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 (cfm/m³/h x inwg/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 minimize 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 several 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 thecapacity 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, such as concrete floor grinding, you may require a PTFE or Teflon™ 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 35 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 or Teflon™ treated filter. A pre-separator is also recommended for large floor grinding machines. The DC 3800 Twin with Teflon™ filter or the DC5800 with PTFE filter 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.

Explosive Environments
Not only liquids or 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. NFPA 68 as well as other NFPA regulations stipulate 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 guidlines.

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.)

Type of work

- Chipper
- Reciprocating Saw
- Diamond saw
- Hammer Drill
- Small die grinders
- Circular saw
- Depressed centre disc Ø5″/125
- Cutting disc Ø5″/125
- Wall grinder Ø5″/125
- Sanding disc Ø5″/125
- Orbital sander
- Cleaning Ø1.5″/38
- General cleaning
- Welding, small extraction point

A

- Depressed centre disc Ø7″ & 9″/230
- Cutting disc Ø7″ & 9″/230
- Chasing disc 2 x Ø6″/150
- Chipping tool
- Floor grinding Ø16″–20″/400–500
- Descaling tool
- Straight grinder
- Circular saw
- Reciprocating Saw
- Cleaning Ø2″/50

B

System

Ø1.5″x15′
Ø38 x 5m

Ø1.5″x 6′ +Ø2″x15′
Ø38x2m+Ø50x5m

Ø1.5″x 6′+Ø2″X15′
Ø38x2m+Ø50x5m

Ø1.5″ x 6′ +Ø2″ x15′
Ø38x2m+Ø50x5m

Ø2″ x80′
Ø50x25m

Ø2″x 100′
Ø50x30m

Dust Extractor

DC 1800
DC 2800c
DC 2800c
Rental
DC 2800a
DC 2800 H
Asbestos

DC 3800c turbo
DC 3800i
DC 3800a
DC 3800c
DC 3800 TR S
DC 3800 Stationary
DC 3800c Twin
DC 3800c Twin turbo

DC 5800c/a 5 kW/PTFE/10 HP
DC 5800i 5 kW/10 HP
DC 5800i 7.5 kW 60 Hz
DC 5800 TR
DC 11-Module 5.5 kW/10 HP

DC 3800c turbo
DC 3800i
DC 3800a
DC 3800c
DC 3800 TR S
DC 3800 Stationary
DC 3800c Twin
DC 3800c Twin turbo

DC 5800c/a 5 kW/PTFE/10 HP
DC 5800i 5 kW/10 HP
DC 5800i 7.5 kW 60 Hz
DC 5800 TR
DC 11-Module 5.5 kW/10 HP

Up to 4 from section A
3 from section B

2 from section C
1 from section D

C

- Floor grinding more than Ø 20″ /500
- Depressed centre disc Ø12″ /300
- Cutting disc Ø12″ /300
- Concrete milling tool
- Grinding disc Ø12″ /300
- Brick saw Ø16″ /400
- Suction lance Ø3″ /76
- Cleaning Ø2″ /50

Ø2″x50′+Ø3″x165′
Ø50x15m+Ø76x50m

DC 5800c/a 5 kW/PTFE/10 HP
DC 5800i 5 kW/10 HP
DC 5800i 7.5 kW 60 Hz
DC 5800 TR
DC 11-Module 5.5 kW/10 HP

Ø2″x25′
Ø50x7.5m
+ Preseparator

Ø3″x165′
Ø76x50m
+ Preseparator

DC 5800c 9.2 kW/18.5 HP S
DC 5800i 9.2 kW/18.5 HP S
DC 5800c 12 kW/18.5 HP S 60 Hz

DC 5800c 9.2 kW/18.5 HP S P
DC 5800i 9.2 kW/18.5 HP S P

Suction Lance Ø3″ 76

D

Ø3″ x 25′
Ø76x7.5m
+ Preseparator

DC 5800c 9.2 kW/18.5 HP S
DC 5800i 9.2 kW/18.5 HP S
DC 5800c 12 kW/18.5 HP S 60 Hz

Wet vac

E

Ø38 5 m

DC 25, 50, 75 - W

Classification of dust extractors and HEPA filters

Dust extractors are used to improve the working environment and to reduce levels of hazardous dust to a minimum. For these reasons it is very critical to have an efficient separation of fine dust in the filter system. In our dust extractors we always operate with a fine filter that will separate the largest amount of dust. But to also capture almost 100% of the finest - and most dangerous - particles, we always finish off the design with a HEPA filter.

To guarantee that the filter complies with relevant environment regulations, some common standards are used. They are described in the following.

Test methods
The test methods of current standards for dust extractors and filters are always based on particle counting. By injecting particles before the filter and by monitoring 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 executed in several steps by individually examining the filter media, the complete filter cartridge and in some cases, also the complete unit.

HEPA filters
In the classification of HEPA filters, Dustcontrol uses the strict HEPA standard (EN 1822-1). It is divided into different levels (H10 to H14) depending on filtration efficiency. Dustcontrol applies level H13 which can separate up to 99.95 % of the particles, with a particle size between 0.15 to 0.30 µm. 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) dust extractors are classified into three categories – L for low, M for medium and H for high– where the H category is the most severe (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 working places (MAK) for that type of dust.

The test according to IEC.60335-2-69 consists of two parts.

1. Test of filter system (in our case a fine filter and a HEPA filter). To achieve category H at a separation degree of 99.995%, 90 % of the test particles must be smaller than 1.0 µm. Our fine filters comply with category M and our HEPA filters with category H.
2. Test of assembled unit - in our case this applies to a complete dust extractor. Here it also requires 99.995% efficiency, however 10% of the particles must be smaller than 1.0 µm, 22% smaller then 2.0 µm and 75% smaller than 5.0 µm.

The filter systems of Dustcontrol dust extractors are built to comply with the tough IEC machine classification H.

Comparing notes
- ***A strand of human hair is approx. 100 µm in diameter.***
- ***Particles smaller than 10 µm are not visible by the naked eye.***
- ***A particle of tobacco smoke is on average 0.01 to 1.00 µm.***
- ***Most bacteria are between 0.35 to 10.0 µm.***
- ***Almost all viruses are smaller than 0.03 µm.***

(µm = micron)

The filter mounting system makes it possible to place a containment bag over the unit during filter changes to minimise the potential for dust release.

Dustcontrol uses conical pleated filters in all extraction units. A pleated filter has a very large area in relation to it's physical size. The extraction units can therefore be compact in relation to the filter area they contain.
Only original Dustcontrol filters are tested and approved. Use of non-original spare parts will void the Dustcontrol warranty and dust leaks could occur which may be hazardous to the employee's health.
The filters are certified according to current European requirements for dust extraction. This assures that with correct handling, an optimum filtration is achieved. Follow the instructions concerning the handling of filters so that they can be changed without exposure to hazardous dust.

