DC AirCubes

DC AirCubes – air cleaners that takes care of dangerous airborne dust before it gets into your lungs.



Air Cleaner

DC AirCube 600

This air cleaner combines ergonomic design with powerful performance – and which, thanks to its low weight, is easy to carry and move when needed. With an adjustable airflow, operation is easily adapted to different areas of use.

The generous filter area ensures a long service life and optimal filtration, while the lockable power cable contributes to increased safety during use.
An integrated operating time meter provides full control over use and service intervals.

For increased functionality, the unit is equipped with a device socket. In addition, the design is stackable.

Part No DC AirCube 600

112600	230V /50Hz, EU
112601	230V /50Hz, UK

1-phase

Scan QR code

Technical data

HxWxD [mm/in]	370x304x430/ 14.57x11.97x16.93
Weight [kg/lb]	10/22
Inlet Ø [mm/in]	200/7.9
Outlet Ø [mm/in]	200/7.9
Flow max, fan 230V (EU/US,CAN) [m³/h/cfm]	600/353.1
Power, fan 230V (EU) [W]	170
Pre-filter area [m²/ft²]	0.2/2.15
HEPA filter area [m²/ft²]	4.47/48.11
Filter class	HEPA H13
Sound level [dB(A)]	0-70

Supplied with (Part No)

HEPA H13 Filter (46378)
Pre-Filter G4 AC600 (46395)





Accessories (Part No)



Ceiling Mounting AC600
(46433)



Funnel Connection D200 AC600
(46429)

Ventilation Kit DC200 AC600
(46434)



Pre-Filter G4
(46395)

HEPA H13 Filter
(46378)

Dustcontrol UK Ltd.
sales@dustcontrol.co.uk
+44 01327 858001

https://dustcontrol.uk

Air Cleaner

DC AirCube 1200

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 1060 m³/h /624 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

103101	230V /50Hz, UK
103102	115V /50Hz, UK

1-phase



Technical data

HxWxD [mm/in]	930x520x650/ 37x21x26
Weight [kg/lb]	23/51
Inlet/Outlet Ø [mm/in]	250/315 10/12.4
Power, fan 115/230 [W]	340/500
Flow max, open inlet 230V [m³/h/cfm]	1060/624
Pre-filter area [m²/ft²]	0.40/4.3
HEPA filter area [m²/ft²]	5/54
Filter class	H13
Sound level [dB(A)]	60-68

Supplied with (Part No)

HEPA H13 filter (42940)
Pre-filter (42918)

Accessories (Part No)

Hose kit (42657)
Bend 90° (42660)

DC AirCube 2000

With a capacity of approximately 1.850 m³/h /1089 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 10 m² /107 ft². An integrated light indicates when it is time to replace the filter.

Part No DC AirCube 2000

103002	230V /50 Hz, UK
103003	115V /50 Hz, UK

1-phase



Technical data

HxWxD [mm/in]	1020x520x650 /40x20x21.5
Weight [kg/lb]	30/66
Inlet/Outlet Ø [mm/in]	315/315 12.4/12.4
Power, fan 115/230 [W]	375/750
Flow max, open inlet 230V [m³/h/cfm] max	1850/1089
Pre-filter area [m²/ft²]	0.6/6.45
HEPA filter area [m²/ft²]	10/107
Filter class	H13
Sound level [dB(A)]	60-68

Supplied with (Part No)

HEPA H13 filter (42896)
Pre-filter (42917)

Accessories (Part No)

Hose kit (42657)
Bend 90° (42660)

Whichever model you choose, you'll make the right choice.

Which of our air cleaners meets your particular needs will depend on the environment in which you work and how large the room is. Regardless which one you choose, you can be sure of getting a heavy-duty professional machine with a HEPA filter.







Technical data	DC AirCube 600	DC AirCube 1200	DC AirCube 2000
HxWxD [mm/in]	370x304x430/ 14.6x12x16.9	930x520x650/ 37x21x26	1020x520x650/ 41x21x26
Weight [kg/lb]	10/22	23/51	30/66
Inlet Ø [mm/in]	200/7.9	250/10	315/14
Outlet Ø [mm/in]	200/7.9	315/14	315/14
Power, fan 115/230 [W]	170	340/500	375/750
Flow max, open inlet 230V [m^3/h/cfm]	600/353.1	1060/624	1850/1089
Pre-filter (G4) area [m^2/ft^2]	0.2/2.15	0.40/4.3	0.6/6.45
HEPA filter (H13) area [m^2/ft^2]	4.47/48.11	5/54	10/107
Filter class	HEPA H13	HEPA H13	HEPA H13
Sound level [dB(A)]	0-70	60-68	60-68







How do I choose the right size air cleaner?

