Coupling socket (2129)
Coupling socket 76/50 (2008) and 50/50 (2107)
Suction hose Ø50 mm/ 2", 7.5 m/ 22 ft (2401)
Suction hose, antistatic Ø50 mm, 7.5 m (2013) on model 119318
Floor nozzle, B500/50 (7238)
Suction pipe, Ø50 /2" (7265)
Fine filter, polyester (429204)



Technical data

H x W x D (cm/inch)	194x78x116 /76"x30"x45"
Weight	210 kg /463 lbs
Collection	60 l /16 US gal
Flow at open inlet	630 m³/h /371 cfm
Negative pressure	28 kPa /112 inwg
Power consumption	7.5 kW
Sound level	75 dB(A)

Part No DC 5900a/c 7.5kW

119303	c 400V/ 50 Hz/ 7.5 kW, EU
119318	a 400V/ 50 Hz/ 7.5 kW, EU

Three-Phase Dust Extractors

DC 5900c 9.2kW S DC 5900a 9.2kW S

3-phase 

The machine is primarily intended to be used for pneumatic conveying or the removal of very heavy material in conjunction with a pre-separator. The extra-large suction capacity can also be utilised for regular source extraction and cleaning in situations where extra long hoses up to 50 m are required. To prevent overheating during intensive use, the pump has been equipped with a cold air intake.

The reverse pulse filter cleaning system provides extra-long filter life and ensures no loss of suction.

Part No DC 5900c/a 9.2 kW S

119340 c 400V /50Hz, 60 l bag

119341 a 400V /50Hz, 75 l container



Supplied with (Part No)

Fine filter, polyester (429204)

HEPA H13 filter (42807)



Technical data

H x W x D (cm/inch)	194x78x116 /76"x30"x45"
Weight	200 kg /440 lbs
Collection	Container/Bag
Flow at open inlet	500 m³/h /294 cfm
Negative pressure	40 kPa /160 inwg
Power consumption	9.2 kW /15hp
Sound level	75 dB(A)

DC 5900c 9.2kW P /15hp DC 5900a 9.2kW P /15hp

3-phase 

The DC 5900 9.2 kW P generates an extremely large airflow and is therefore optimised for many extraction points. It is generally used in semi-mobile extraction systems where the machine is conveniently positioned in a central location and connected to a tubing system. Maximum efficiency is achieved and maintained with up to four simultaneous users.

Part No DC 5900c/a 9.2kW P /15hp

119301 c 400V /9.2 kW /50Hz, 60 l bag

119305 a 400V /9.2 kW /50Hz, 75 l container

119314 c 460V /15hp /60Hz, 60 l bag, US/CAN

119315 a 460V /15hp /60Hz, 75 l container, US/CAN

119316 c 600V /15hp /60Hz, 60 l bag, US/CAN

119317 a 600V /15hp /60Hz, 75 l container, US/CAN



Supplied with (Part No)

Fine filter, polyester (429204)

HEPA H13 filter (42807)



Technical data

H x W x D (cm/inch)	194x78x116 /76"x30"x45"
Weight	210 kg /463 lbs
Collection	Container/bag/Longopac
Flow at open inlet	800 m³/h /471 cfm
Negative pressure	28 kPa /112 inwg
Power consumption	9.2 kW /15hp
Sound level	75 dB(A)

I-Line – Quiet and Powerful

In some industrial applications, a portable dust extractor is preferred over a stationary system. In some of these industrial settings, sound can be a detriment or health hazard, a quiet unit is often desirable. Dustcontrol's I-line are as portable indoor vacuum units since the vacuum producer is highly sound insulated.

The i-line dust extractors can be "docked" to a permanent or temporary tubing system. Ideally these units are used for source extraction with handheld power tools, but can also

be used for heavy cleaning, such as metal chips. The vacuum producer is a turbo pump directly driven by a three-phase motor, providing reliability, long life and minimal service requirements. The characteristics of the turbo pump are well suited for heavy cleaning and material transport – the greater the resistance, the more vacuum generated.

DC 3800i

The DC 3800i combines central system performance with the flexibility of a portable machine. It is used with Ø 1.5"/38 mm accessories for heavier applications such as lathes and milling machines that generate large volumes of particles and chips. It is suitable for welding, metal chip, aluminum chips, swarf, material transport and cleaning.