Classification of our dust extractors

NAME	STANDARD DESIGNATION	CLASSIFICATION	EFFICIENCY	PARTICLE SIZE	EXAMPLE	MAK (Max. Concentration for Workplace)
IEC* standard	IEC 60335-2-69	L =	> 99 %	0.1 - 5.0 µm**	H = 99.995 %	> 1.0 mg/m³
		M =	> 99.9 %			> 0.1 mg/m³
		H =	> 99.995 %			< 0.1 mg/m³ and carcinogenic substances
		H asbestos =	> 99.995 %			< 0.1 mg/m³ and carcinogenic substances incl 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 HEPA filters

NAME	STANDARD DESIGNATION	CLASSIFICATION	EFFICIENCY	PARTICLE SIZE	EXAMPLE
		H10	85 %		
		H11	95 %		
HEPA*	EN 1822-1	H12	99.5 %	MPPS**** between 0.15–0.30 µm	HEPA H13 = 99.95 %
		H13	99.95 %		
DOP**	US IAW MIL-STD 282, 1956)***		99.97 %	0.30 µm	DOP 99.97 %

** High Efficiency Particle Air filter, ** DOP: Dioctyl Phthalate, *** IAW: The Indications, Analysis, and Warnings Program, **** Most Penetrating Particle Size*

** IEC: International Electrotechnical Commission **Part 1: 90 % < 1.0 µm Part 2: 10 % < 1.0 µm, 22 % < 2.0 µm, 75 % < 5.0 µm*

Single-Phase Dust Extractors

All the single-phase dust extractors in this chapter are equipped with a fine filter and a HEPA filter (H 13). Filter cleaning is achieved with a reverse air pulse cleaning system which is very effective, done without release of collected dust and the unit does not need to be disassembled. The filter system also allows for ergonomic and dust-free filter changes.

DC 1800 – no light-weight but only 10 kg/22 lbs!

The DC 1800 is suitable for general cleaning and source extraction from handheld power tools (with up to 5" suction casings) and small table saws. The DC 1800 is small, lightweight and ideal for those that need a highly portable machine that is powerful enough for source extraction. With its low weight, it is easy to carry onto the job site and can be easily stored or rolled under a workbench. The sturdy construction is perfect for the demands of the construction and machine rental industry, but also for anyone that needs a light yet powerful dust extractor. The DC 1800 is equipped with a steel container and a plastic bag is used inside the container.

DC 1800 Autostart: Connect the subject electric tool to the electrical outlet on unit. Set the selector switch to the AUTO position. The unit will start automatically when the subject tool is started.

*Part No **1343430C30** 230 V, 50 Hz*
*Part No **1343450C30** 230 V, 50 Hz, UK*
*Part No **1343310C30** 115 V, 50 Hz, UK*
*Part No **1343320CF0** 115 V, 60 Hz, US/CAN*
*Part No **1343430C31** 230 V, 50 Hz Auto start*
*Part No **1343350C31** 230 V, 50 Hz Auto start, UK*
*Part No **1343310C31** 115 V, 50 Hz Auto start, UK*
*Part No **1343320CF1** 115 V, 60 Hz Auto start, US/CAN*
*Part No **1343440C30** 230 V, 50 Hz, DK*
*Part No **1343440C31** 230 V, 50 Hz Auto start, DK*

A highly portable machine, powerful enough for source extraction and effective vacuum cleaning.

DC 1800

The DC 1800 is delivered with the following:

- *Suction hose (Ø 38) 5 m (Part No 2105)*
- *Antistatic hose set Ø 1.5"/38 mm x 15'/5m (Part Nos 2012+2108+2114)*
- *Aluminium floor tool B 370, 1.5"/38 mm (Part No 7235)*
- *Chrome steel wand Ø 1.5" /38 mm (Part No 7257)*
- *Plastic sacks (Part No 42291)*
- *Basket for plastic sack (Part No 42369)*
- *Fine filter, cellulose (Part No 42029)*
- *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 1800

Weight, lbs/kg	22/10
Max Q, cfm/m³/h	114/190
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max 115/230 V	1 200/1 400 W
Sound level	68 dB(A)

DC 2800 – The professionals favourite

The DC 2800 is our most popular dust extractor. It is suitable for vacuum cleaning and source extraction from handheld power tools (with up to 5" suction casings) and small table saws. The DC 2800 has a sturdy steel chassis with big wheels, but is still lightweight and portable. The DC 2800 can be ordered with a plastic bag (DC 2800c) or with a steel container (DC 2800a). Collection in a steel container makes the DC 2800a ideal for use with sharp items such as metal chips.

DC 2800 Autostart: Connect the subject electric tool to the electrical outlet on unit. Set the selector switch to the AUTO position. The unit will start automatically when the subject tool is started.

DC 2800a (with barrel)
*Part No **1344430GF0** 230 V, 50 Hz*
*Part No **1344450GF0** 230V, 50 Hz, UK*
*Part No **1344310GF0** 115 V, 50 Hz, UK*
*Part No **1344320GF0** 115 V, 60 Hz, US/CAN*
*Part No **134440GF0** 230 V, 50 Hz, DK*
*Part No **1344430GF1** 230 V, 50 Hz, Auto start*

DC 2800c (with sack)
*Part No **1314430230** 230 V, 50 Hz*
*Part No **1314450230** 230 V, 50 Hz, UK*
*Part No **1314310230** 115 V, 50 Hz, UK*
*Part No **13143202F0** 115 V, 60 Hz, US/CAN*
*Part No **1314430231** 230 V, 50 Hz, Auto start*
*Part No **1314450231** 230 V, 50 Hz, Auto start,UK*
*Part No **1314310231** 115 V, 50 Hz, Auto start, UK*
*DPart No **13143202F1** 115 V, 60 Hz, Auto start, US / CAN*
*Part No **1314440230** 230 V, 50 Hz, DK*
*Part No **1314440231** 230 V, 50 Hz, Auto start, DK*

DC 2800a

DC 2800c

DC 2800a

The DC 2800a is delivered with the following:
- *Antistatic hose set Ø 1.5"/38 mm x15'/5m (Part Nos 2012+2108+2114)*
- *Aluminium floor tool B370" Ø1.5"/ 38 mm (Part No 7235)*
- *Chrome steel wand Ø1.5"/38 mm (Part No 7257)*
- *Container 10.5 gal./40l (Part No 40070)*
- *Fine filter, polyester (Part No 42028)*

– *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 2800a

Weight, lbs/kg	42/19
Max Q, cfm/m³/h	114/190
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max115/230 V	1200/1400 W
Sound level	68 dB(A)

DC 2800c

The DC 2800c is delivered with the following:
- *Suction hose (Ø 38) 5 m (Part No 2105).*
- *Antistatic hose set Ø 1.5"/38mm x15'/5m (Part Nos. 2012+2108+2114)*
- *Aluminium floor tool B 370 Ø1.5" /38mm (Part No 7235)*
- *Chrome steel wand Ø 1.5"/38mm (Part No 7257)*
- *Plastic sacks (Part No 4814, 5 pcs)*
- *Fine filter, cellulose (Part No 42029)*
- *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 2800c

Weight, lbs/kg	31/14
Max Q, cfm/m³/h	114/190
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max115/230 V	1200/1400 W
Sound level	68 dB(A)

DC 2800c Rental – Perfect for the hire industry

The DC 2800c Rental is basically a DC 2800c equipped with an operation timer and inlet plug for the negative pressure gauge (Part no. 8260). Therefore, construction rental companies can record the total usage of their machines and change filters at the right time.

*Part No **13244K0230** 230 V 50 Hz Auto start*
*Part No **1324350231** 230 V, 50 Hz Auto start, UK*
*Part No **1324310231** 115 V, 50 Hz Auto start, UK*
*Part No **13243202F1** 115 V, 60 Hz Auto start, US/CAN*

DC 2800c Rental

The DC 2800c Rental is delivered with the following:

- *Suction hose (Ø 38) 5 m (Part No 2105)*
- *Floor nozzle B 370/38 (Part No 7235)*
- *Suction pipe Ø 38 (Part No 7257)*
- *5 pcs plastic sacks (Part No 4814)*
- *Fine filter, cellulose (Part No 42029)*
- *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 2800c Rental

Weight	14 kg
Flow at open inlet	190 m³/h
Neg pressure max, 115/230 V	21/24 kPa
Power consumption,115/230 V	1 200/1 400 W
Noise level	68 dB(A)

DC 2800 H Asbestos – Safe asbestos removal

The DC 2800 H Asbestos meets the highest demands in some countries and is certified by BIA. Asbestos is a hazardous material that should be removed with caution. The dust extractor is equipped with antistatic hose, a plug for the cyclone inlet, orange plastic bags and other safety precautions. Don't compromise your health when removing Asbestos!