Step 1: What is the size of the space to be placed? (Width x Depth x Height)
Step 2: Type of dust; construction dust (10) or quartz & asbestos (15)?
Step 3: Calculation; multiply step 1 by the correct dust type 10 or 15.
Step 4: Match one or more air cleaners that correspond to the space it will be used in.

Here's how you calculate it:

Example - Construction dust

The volume of the room is (Width x Depth x Height in Meters)
13 x 3 2.5 = 97.5 m^3
Minimum capacity of the air purifier = 10 times x 97.5 m^3 = 975m^3/h

Choice of air cleaner: 1 DC AirCube 1200 or 2 DC AirCube 600

Example - Asbestos particles

To ensure negative pressure and work with asbestos/quartz multiply by 15.
Minimum capacity of air purifier = 15 times x 97.5m^3 = 1463 m^3/h

Choice of air cleaner: 1 DC AirCube 1200 + 1 DC AirCube 600 or 1 DC AirCube 2000



Complete solution with Dust protection door, Hose and an Air Cleaner

Dust Barriers from Dustcontrol:

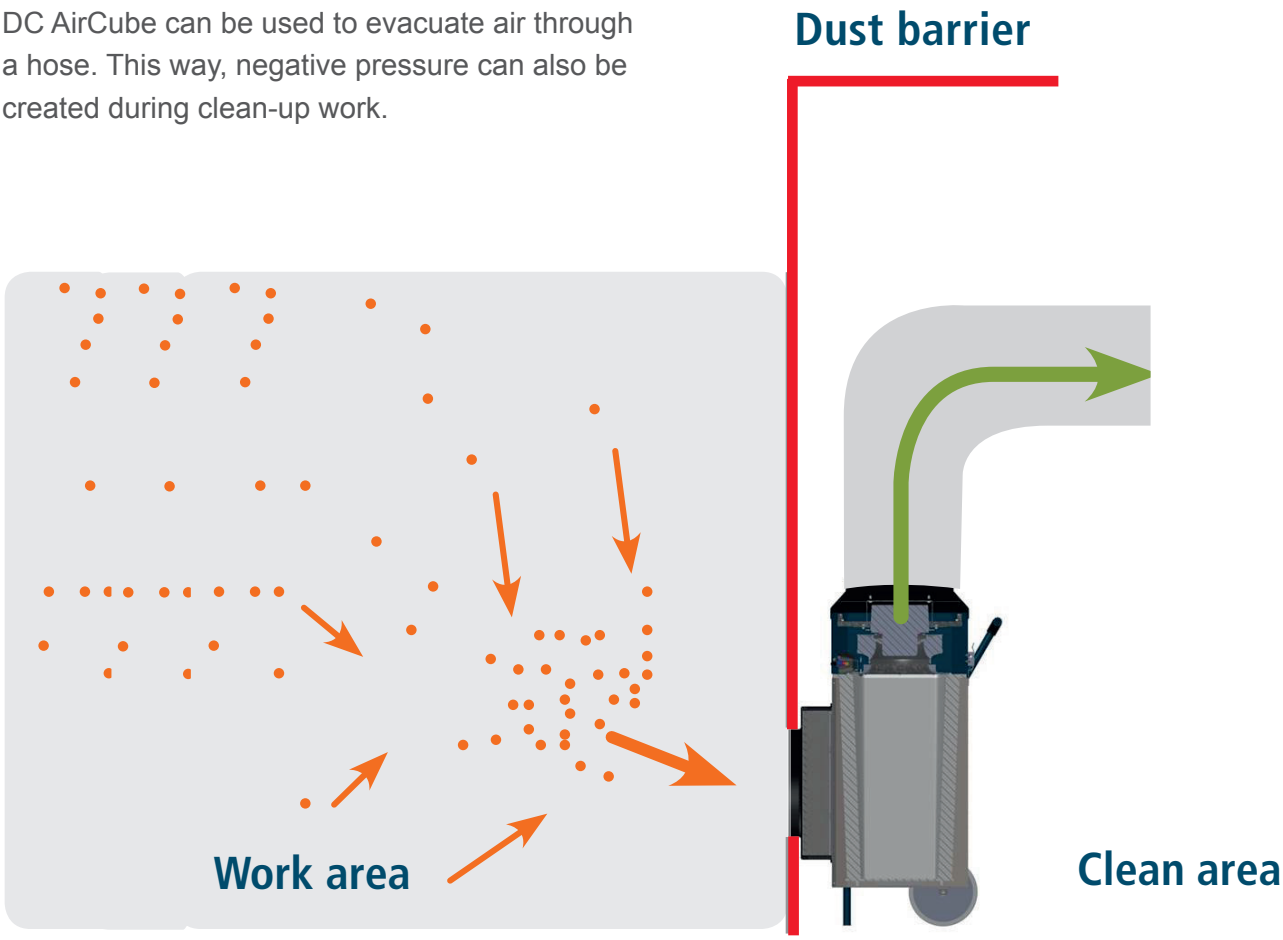
Dust Protection Door Kit Ø200
(Part No 44464)
Suitable for DC AirCube 600