Part No	DC 3800i
13556A05K0	230/ 400 V /50 Hz, 2,2 kW
117206	230/ 460 V /60 Hz, 4,0 hp, USA/CAN



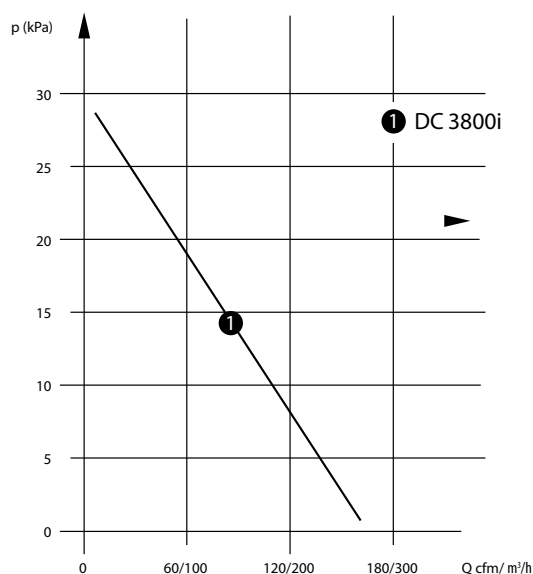
3-phase



Supplied with (Part No)

- 13556A05K0:** Suction hose 7 m (5 m Ø 50 and 2 m Ø 38, standard) (2125)
- 117206:** Antistatic hose set total 23' / 7 m (Ø 1.5" x 6' + Ø 2" x 17' / Ø 38 mm x 2 m + Ø 50 mm x 5 m) (2126 + 2107 + 2114)
- Aluminium floor tool B 450, Ø1.5"/38 mm (7236)
- Suction pipe Ø1.5"/38 mm (7257)
- Chrome steel flat nozzle, Ø1.5"/38 mm, L=16"/400 mm (7213)
- Suction brush Ø1.5"/Ø38 (7278)
- Hand pipe Ø1.5"/Ø38 (7035)
- Container 10.5 gal/40 l (40070)
- Fine filter, polyester (42025)

Capacity



Technical data

HxWxL, in/cm	59x27x44/ 147x66x110
Weight, lbs/kg	190/86
Inlet, (nom)	Ø 2"/50 mm
Hose length max rec	15'-90' (Ø 2")/ 5-30 m (50 mm)
Max vacuum, inwg/kPa	120/30
Max Q, cfm/ m³/h	156 /260
Motor Nameplate	2.2 kW/4 hp
Fine Filter area, ft²/m²	19.5/1.8
Filter efficiency (EN 60335-2-69, Class M)	99,9 %
Collection container volume	10.5 gal/ 40 l
Sound level	60 dB(A)



EX-Line

The EX-line is specially designed for industries where there is a risk of explosion and also high demands for clean production, such as the wood, food production and electronics industries.

The machines fulfil the requirements of the ATEX Zone 22 directive 1999/92 ATEX 137. Cleaning accessories from Dustcontrol are also available to meet these regulations. Zone 22 is an area where an explosive environment, created by combustible airborne substances, does not

occur in normal operation or only occurs short-term.

These machines are equipped with steel containers, earth-bonded parts and antistatic accessories. The machines for non-conducting material are enclosed to IP54 standard. For conductive material, IP65 standard is required. The machines are virtually maintenance free and can extract dust in a vast range of applications such as source extraction when using power tools for grinding, cutting and drilling applications as well as general cleaning.

DC 1800 H EX

DC 2800 H EX



1-phase

IP54



DC 1800 H EX



DC 2800 H EX

The DC 1800 and 2800 H EX are suitable for general cleaning and source extraction. The DC 1800 H EX is small and lightweight and as such, suitable for those that need a highly portable machine that still is powerful enough for source extraction. The DC 1800 and 2800 H EX are equipped with a steel container. The machines are equipped with a brushless motor (for spark-free operation) and certified to IP54 standard (non conductive dust).