DC 3800 H Asbestos and DC 5800 H Asbestos are available on special order. Please contact Dustcontrol for more information.

*Part No **117900** 230 V, 50 Hz*

DC 2800 H Asbestos

The DC 2800 H Asbestos is delivered with the following:

- *Suction hose (Ø 38), antistatic, 5 m (Part No 2012)*
- *Floor nozzle B 370/38 (Part No 7235)*
- *Suction pipe Ø 38 (Part No 7257)*
- *5 pcs plastic sacks (Part No 42285)*
- *Combi filter (Part No 40479)*

TECHNICAL DATA – DC 2800 H Asbestos

Weight	19 kg
Flow at open inlet	190 m³/h
Neg pressure max, 115/230 V	21 kPa
Power consumption,115/230 V	1 200 W
Noise level	70 dB(A)

DC 3800 – Medium sized dust extractor with two motors

The DC 3800 is a medium sized dust extractor with an efficient cyclone and twin single-phase motors. The dust extractor is suitable for cleaning and for source extraction from small and medium sized power tools such as grinders, jack hammers, and saws. Thanks to the cyclone, large filter areas and powerful motor package it can handle large amounts of debris. Suitable suction casings are: sanders, grinders and diamond disc casings up to 9"/225 mm as well as rubber boot and bellows for chisel hammers, drills and descaling hammers (part nos. 6078 & 6130). The DC 3800 can be ordered with a plastic bag (DC 3800c) or a steel container (DC 3800a). Collection in a steel container is ideal for sharp materials such as metal chips. The DC 3800 has from the month of April 2009 soft-start installed as standard. Soft-start prevents fuses to trigger. Soft-start makes it possible to connect the machine to a power outlet of 10A with slow fuses.

DC 3800a (with barrel)
*Part No **1345GK0GB0** 230 V, 50 Hz*
*Part No **1345GM0GB0** 230 V, 50 Hz, UK*
*Part No **13453100B0** 115 V, 50 Hz, UK*
*Part No **13453200B0** 115 V, 60 Hz, US/CAN*
*Part No **1345GL0GB0** 230 V, 50 Hz, DK*

DC 3800c (with sack)
*Part No **1315GK06A0** 230 V, 50 Hz*
*Part No **1315GM06A0** 230 V, 50 Hz, UK*
*Part No **13155106A0** 115 V, 50 Hz, UK*
*Part No **13155206B0** 115 V, 60 Hz, US/CAN*
*Part No **1315G106A0** 230 V, 50 Hz, DK*

DC 3800a

DC 3800c

DC 3800a

The DC 3800a is delivered with the following:
- *Antistatic hose set Ø 2"/50 mm x 15' /5m. (Part Nos 2013+2107+2129)*
- *Aluminium floor tool B500 Ø2"/ 50 mm, (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *Container 10.5 gal/40l (Part No 40070*
- *Fine filter, polyester (Part No 42025)*
- *HEPA filter (Part No 42024)*

TECHNICAL DATA – DC 3800a

Weight, lbs/kg	84/38
Max Q, cfm/m³/h	192/320
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max 115/230 V	2 100 W/2 800 W
Sound level 115/230 V	75/70 dB(A)

DC 3800c

The DC 3800c is delivered as standard with the following:
- *Suction hose 5 m, Ø 50 (Part No 2401+2129+2107)*
  *Part No **13155206B0:** Antistatic hose set Ø 2" /50mm x 15'/5m (Part Nos 2013+2107+2129)*
- *Aluminium floor tool B500 Ø2"/ 50 mm (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *5 plastic sacks (Part No 4314)*
- *Fine filter, polyester (Part No 42025),*
- *HEPA filter (Part No 42024)*

TECHNICAL DATA – DC 3800c

Weight, lbs/kg	77/35
Max Q, cfm/m³/h	192/320
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max 115/230 V	2 100 W/2 800 W
Sound level 115/230 V	75/70 dB(A)

DC 3800c Twin – With integrated pre-separator

The DC 3800c Twin is a portable but very powerful dust extractor suitable for large quantities of dust due to its integrated pre-separator. It is particularly suitable for concrete grinding since 80–90% of the coarse materials are separated in the pre-separator. The remaining dust goes into the filter cyclone. The 3800c Twin is a popular machine since it is powerful enough for most applications yet it can be easily moved and transported. The air flow capacity is suitable for concrete floor grinding machines with diamond discs of up to 500 mm/20" diameter.

*Part No **13D5GK06G0** 230 V, 50 Hz*
*Part No **13D5GM06G0** 230 V, 50 Hz, UK*
*Part No **13D55106G0** 115 V, 50 Hz, UK*
*Part No **13D55206G0** 115 V, 60 Hz, US/CAN*
*Part No **13D5GL06G0** 230 V, 50 Hz, DK*

DC 3800c Twin

The DC 3800c Twin is delivered as standard with the following:

- *Antistatic hose set Ø 2"/50 mm x 25'/7,5m (Part Nos 2013, 2129, 2107)*
- *Aluminium floor tool B500 (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *Plastic sacks (Part No 4314)*
- *Fine filter, polyester (Part No 42025)*
- *HEPA filter (Part No 42024)*