Dust Protection Door Kit Ø250
(Part No 46907)
Suitable for DC AirCube 1200

Dust Protection Door Kit Ø330
(Part No 46908)
Suitable for DC AirCube 2000

Create negative pressure with evacuation of air

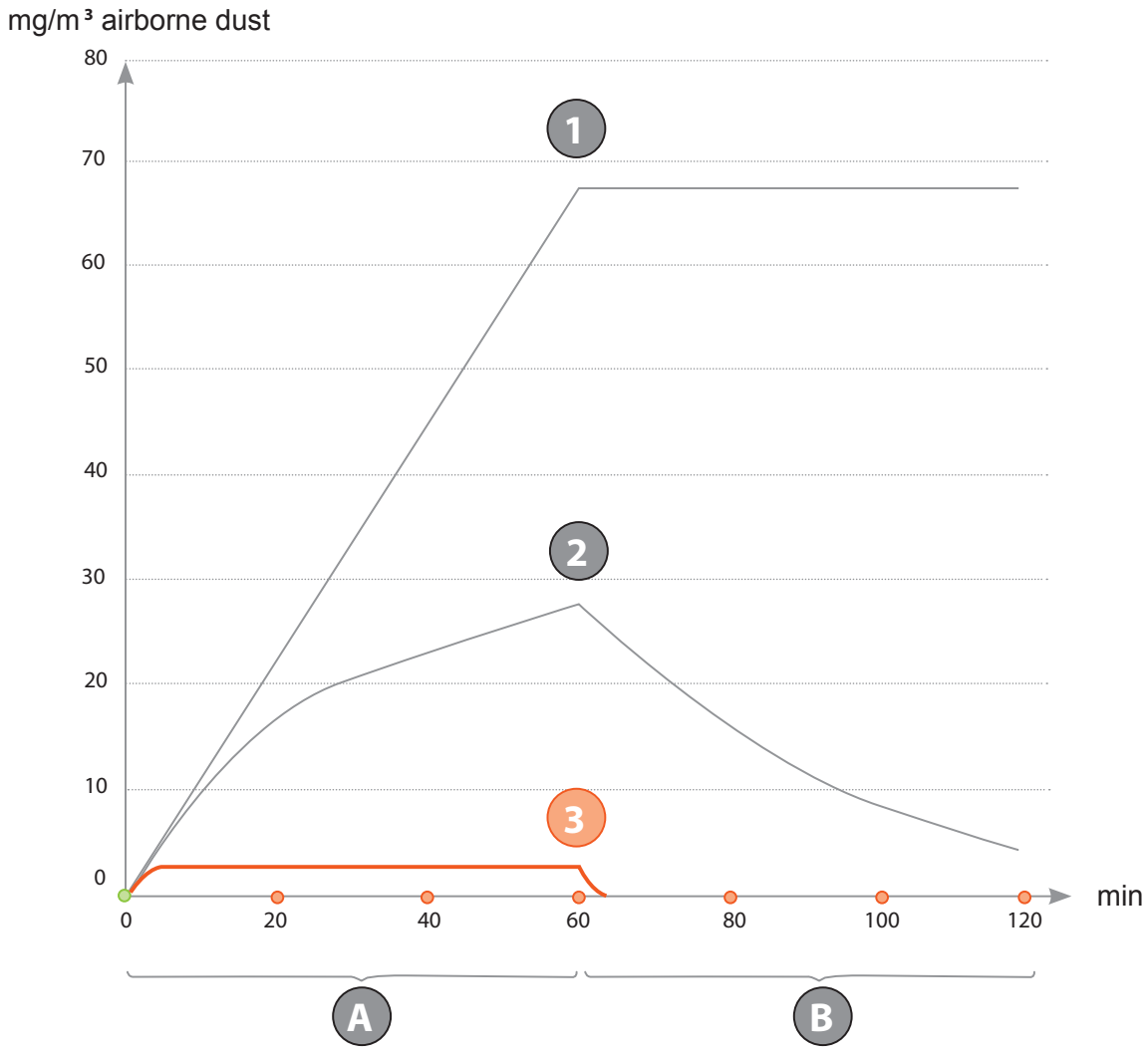
DC AirCube can be used to evacuate air through a hose. This way, negative pressure can also be created during clean-up work.