Technical data

Weight	18 kg/40 lb
Flow at open inlet, 115V	210 m³/h /124 ft³/m
Flow at open inlet, 230V	185 m³/h /109 ft³/m
Neg. Pressure max, 115V	30 kPa
Neg. Pressure max, 230V	25 kPa
Power consumption, 115V	1500 W
Power consumption, 230V	1300 W
Sound level	70 dB(A)
Container DC 1800	15 l/3.9 US gal
Container DC 2800	40 l/10.56 US gal



Supplied with (Part No)

Suction hose ATEX, Ø 38, 5 m/ 20 in. (2027)
 Floor nozzle (7235E)
 Suction pipe Ø38 mm/1.5" (7257)
 Fine filter, polyester (42028)
 HEPA H13 filter (42027)

Part No DC 1800 H EX

114000 230V, 50/60 Hz, EU
 114001 230V, 50/60 Hz, UK
 114002 115V, 50/60 Hz, UK
 114003 115V, 50/60 Hz, US/CAN

DC 1800 DC 2800^{H EX} Stainless Steel



Dustcontrol's DC 1800/2800 EX are valued both for its easy handling and capacity when being used to reduce the risks of potential dust explosions in ATEX zone 22 (non-conductive dust).

However, there are areas with high hygienic demands (e.g. the food processing industry), which surpass the abilities of our standard DC 1800/2800 EX.

Suitable for operation in environments with potentially combustible dust (non-conductive); stainless steel design enables the use of alkaline wash solutions; high resistance to acids.



DC 1800^{EX} Stainless Steel



DC 2800^{EX} Stainless Steel



Supplied with (Part No)

Suction hose, antistatic 38 ATEX (2027)
 Suction hose ATEX, Ø 38, 5 m/ 20 in (2007)
 Floor nozzle 370 A-38, ESD-certified (7235E)
 Suction pipe Ø38 mm/1.5" (7257)
 Fine filter, polyester (42028)
 HEPA H13 filter (42027)

Part No	DC 2800 H EX Stainless Steel
114104	115V, 60 Hz, USA/CAN
114105	230V, 50 Hz, EU



Technical data

Weight	18/19 kg / 40/42 lb
Flow at open inlet, 115V	210 m³/h / 124 ft³/m
Flow at open inlet, 230V	185 m³/h / 109 ft³/m
Neg. Pressure max, 115V	30 kPa
Neg. Pressure max, 230V	25 kPa
Power consumption, 115V	1500 W
Power consumption, 230V	1300 W
Sound level	70 dB(A)

EX-Line

DC 3800 H Turbo EX



The DC 3800 H Turbo EX is a medium sized dust extractor with a high cyclone and a three-phase turbo motor. Thanks to the high cyclone, big filters and powerful motor package, it can handle large amounts of particles. Since it is equipped with a powerful three-phase turbo pump it is suitable for long hoses (up to 20 metres) and heavy cleaning (38mm accessories). It is certified to IP65 standard (conductive dust), ATEX Zone 22.



Supplied with (Part No)

Suction hose ATEX 7.4 m
2 m (2027) Ø38 mm, 5.4 m (2028) Ø 50
Floor nozzle (7236e)
Suction pipe Ø38 mm/1.5" (7257)
Fine filter, antistatic (4202501)
HEPA H13 filter, polyester (42024)
Cable length 7 m
Connector CEE plug 5 pol 16 A IP67



Technical data

Weight	70 kg
Flow at open inlet	260 m³/h
Negative pressure, max	28 kPa
Power consumption	2.2 kW /4 hp
Sound level	<70 dB(A)
Container	40 l

Part No	DC 3800H Turbo EX
13756A0GD0	400V /50Hz, Conductive dust / Non-conductive, IP65
114030	460V /60 Hz, 4 hp, Conductive dust, IP65

DC 5800 H Turbo EX



The DC 5800 H Turbo EX is designed for big hand held power tools and heavy cleaning. The unit is of robust and sturdy design for maximum dependability, coupled with a direct driven turbo pump for continuous operation. It is certified to IP65 standard (conductive dust).



Supplied with (Part No)

Suction hose ATEX, Ø 50, 7.5 m (2028)
Floor nozzle (7238e)
Suction pipe, Ø50 mm /2" (7265)
Fine filter, antistatic (429206)
HEPA H13 filter (42869)