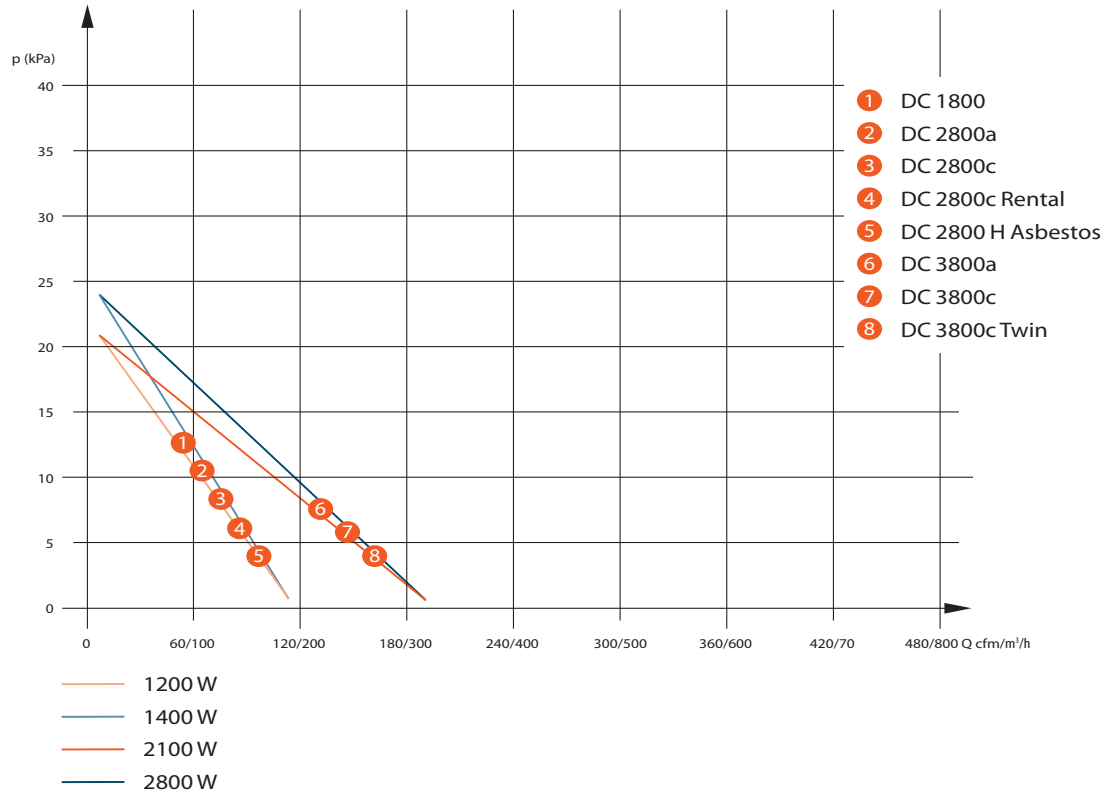
TECHNICAL DATA – DC 3800c Twin

Weight, lbs/kg	120/54
Max Q, cfm/m³/h	192/320
Max vacuum, inwg/kPa 115/230 V	84/21/24
Power consumption max 115/230 V	2 100 W/ 2 800 W
Sound level 115/230 V	75/70 dB(A)

Two cyclones. One removes the coarse material, the other the fine dust - maximizing productivity and filter life - DC 3800c Twin.

DC 3800a

Capacity



TECHNICAL DATA	DC 1800	DC 2800a/c	DC 2800c Rental	DC 2800 H Asbestos	DC 3800a/c	DC 3800c Twin
H x W x L, in/cm	30 x 15 x 15/74 x 38 x 38	44 x 18 x 22/111 x 44 x 55 42 x 17 x 21/107 x 42 x 51	42 x 17 x 16/ 107x 42 x 40	42 x 17 x 22/ 106 x 44 x 55	58 x 24 x 28/145 x 60 x 70 54 x 24 x 28/138 x 60 x 70	58 x 26 x 28/145 x 65 x 70
Weight	22 lbs/10 kg	42/31 lbs/19/14 kg	31 lbs/14 kg	42 lbs/19 kg	84/77 lbs/38/35 kg	119 lbs/54 kg
Inlet, (nom.)	Ø 2"/50 mm	Ø 2"/50 mm	Ø 2"/50 mm	Ø 2"/50 mm	Ø 2"/50 mm	Ø 2"/50 mm
Hose length max recommended	15'/5 m (Ø 1.5"/38 mm)	15'/5 m (Ø 1.5"/38 mm)	15'/5 m (Ø 1.5"/38 mm)	15'/5 m (Ø 1.5"/38 mm)	15'-30'/5 -10 m (Ø 2"/50 mm)	15'-65'/5-20 m (Ø 2"/50 mm)
Max flow, cfm/m³/h	114/190	114/190	114/190	114/190	192/320	192/320
Max vacuum, inwg/kPa 115/230 V	84/21/24	84/21/24	84/21/24	84/21 kPa	84/21/24	84/21/24
Motor power/Nameplate 115/230 V	1 200/1 400 W	1 200/1 400 W	1 200/1 400 W	1 200 W	2 100 W/2 800 W	2 100 W/2 800 W
AUTO: Power consumtion connected tool */ min 200 W						
• 230 V/10 A	1 200 W	1 200 W	-	-	-	-
• 230 V/16 A	2 200 W	2 200 W	-	-	-	-
• 120 V/20 A	1 200 W	1 200 W	-	-	-	-
Fine Filter area, ft² /m²	16.2/1.5	16.2/1.5	16.2/1.5	16.2/1.5	19.5/1.8	19.5/1.8
Filtration Efficiency, Fine Filter						
• EN 60335-2-69, Class M	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %
HEPA Filter area, ft² /m²	9.2/0.85	9.2/0.85	9.2/0.85	9.2/0.85	16.2/1.5	16.2/1.5
Filtration Efficiency						
• HEPA Filter EN 1822-1	HEPA H13	HEPA H13	HEPA H13	HEPA H13	HEPA H13	HEPA H13
• EN 60335-2-69, Class H	99.995 %	99.995 %	99.995 %	99.995 %	99.995 %	99.995 %
Collection container/sack	4 gal/15 l	10.5 gal/40 l(a)/5 gal/20 l(c)	5 gal/20 l	10.5 gal/40 l	10.5 gal/40 l(a)/5 gal/20 l(c)	2 x 10.5 gal/2 x 40 l
Sound Level 115/230 V	68 dB(A)	68 dB(A)	68 dB(A)	70 dB(A)	75/70 dB(A)	75/70 dB(A)

*/Always check with local regulations.

Three-Phase Dust Extractors

Our three-phase machines are used for heavy materials where higher vacuum generation is required. The vacuum producer is a turbo pump, directly driven by a three-phase motor. Our dependable turbo pump units have minimal service requirements and long service life. The performance characteristic of the turbo pump is well suited for heavy cleaning and material transportation. The turbo pump generates more vacuum as the resistance increases.

DC 3800c Turbo – The professional dust extractor for continous operation

The DC 3800c Turbo is a medium sized dust extractor that has a tall cyclone and a three-phase motor. This dust extractor is suitable for longer hoses (up to 65'/20 m), heavy cleaning (1.5"/38 mm accessories) and for source extraction from medium sized power tools such as grinders, jack hammers, and saws. Thanks to the tall cyclone, large filters and powerful motor package, it can handle large amounts of debris. Suitable casings are: sanding, grinding and diamond disc casings up to 9"/225 mm as well as rubber suction bellows for chisel hammers, drills and de-scaling hammer. (Part Nos 6078 & 6130).

*Part No **13156A06K0** 400 V, 50 Hz, 2.5 kW*
*Part No **13156P06J0** 230/460 V, 60 Hz, 4 HP US/CAN*
*Part No **13156G06J0** 600 V, 60 Hz, 4 HP CAN*

A well balanced machine for very easy handling

DC 3800c Turbo

The DC 3800c Turbo is delivered as standard with the following:

- ***13156A06K0;** Hose set total 7 m (5 m Ø 50 and 2 m Ø 38) (Part No 2125)*
- ***13156P06J0, 13156G06J0;** 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) (Part No 2126)*
- *Aluminium floor tool B450, Ø 1.5"/38 mm (Part No 7236)*
- *Chrome steel wand Ø1.5"/38 mm (Part No 7257)*
- *5 plastic sacks (Part No 4314)*
- *Fine filter, polyester (Part No 42025)*
- *HEPA filter (Part Nr 42024)*

TECHNICAL DATA – DC 3800c Turbo

Weight, lbs/kg	137/62
Max Q, cfm/m³/h	156/260
Max vacuum, inwg/kPa (115/230 V)	120/30
Motor Nameplate (115/230 V)	2.5 kW/ 4 HP
Sound level (115/230 V)	75/70 dB(A)

DC 3800c Twin Turbo – 3-phase dependability in a portable package

The DC 3800c Twin Turbo is a portable but very powerful dust extractor suitable for large quantities of dust due to its integrated pre-separator. It is particularly suitable for long hoses (up to 65'/20 m) and heavy concrete grinding. Up to 80-90% of the coarse material is separated in the pre-separator and the remaining dust enters the filter cyclone.