Example: Renovation of a bathroom

Renovating a bathroom produces airborne dust that is hazardous to health.
The following graph shows the effect of reducing the concentration of the dust (mg/m³) with a DC AirCube 600 air cleaner.

The example pertains to a bathroom measuring 2x3x2.5 m (15 m³) to which 1000 mg/h of airborne dust is added over a period A (60 mins). No pollutants are added during period B (60 mins).



1. No ventilation whatsoever in the room
2. General ventilation with 2 air changes per hour (30 m³/h)
3. Use of air cleaner where Q = 400 m³/**h**
A. 1000 mg/h of airborne dust is added during period A
B. No pollutants are added during period B

Frequently Asked Questions & Answers!

Why is an air cleaner necessary?

Various studies by the building industry, for example, show that the threshold values for hazardous particles in the air are constantly being exceeded, resulting in an unhealthy working environment. A fear of hazardous dust also means that many customers avoid carrying out necessary renovation work. An air cleaner separates the dust effectively and protects both employees and customers.

Is a good dust extractor not enough?

Handheld grinding, cutting and milling tools are some of the major reasons for the spread of dust. A dust extractor with source extraction should always be used during such operations. However, the dust extractor is not able to capture all the particles, in particular those that originate from other diffuse dust sources. The best approach is therefore to use both dust extractors and air cleaners.

Why a HEPA H13 filter?

Hazardous airborne particles, such as silica dust on a construction site, moulds and also flour dust in a bakery, can be encountered as a course of daily working practices. To protect against such particles, you should use a HEPA H13 filter with a degree of separation of not less than 99.995%.

Which air cleaner should I choose?

A basic rule is to multiply the number of cubic metres in a room by 10. For example: If you have a room measuring 40 $m^{3,}$ you will need an air cleaner with a capacity of 10 times 40, i.e. 400 m^3. DC AirCube 600 will be sufficient in this case.

Which areas of work?

• Building environments – in particular decontamination, demolition work, chiselling operations, clearance of fire and water damage, bathroom renovation, replacement of old soundproofing and insulation material, sanding plaster and concrete, mixing concrete and filler, removing old adhesive and jointing compound, etc.

• Bakeries
• Food industry
• Carpentry workshops
• Public buildings, e.g. museums

How hazardous is the dust?

The various airborne and breathable types of dust, for example silica dust, can cause serious damage to the health which can lead to silicosis and cancer. Breathable dust denotes dust particles that have a size smaller than 5 µm. They end up in the lungs, where they cause damage. These are the most hazardous particles, and they are also more difficult to separate than larger particles.

For further advice, contact us by sales@dustcontrol.co.uk



QR code for our DC AirCubes manuals, videos and more!

To scan the codes, you will need to download a QR code reader app. These can be obtained free of charge via the App Store, Play Store or similar platforms.

Scan QR code

Dustcontrol UK Ltd.
sales@dustcontrol.co.uk
+44 01327 858001

https://dustcontrol.uk

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