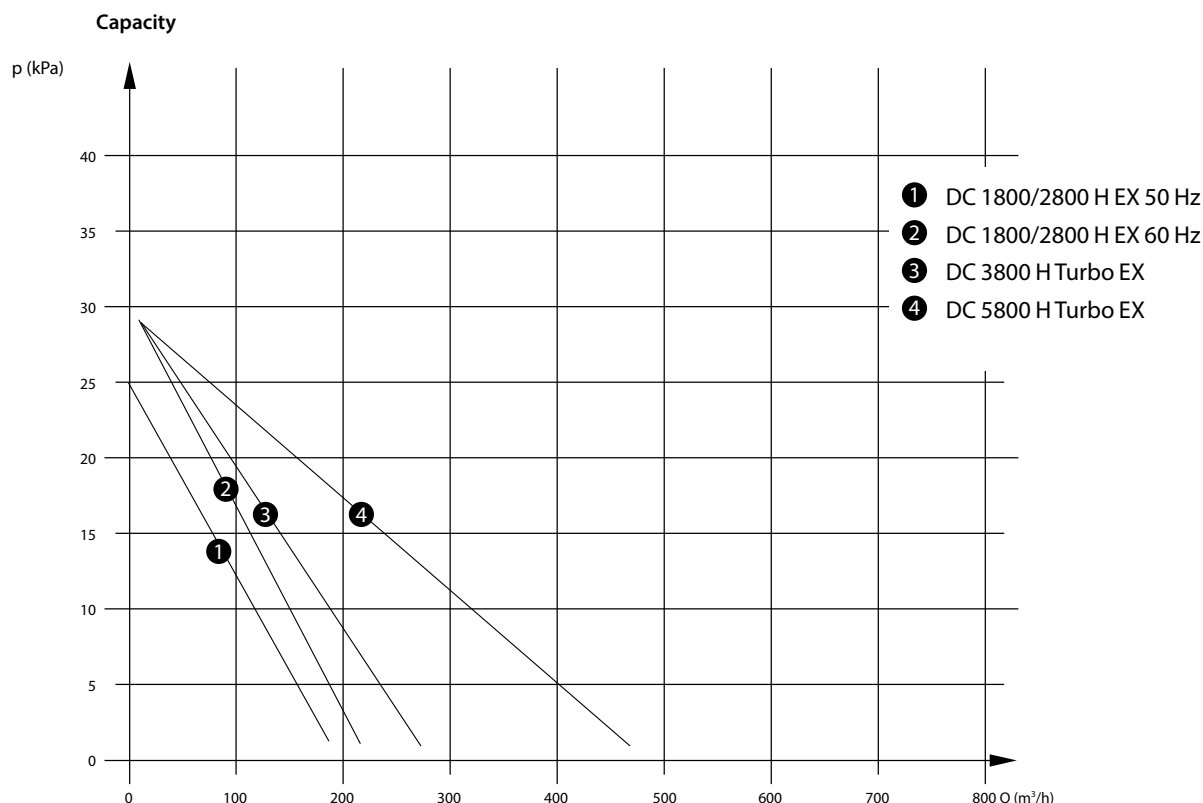
Technical data

Weight	ca 170 kg
Flow at open inlet	470 m³/h
Negative pressure, max	28 kPa
Power consumption	4 kW /10 hp
Sound level	75 dB(A)
Container	40 l

Part No	DC 5800H Turbo EX
119312	4 kW 400V /50 Hz
119313	10 hp 460V /60 Hz

EX-Line

Guide to the right EX-machine



Technical data

	DC 1800 H EX	DC 2800 H EX	DC 3800 H Turbo EX	DC 5800 H Turbo EX
HxWxL (mm/in.)	830x402x382 / 33x16x15	1110x440x550	1400x600x970	1920x760x1000
Weight	18 kg / 40 lb	22 kg	70 kg	ca 170 kg
Inlet	X 50 mm / 2 in.	X 50 mm	X 50 mm	X 76 mm
Hose length (Ø 50)	5 m / 20 in. (Ø 38)	5 m (Ø 38)	5–20 m	5–30 m
Flow at open inlet	210/185 m³/h * / 124/109 ft³/m	210/185 m³/h *	260 m³/h	470 m³/h
Negative pressure, max	30/25 kPa	30/25 kPa *	28 kPa	28 kPa
Power consumption	1500/1300 W	1500/1300 W *	2.2 kW	4 kW
Filter area, fine filter	1.5 m² / 16 ft.²	1.5 m²	1.8 m²	8.4 m²
Degree of separation fine filter				
EN 60335-2-69, Class M	99 %	99 %	99 %	99 %
Filter area microfilter	0.85 m² / 9 ft²	0.85 m²	1.5 m²	2.7 m²
Degree of separation				
Microfilter EN 1822-1	HEPA H13	HEPA H13	HEPA H13	HEPA H13
EN 60335-2-69, Class H	99.995 %	99.995 %	99.995 %	99.995 %
Container	20 l	40 l	40 l	40 l
Sound level (115/230 V)	70 dB(A)	70 dB(A)	< 70 dB(A)	75 dB(A)