*Part No **13D56A06G0** 400 V, 50 Hz, 2,5 kW*
*Part No **13D5BC06G0** 230/460 V, 60 Hz, 4 HP US/CAN*
*Part No **13D5BG06G0** 600 V, 60 Hz, 4 HP CAN*

DC 3800c Twin Turbo

The DC 3800c Twin and the DC 3800c Twin Turbo is delivered as standard with the following:

- *Antistatic hose set 23'/7,5m Ø 2"/ 50 mm (Part Nos 2013, 2129, 2107)*
- *Aluminium floor nozzle B500" Ø 2"/50 mm. (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *Plastic sacks (Part No 4314)*
- *Fine filter, polyester (Part No 42025)*
- *HEPA filter (Part No 42024)*

TECHNICAL DATA – DC 3800c Twin Turbo

Weight, lbs/kg	179/81
Max Q, cfm/m³/h	156 /260
Max vacuum, inwg/kPa (115/230 V)	120/30
Motor Nameplate (115/230 V)	2.5 kW/4 HP
Sound level (115/230 V)	75 dB(A)

DC 5800 – A powerful dust extractor

All DC 5800's are very powerful and dependable portable dust extractors. These units are built on a robust and sturdy steel chassis for maximum durability on construction sites. With a direct driven three-phase turbo pump, the DC 5800 is suitable for continuous operation, heavy material transport, source extraction and cleaning. The DC 5800 will give sufficient airflow for several users at the same time and it can also be used as a semi-mobile central unit on a tubing system. It is suitable for source extraction with grinding disks up to 30"/750 mm in diameter.

DC 5800a/c 5 kW – Get rid of large quantites of dust

The standard DC 5800c 5 kW/10 HP is used for big hand held power tools and heavy duty cleaning on construction sites. The dust extractor is suitable for two smaller handheld power tools or one larger tool, such as a floor grinder, with a disk of up to 30"/750 mm. The DC 5800a 5 kW/10 HP is similar to the DC 5800c except that it is equipped with a steel container.

DC 5800a
*Part No **114401** 400 V, 50 Hz*

DC 5800c
*Part No **115801** 400 V 50 Hz, 5 kW*
*Part No **115807** 230 V 50 Hz, 5.5 kW*
*Part No **115832** 460 V 60 Hz, 10 HP USA/CAN*
*Part No **115831** 600 V 60 Hz, 10 HP CAN*

DC 5800a

The DC 5800a 5 kW is delivered as standard with the following:

- *Antistatic hose set 23'/7 m Ø 2"/50 mm (Part Nos 2013 +2008+2129)*
- *Aluminium floor tool B500 Ø 2" / 50 mm (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *HEPA filter (Part No 4422)*
- *Fine filter polyester(Part No 429204)*

DC 5800c

The DC 5800c 5 kW (5.5 kW, 10 HP) is delivered as standard with the following:

- *5, 5.5 kW: 7.5 m suction hose Ø 50 (Part No 2401 + 2008 + 2107)*
- *10 HP: Antistatic hose set 23'/7 m Ø 2"/50 mm (Part No 2013 + 2008 + 2107)*
- *Aluminium floor tool B500 Ø 2" / 50 mm (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *5 plastic bags (Part no 4614)*
- *HEPA filter (Part No 4422)*
- *Fine filter polyester (Part No 429204)*

TECHNICAL DATA – DC 5800a/c

Weight, lbs/kg	ca 375/170
Max Q, cfm/m³/h	285/475
Max vacuum, inwg/kPa	120/30
Motor Nameplate	5 kW/10 HP
Sound level	75 dB(A)

DC 5800c 9.2 kW/18.5 HP S – Suitable for material transport

The DC 5800c 9.2 kW/18.5 HP S has an extremely strong vacuum effect and is therefore optimised for very long hose lengths. It is generally used in different types of material transport systems and for heavy cleaning where the coarse material is separated in a pre-separator.

*Part No **115847** 400 V, 50 Hz, 9,2 kW*
*Part No **115872** 460 V, 60 Hz, 18.5 HP US/CAN*
*Part No **115871** 600 V, 60 Hz, 18.5 HP CAN*

DC 5800c 9.2 kW P – Ideal for semi-mobile systems with many extraction points

The DC 5800c 9.2 kW P generates an extremely large amount of air flow and is therefore optimal for many extraction points. It is generally used in semi-mobile extraction systems where the machine is conveniently placed in a central location and connected to a hose or tubing system. Maximum efficiency is maintained with up to four simultaneous users.

*Part No **115851** 400/690 V, 50 Hz, 9,2 kW*

DC 5800 PTFE – Perfect for concrete grinding

The DC 5800 PTFE is a joint development project together with a market leading concrete floor grinding machine manufacturer. It is especially suited to managing the large volumes of concrete dust generated during floor grinding. The machine is equipped with a pleated PTFE filter cartridge (Teflon™ filter) with a large filter area (54 ft²/5 m²) to maximize airflow. The PTFE material reduces the tendancy of the fine dust to adhere to the filter. As a result, it allows continuous operation of today's highly efficient concrete floor grinders. Floor grinding is definitely one of the toughest applications for a construction dust extractor. This means that high demands are made on the filters and the equipment used to collect the dust.

The DC 5800a PTFE and DC 5800c PTFE models provide optimal performance with concrete grinding discs of up to 40"/1000 mm. The DC 5800a is equipped with a 20 gal/75 l steel container, while the DC 5800c PTFE has a plastic sack. Dustcontrol strongly recommends the use of a pre-separator for maximum efficiency in floor grinding applications

*Part No **116701** DC 5800a PTFE 400 V, 50 Hz, 5 kW**
*Part No **116601** DC 5800c PTFE 400 V, 50 Hz, 5 kW***
*Part No **116735** DC 5800c PTFE 230/460 V, 60 Hz, 10 HP US/CAN***

*Part No **115853** DC 5800c PTFE 400 V, 50 Hz, 9.2 kW P***

** 75 l container, Part No 7368*
*** 60 l sack*

DC 5800c 9.2 kW/18.5 HP S

The DC 5800c 9.2 kW/18.5 HP S is delivered as standard with the following:
- *5 plastic sacks (Part No 4614)*
- *HEPA filter (Part No 4422)*
- *Fine filter, polyester (Part No 429204)*

DC 5800c 9.2 kW/ 18.5 HP P

The DC 5800c 9.2 kW/18.5 HP P is delivered as standard with the following:
- *5 plastic sacks*
- *2 HEPA filters (Part No 4017)*
- *Fine filter, polyester (Part No 4292)*