*115V / 230V

Compressed Air Driven Dust Extractors

DC 1800 TR^{EX} DC 2800 TR^{EX}



The DC 1800/2800 TR EX removes dust in three stages. The first separation occurs in the unit's cyclone, which is a very efficient separation of all the coarser dust. The finer dust is separated in the unit's filter cartridges, and then the HEPA filter takes care the rest of the dust. Filter cleaning with pulse provides long filter life and constant capacity. Vacuum is created in the ejector. The ejector is maintenance free.

Part No 101890 DC 1800 TR EX



Supplied with (Part No)

Fine filter cellulose (42029)
Plastic bags (42384)
HEPA H13 filter (42027)



Technical data

HxWxL, in/cm	32x15x15/ 82.5x38x38
Weight, lbs/kg	22/10
Inlet, (nom)	Ø 2" /50 mm
Hose I max rec'd (Ø 2" /50 mm)	15' /5 m
Max Q, cfm /m³/h	102/170
CA consumption at 90psi /7 bar	5.3 gal/s /20 l/s
Air Connection	½" ball valve
Max vacuum, inwg/kPa	64/16
Fine Filter area, ft² /m²	16/1.5
Filtration efficiency	
- EN 60335-2-69, Class M	99 %
HEPA Filter area, ft² /m²	9.1/0.85
HEPA Filter efficiency	
- EN 60335-2-69, Class H	99.995 %
- EN 1822-1	HEPA H13
Collection bin volume	5.3 gal /20 l
Sound level	68 dB(A)

DC 2800 TR^{EX}



Description see DC 1800 TR EX above.

Part No 121090 DC 2800 TR EX



Supplied with (Part No)

Fine filter cellulose (42029)
Plastic bags, 5 pcs (42385)
HEPA H13 filter (42027)



Technical data

HxWxL, in/cm	47x17x22/ 119.5x44x55
Weight, lbs/kg	42/19
Inlet, (nom)	Ø 2" /50 mm
Hose I max rec'd (Ø 2" /50 mm)	15' /5 m
Max Q, cfm /m³/h	102/170
CA consumption at 90psi/7bar	5.3 gal/s /20 l/s
Air Connection	½" ball valve
Max vacuum, inwg/kPa	64 /16
Fine Filter area, ft² /m²	16 /1.5
Filtration efficiency	
- EN 60335-2-69, Class M	99%
HEPA Filter area, ft² /m²	9.1/0.85
HEPA Filter efficiency	
- EN 60335-2-69, Class H	99.995 %
- EN 1822-1	HEPA H13
Collection bin volume	10.5 gal/40 l
Sound level	68 dB(A)

Compressed Air Driven Dust Extractors

DC 3800 TRS EX



The DC 3800 TRS EX is a compressed air driven extractor for use in areas where electrical power is not available or practical. The DC 3800TR S EX is a machine with large suction capacity and robust construction while still being compact and easy to maneuver. It is ideal for source extraction on most types of hand-held tools and for industrial cleaning (38 mm and 50 mm system). The DC 3800 TRS EX is supplied with a HEPA filter.

Part No 117100 DC 3800 TRS EX



Supplied with (Part No)

Fine filter, antistatic (4202501)
HEPA H13 filter (42024)



Technical data

HxWxL, in/cm	55x24x36/ 139x60x92
Weight, lbs/kg	84/38
Inlet, (nom)	Ø 2"/50 mm
Hose I max rec'd (Ø 2" /50 mm)	15'-50'/5-15m
Max Q, ft ³ / m ³ /h	14126/400
CA consumption at 90psi/6 bar	63.5cfm/20 l/s
Air Connection	1" ball valve
Max vacuum, inwg/kPa	80/20
Fine Filter area, ft ² /m ²	19.3/1.8
Filtration efficiency	
- EN 60335-2-69, Class M	99 %
HEPA Filter area, ft ² /m ²	16/1.5
HEPA Filter efficiency	
- EN 60335-2-69, Class H	99.995 %
- EN 1822-1	HEPA H13
Collection bin volume	10.5 gal/40 l
Sound level	75 dB(A)

DC 5800 TR

The DC 5800 TR is a machine driven by compressed air for use in areas where electricity is not available or not permitted. The DC 5800 TR has a very robust design and extra high extraction power, which makes it ideal for source extraction on bigger machinery and in mines. It is also ideal for source extraction from most types of hand held power tools.