DC 5800a/c PTFE

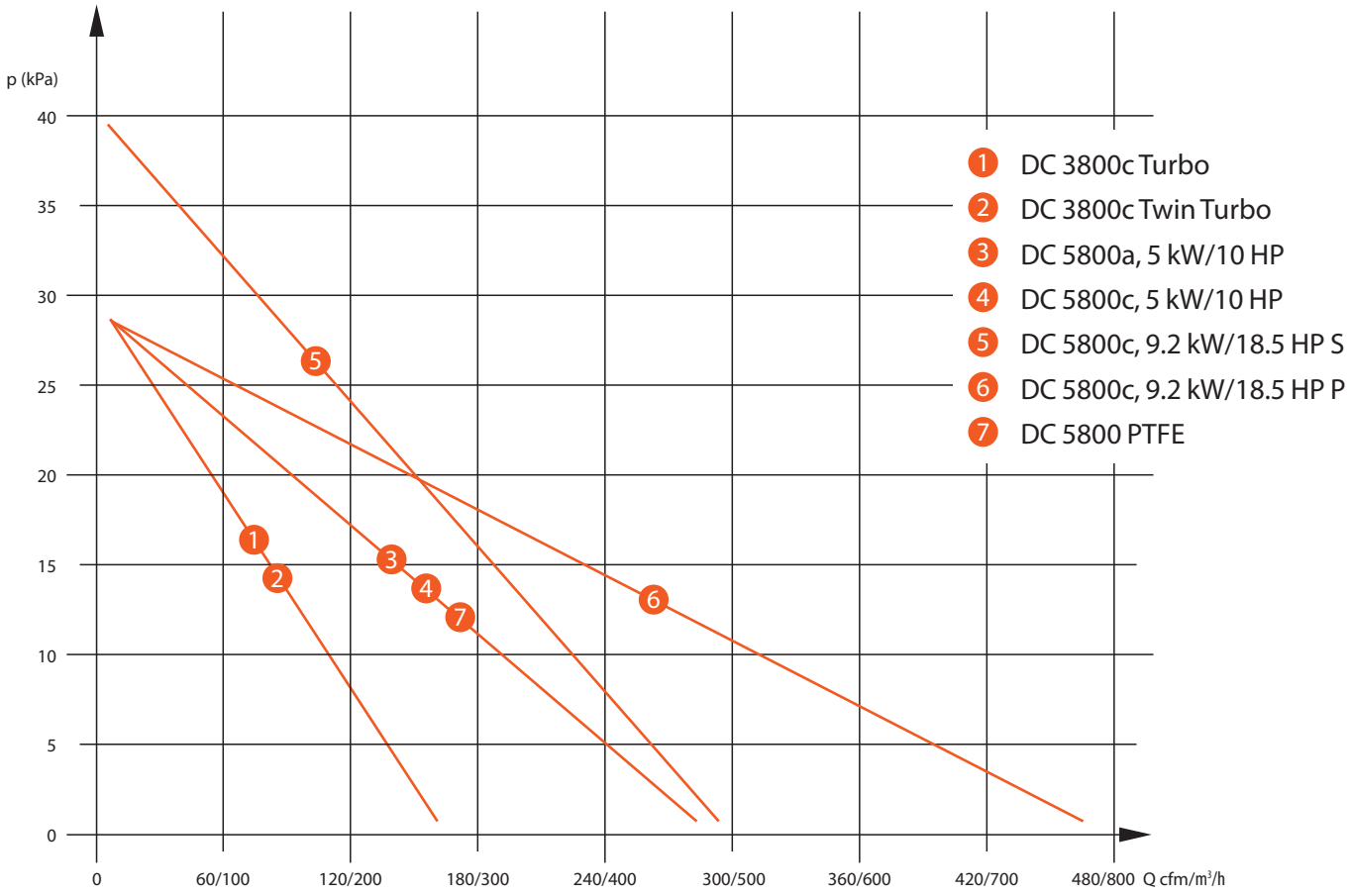
The DC 5800a/c PTFE 5 kW/ 10 HP is delivered as standard with the following:
- *Antistatic hose set 25'/7.5 m Ø 2" / 50 mm (Part Nos 2013 + 2008 + 2107)*
- *Aluminium floor tool B500 Ø 2"/ 50 mm (Part No 7238*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *For DC 5800c: 5 plastic sacks (Part No 4614)*
- *HEPA filter (Part No 4422)*
- *Fine filter polyester PTFE teflon (Part No 429203)*

DC 5800 PTFE is available with a plastic sack

TECHNICAL DATA	DC 5800c 9.2 kW/18.5 HP S	DC 5800c 9.2 kW P1/	DC 5800 PTFE
H x W x L	72 x 31 x 46 in/180 x 76 x 115 cm	72 x 31 x 46 in/180 x 76 x 115 cm	77 x 31 x 42 in/192 x 76 x 105 cm
Weight	ca 440 lbs/200 kg	ca 465 lbs/210 kg	ca 395 lbs/180 kg
Max Q	300 cfm/500 m³/h	480 cfm/800 m³/h	285 cfm/470 m³/h
Max vacuum	160 inwg/40 kPa	100 inwg/28 kPa	120 inwg/30 kPa
Motor Nameplate	9.2 kW/18.5 HP	9.2 kW	5 kW/10 HP
Sound level	75 dB(A)	75 dB(A)	75 dB(A)

1/ Also Part No 115853

Capacity

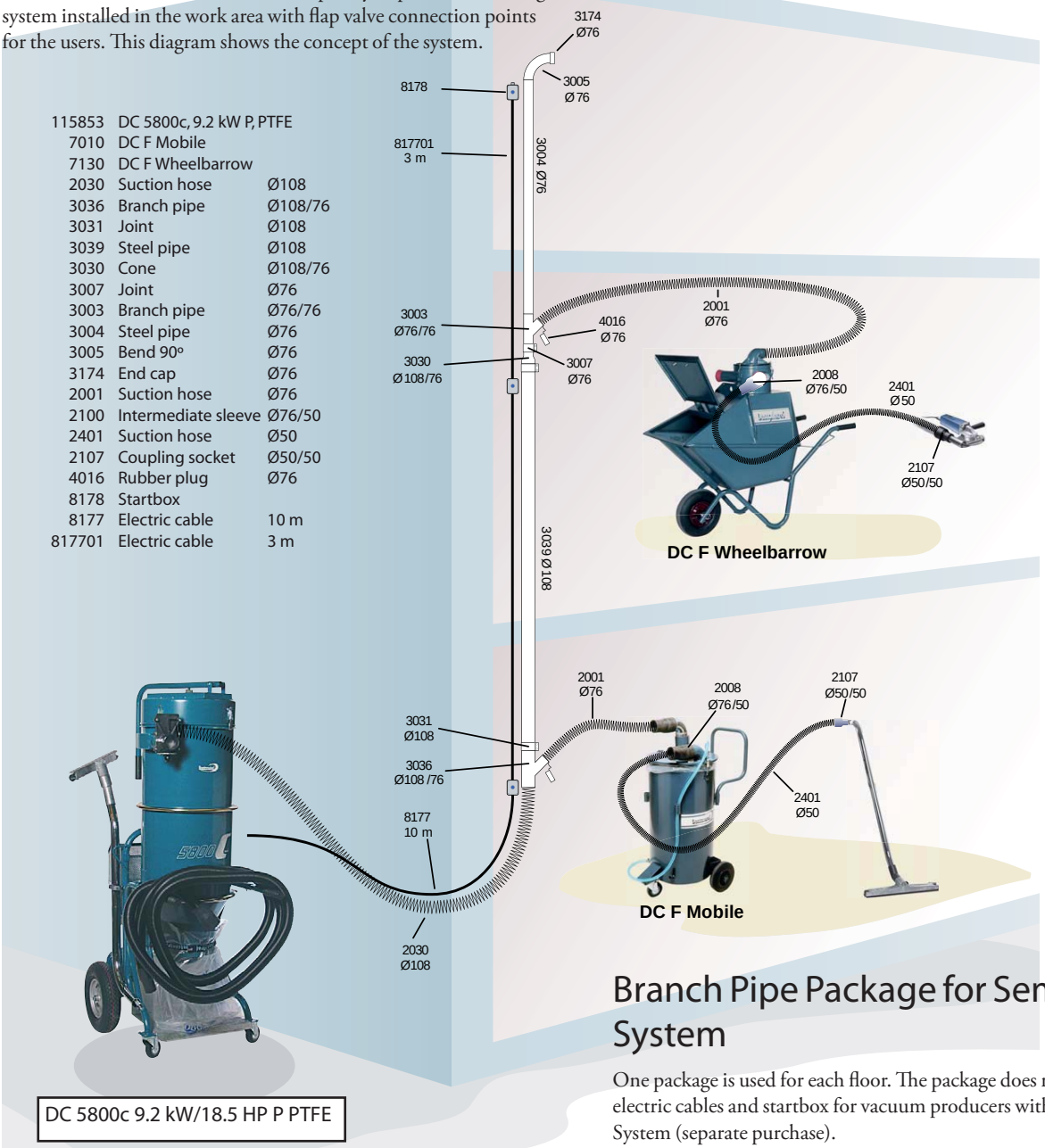


TECHNICAL DATA	DC 3800c Turbo	DC 3800 Twin Turbo	DC 5800a 5 kW/10 HP	DC 5800c 5 kW/10 HP	DC 5800c 9.2kW/18.5 HP S	DC 5800c 9.2 kW/18.5 HP P	DC 5800 PTFE
H x W x L, in/cm	55x24x39/140x60x97	56x2639/140x60x97	77x31x40/192x76x100	77x 31x 40/192x76x100	71x31x46/180x76x115	71x 31x 46/180x76x115	77x31x 42/192x76x115
Weight, lbs/kg	137/62	179/81	375/170	375/170	ca 440/200	ca 465/210	ca 395/180
Inlet, (nom)	X 2"/50 mm	X 2"/50 mm	Ø 3"/76 mm	Ø 3"/76 mm	Ø 3"/76 mm	Ø 4.25"/108 mm	Ø 3"/76 mm
Max hose rec'd, Ø 2"/50 mm	15'–50'/5 - 15 m	15'–60'/5 - 20 m	15'–100'/5 - 30 m	15'–100'/5 - 30 m	15'–165' /5 - 50 m	15'–100'/5 - 30 m	15'–100'/5 - 30 m
Max Q, cfm/ m³/h	156/260	156/260	285/475	285/475	300/500	480/800	285/475
Max vacuum, inwg/kPa (115/230 V)	120/30	120/30	120/30	120/30	160/40	96/24	120/30
Motor Nameplate (115/230 V)	2.5 kW/4 HP	2.5 kW/4 HP	5 kW/10 HP	5 kW/10 HP	9.2 kW/18.5 HP	9.2 kW/18.5 HP	5 kW/18.5 HP
Filter Filter area, ft² /m²	19.5/1.8	19.5/1.8	90.4/8.4	90.4/8.4	90.4/8.4	90.4/8.4	53.8/5
Filtration efficiency Fine Filter	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %	99.9 %
EN 60335-2-69, Class M							
Filter area HEPA, ft² /m²	16.2/1.5	16.2/1.5	26.9/2.5	26.9/2.5	26.9/2.5	53.8/5	26.9/2.5
Filtration efficiency HEPA Filter							
EN 1822-1	HEPA H13	HEPA H13	HEPA H13	HEPA H13	HEPA H13	HEPA H13	HEPA H13
EN 60335-2-69, Class H	99.995 %	99.995 %	99.995 %	99.995 %	99.995 %	99.995 %	99.995 %
Collecting Volume	10.5 gal/40 l	2 x 10.5 gal/40 l	19.5 gal/75 l	15.5 gal/60 l	15.5 gal/60 l	15.5 gal/60 l	15.5/19.5 gal/60 l/75 l
Sound level (115/230 V)	75/70 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)

DC 5800 Semi Mobile System

The DC 5800c can be docked on a temporary or permanent tubing system installed in the work area with flap valve connection points for the users. This diagram shows the concept of the system.

115853	DC 5800c, 9.2 kW P, PTFE	
7010	DC F Mobile	
7130	DC F Wheelbarrow	
2030	Suction hose	Ø108
3036	Branch pipe	Ø108/76
3031	Joint	Ø108
3039	Steel pipe	Ø108
3030	Cone	Ø108/76
3007	Joint	Ø76
3003	Branch pipe	Ø76/76
3004	Steel pipe	Ø76
3005	Bend 90°	Ø76
3174	End cap	Ø76
2001	Suction hose	Ø76
2100	Intermediate sleeve	Ø76/50
2401	Suction hose	Ø50
2107	Coupling socket	Ø50/50
4016	Rubber plug	Ø76
8178	Startbox	
8177	Electric cable	10 m
817701	Electric cable	3 m



DC 5800c 9.2 kW/18.5 HP P PTFE

The hose and branchpipe package consist of:

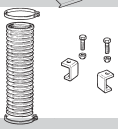
1 Rubber plug with chain	4016
1 Hose 76 L=2500	2001
2 Joints 76, remove rubber ring	3007 * 5D074728
2 Pipes D76*135	3341 * 5D074930
1 Spacer D15/8X10	42154
1 Screw	M6S 6*X55
1 Lock M6	42436 *5D074724
1 Branch pipe 45° Ø 76	300311 *5D064507
1 Flap valve 50/76	3006 *6C993039

Branch Pipe Package for Semi Mobile System

One package is used for each floor. The package does not include electric cables and startbox for vacuum producers without DC Green System (separate purchase).

Part No ***3353***

Containers and Accessories

Part No	Description	Volume	Capacity	Picture	DC 1800*	DC 2800a	DC 3800a/i	DC 5800a/i	Comments
42278-70	Container	20 l/5 gal	40 kg/90 lbs		X				Is delivered complete with wheels undercarriage and fasteners.
40070	Container	40 l/10.5 gal	60 kg/130 lbs		X*	X	X		–
40409	Container with sight glass	40 l/10.5 gal	60 kg/130 lbs		X*	X	X		Steel container with sight glass and knockout for drain tap.
40624	Container, stainless	40 l/10.5 gal	60 kg/130 lbs		X*	X	X		Stainless steel container for liquids.
40412	Container with sight glass	60 l/15.5 gal	60 kg/130 lbs		X*	(X)**	(X)**	X	Steel container with sight glass and knockout for drain tap. The cyclone must be raised to a higher mounting point with the above kit.
42369	Basket for plastic bag				X				Ensures that the bag can't get around the filter when the machine is used for light material.
4119	Drain tap 40/60 l				X	X	X	X	The drain tap is mounted on the 40 l with sight glass. R 1/2"
40410	Bottom screen 40/60 l				X	X	X	X	For fluid separation; The bottom screen is installed in the bottom and the drain tap is mounted on the container, 40/60 l.
40401	Carrying handles 40 l				X	X	X	X	Heavy duty carrying handles are installed in place of the standard locking hooks. For 40 l containers.
7313	Emptying car 40/60 l				X	X	X	X	Emptying cart for easy handling of the container.
42078	Lifter kit 60 l							X	When the 60 l container is to be used, the cyclone must be raised on the units chassis.
7368	Container	75 l/19.5 gal						X	
7249	Container with sight glass	90 l/23.5 gal	150 kg/330 lbs					X	The cyclone is mounted in the higher mounting position and the bottom cone is changed.
7314	Container with sight glass, drain tap and bottom screen	90 l/23.5 gal	150 kg/330 lbs					X	The cyclone is mounted in the higher mounting position and the bottom cone is changed.
7248	Emptying cart 90 l							X	The cart for handling of the 90 l container can also be handled with a fork lift. The container is rotated for emptying.
42079	Bottom cone kit , 90 l, incl extension hose							X	When the 90 l container the cyclone must be mounted at a higher position on the chassis and the bottom cone changed.
7315	Crane hook 90 l							X	The crane hook is mounted securely on the 90 l container. The container can be rotated for emptying in the elevated position.