Part No 119390 DC 5800 TR



Supplied with (Part No)

Plastic bags, 5 pcs (46145)
Fine filter, polyester (429204)



Technical data

HxWxL, in/cm	71x30x40/ 180x76x100
Weight, lbs/kg	330/150
Inlet, (nom)	Ø 3"/76 mm
Hose I max rec'd	15'-50'/5-10m
Max Q, cfm /m ³ /h	300/500
CA consumption at 90psi /6bar	90 cfm/3.6m ³ /m
Air Connection	1" ball valve
Max vacuum, inwg/kPa	84/21
Fine Filter area, ft ² /m ²	53.8/5
Filtration efficiency	
- EN 60335-2-69, Class M	99 %
Collection bag volume	15.5 gal/60 l
Sound level	75 dB(A)



Accessories

HEPA Filter area, ft² /m² 16/1.5
HEPA Filter efficiency
- EN 60335-2-69, Class H 99.995 %
- EN 1822-1 HEPA H13



"All Dustcontrol machines are able to vacuum small amounts of liquid, but for those of you who deal with larger quantities of water, we have developed a range of professional wet-vacs that can handle the toughest environments."

Wet-Vacs

DC 50W DC 75W

eco 1-phase



DC 50 Wet-Vac

DC 75 Wet-Vac

When drilling in concrete, large quantities of water are required, which becomes very dirty. Using a wet-vac to effectively extract the water prevents both the workplace from becoming wet and dirty, and the sewerage system from silting up. The slurry solids are collected in a filter bag for easy handling and disposal.

Dustcontrol's wet-vacs are easy to disassemble for cleaning and decontamination. This is an important benefit on units that require frequent cleaning. Robust construction helps these units resist the knocks from everyday use.

Part No	Wet-Vacs
118600	DC 50W, 230V, 50 Hz, EU
118700	DC 75W, 230V, 50 Hz, EU



DC 50W Supplied with (Part No)

Coupling socket (2108)
Connecting sleeve (2114)
Suction hose Ø38 mm /1.5", 5 m /16ft, antistatic (2012)
Floor nozzle B370mm /W14"(7236)
Suction pipe Ø38, aluminium (7258)
Filter bag (42190)



DC 50W Technical data

H x W x D (cm/inch)	87x63x54/ 34"x25"x21"
Weight	34 kg /75 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Flow at open inlet	190 m³/h
Negative pressure 230V	24 kPa
Vacuum motor, single-phase 230V	1285 W
Pump, single-phase	550 W
Sound level	75 dB(A)



DC 75W Supplied with (Part No)

Coupling socket (2108)
Connecting sleeve (2115)
Suction hose Ø38 mm/1.5", 5 m /16ft, antistatic (2012)
Floor nozzle B370mm /W14"(7236)
Suction pipe Ø38, aluminium (7258)
Filter bag (42190)



DC 75W Technical data

H x W x D (cm/inch)	98x63x55/ 38"x25"x21"
Weight	37 kg /81 lbs
Hose length	5 m /16 ft Ø38 mm /1.5"
Flow at open inlet	190 m³/h
Negative pressure 230V	24 kPa
Vacuum motor, single-phase 230V	1400 W
Pump, single-phase	550 W
Sound level	75 dB(A)

Air Cleaner

DC AirCube 500



The DC AirCube 500 has been developed for ease of use and durability. The fan unit is a radial blower with specially designed to build up high pressure across its entire flow range. This means that the unit generates a large amount of airflow during the entire lifetime of the filter. An exhaust hose can be used to create negative pressure in a sealed room. The fan has two speed settings, which means that the unit can be run economically, for example during the night.

Part No	DC AirCube 500
112500	230V, 50 Hz, EU
112501	230V, 50 Hz, UK
112503	115V, 50 Hz, UK
112508	230V, 50 Hz, CH
112505	115V, 60 Hz, US/CAN



Technical data

H x W x D (cm/inch)	38x34x50 /15"x13"x20"
Weight	13 kg /28,6 lbs
Inlet/Outlet Ø	38x34 cm /Ø125 1.5x1.3 inch /Ø5"
Power consumption, fan	145/210 W
Flow at open inlet, max	470/500 m³/h 276/353 cfm
Pre-filter area	0,18 m² /1.9 ft²
HEPA filter area	4.2 m² /45 ft²
Filter class	H13
Sound level	45-65 dB (A)



Accessories (Part No)

- Hose 125 (2420)
- Funnel connection (42753)
- Hose clamp (4138)
- HEPA H13 filter (42692)
- Pre-filter (42690)

Dustcontrol's high-efficiency air cleaner – the DC AirCube – is equipped with a HEPA H13 filter to separate dust and particles down to 0.3 microns. The DC AirCube contributes to a healthier working environment.



Dust class H (degree of permeability $\leq 0.005\%$) for particles as small as 0.1 mg/m^3 and carcinogenic particles. According to IEC/EU 60335-2-69

Air Cleaner

DC AirCube 1200

The DC AirCube 1200 is a highly efficient and robust air cleaner with the ability to clean the air even in large rooms, at a rate of up to 1,060 m³/h /647 cfm. The encapsulated fan housing contains a radial blower type fan that builds up high pressure across its entire flow range, which provides effective air cleaning for the entire lifetime of the filter. The speed of the fan is also continuously variable in order to save energy. The DC AirCube 1200 is equipped with both a HEPA H13 filter that captures the smallest particles and a light that indicates when it is time to replace the filter.



Part No	DC AirCube 1200
111000	230V, 50 Hz EU
111001	230V, 50 Hz UK
111002	115V, 50 Hz UK
111008	230V, 50 Hz CH
111003	115V, 60 Hz US/CAN



+ Accessories (Part No)

Hose kit (42657)
Bend 90° (42660)
HEPA H13 filter (42940)
Pre-filter (42918)

Technical data

H x W x D (cm/inch)	86x43x55/ 34"x17"x21"
Weight	23 kg /51 lbs
Inlet/Outlet Ø	25/31.5 cm 0.98/1.24 inch
Power consumption, fan	375/385 W
Flow at open inlet, max	1660 m ³ /h /977 cfm
Pre-filter area	0.40 m ² /4.3 ft ²
HEPA filter area	5 m ² /54 ft ²
Filter class	H13
Sound level	60-68 dB (A)

DC AirCube 2000

With a capacity of approximately 1.800 m³/h /1059 cfm the DC AirCube 2000 is the Dustcontrol's most powerful cleaner.

The DC AirCube 2000 has a robust, stainless-steel chassis and an encapsulated fan with variable speed setting. With its ergonomic design, it is easy to carry and transport. It can also be operated when positioned horizontally.

The DC AirCube 2000 has a HEPA H13 filter with an area totalling 10m²/107ft². An integrated light indicates when it is time to replace the filter.



Part No	DC AirCube 2000
102000	230V, 50 Hz, EU
102002	230V, 50 Hz, UK
102003	115V, 50 Hz, UK
102008	230V, 50 Hz, CH
102004	115V, 60 Hz, US/CAN



+ Accessories (Part No)

Hose kit (42657)
Bend 90° (42660)
HEPA H13 filter (42896)
Pre-filter (42917)

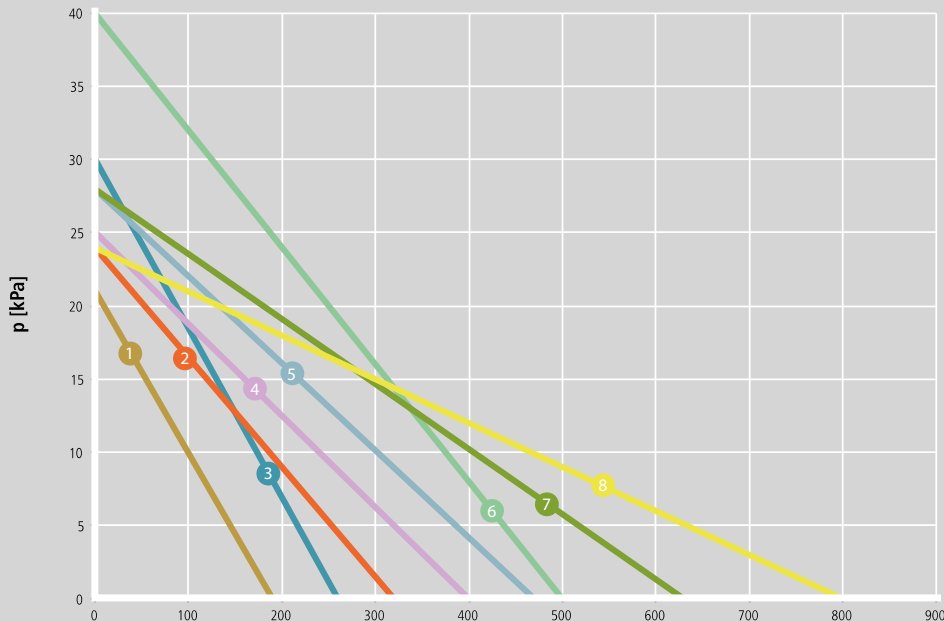
Technical data

H x W x D (cm/inch)	102x56x70 /40"x22"x27"
Weight	30 kg /66lbs
Inlet/Outlet Ø	315/315 mm 12.4/12.4 inch
Power consumption, fan	360 /505 W
Flow at open inlet, max	1800 m ³ /h /1059 cfm
Pre-filter area	0.5 m ² /5.4 ft ²
HEPA filter area	10 m ² / 107 ft ²
Filter class	H13
Sound level	60-68 dB (A)

Guide to the right machine

Pressure generation and airflow of our machines

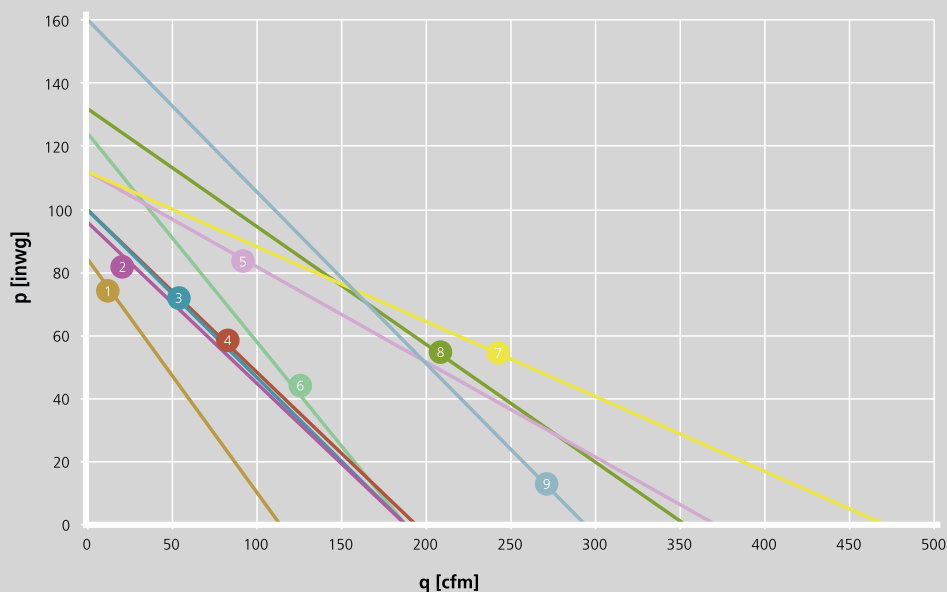
kPa vs m³/h



kPa vs m³/h

- 1 DC 2800H Asbest & DC 1800 & DC 2900
- 2 DC 3900, DC 3900 Twin & DC 3800 Wood Shavings Extractor
- 3 DC 3900 Turbo & DC 3900 Twin Turbo
- 4 DC Tromb 4000
- 5 DC 5900 4kW, DC 5900 PTFE
- 6 DC 5900 9.2kW S
- 7 DC 5900 7.5kW
- 8 DC 5900 9.2kW P

cfm vs inwg



cfm vs inwg

- 1 DC 1800, DC 2900a, DC 2900c, DC 2800H Asbest
- 2 DC 3800 Wood Shavings Extractor
- 3 DC 3900a, DC 3900c, DC 3900L, DC 3900L
- 4 DC Tromb 400a, DC Tromb 400c, DC Tromb 400L
- 5 DC 5900c 7.5 kW, DC 5900L 7,5 kW
- 6 DC 3900c Turbo, DC 3900c Twin Turbo
- 7 DC 5900c 9.2 kW P
- 8 DC 5900c PTFE, DC 5900a 4 kW, DC 5900c 4 kW, DC 5900L 4 kW
- 9 DC 5900c 9.2 kW S