* Max 90 lbs/40 kg when fitted to a DC 1800
** Fits to the cyclone but not to the standard chassis

I-Line – Quiet and Powerful

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

The I-line dust extractors can be "docked" to a permanent or temporary tubing system or a separate can be used at each workstation. 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 – Silent dust extractor for continous operation

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 **13556A05K0** 230/400 V, 50 Hz, 2,5 kW*
*Part No **117206** 230/460 V, 60 Hz, 4,0 HP USA/CAN*

DC 5800i 5 kW/11.5 HP – The quiet choice for large quantites of dust

The unit is used for source extraction from big power tools, for welding and for heavy cleaning. It is used with Ø 50 mm accessories for heavier applications. It is suitable for welding, woodchips, metal, aliminium chips, swarf, material transport, and cleaning.

*Part No **117300** 5 kW 400/690 V, 50 Hz*
*Part No **117330** 11.5 HP 460 V, 60 Hz*

DC 5800i 9.2 kW S – Silent material transport

The DC 5800i 9.2 kW S generates very high negative pressure over its working range and is well suited to use with extra long hoses .Its perfect for transport of large amounts of material and for collection in a pre-separator.

*Part No **117340** 9.2 kW S 400/690 V, 50 Hz*

DC 5800i 9.2 kW/18.5 HP P – A quiet dust extractor ideal for many extraction points

The DC 5800i 9.2 kW/18.5 HP P provides sufficient airflow for several users at the same time and can be connected to a permanent or temporary tubing system.

*Part No **117350** 9,2 kW P 400/690 V, 50 Hz*

Note: In material transportation applications, always consider a pre-separator.

DC 3800i

The DC 3800i is delivered with:

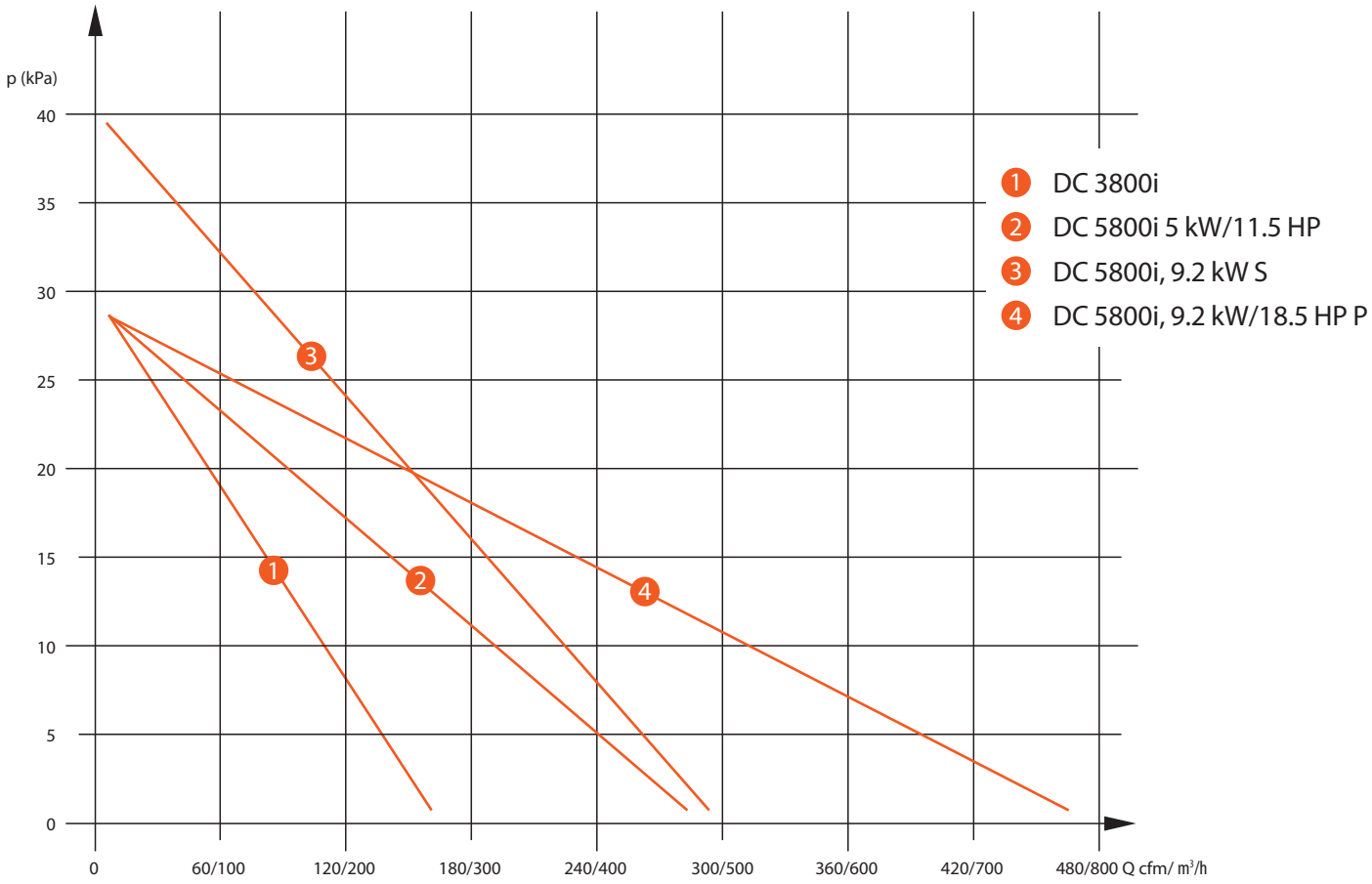
- *Suction hose 7 m (5 m Ø 50 and 2 m Ø 38, standard) (Part No 2125)*
- *Antistatic hose set total 23'/7 m (Ø 1.5" x 6' + Ø 2" x17' / Ø 38 mm x 2 m + Ø 50 mm x 5 m) (Part Nos 2126 +2107 + 2114)*
- *Aluminium floor tool B 450, Ø1.5"/38 mm (Part No 7236)*
- *Chrome steel wand Ø1.5"/38 mm (Part No 7257)*
- *Chrome steel flat nozzle Ø1.5"/38 mm, L=16"/400 mm (Part No 7213)*
- *Suction brush Ø1.5"/Ø38 (Part No 7278)*
- *Hand pipe Ø1.5"Ø38 (Part No 7035)*
- *Container 10.5 gal/40 l (Part No 40070)*
- *Fine filter, polyester (Part No 42025)*

DC 5800i

The DC 5800i is delivered with the following:

- *Suction hose Ø 50, 7 ,5 m (Part No 2401+2008+2129)*
- *Antistatic hose set 23'/7 m Ø 2"/50 mm (Part Nos 2013 + 2008 + 2129)*
- *Aluminium floor tool Ø 2"/50 mm (Part No 7238)*
- *Chrome steel wand Ø 2"/50 mm (Part No 7265)*
- *Suction brush Ø 2"/50 mm (Part No 7279)*
- *Chrome Steel flat nozzle Ø 2"/50 mm (Part No 7212)*
- *Chrome steel hand pipe Ø 2"/50 mm (Part No 7033)*
- *Fine filter, polyester (Part No 4292)*

Capacity



TECHNICAL DATA	DC 3800i	DC 5800i 5 kW/11.5 HP	DC 5800i 9.2 kW S	DC 5800i 9.2 kW/18.5 HP P
H x W x L , in/cm	59x 27x 44/147x66x110	73x 32x 56/181x79x140	181x 79x 140	73"x 32"x 56/181x79x140
Weight , lbs/kg	190/86	460/210	230 kg	530/240
Inlet , (nom)	Ø 2"/50 mm	Ø 3"/76 mm	Ø 76 mm	Ø 4.25"/108 mm
Hose length max reccommended	15'–90' (Ø 2")/5 - 30 m (50 mm)	15'–100'(Ø 2")/5 - 30 m (50 mm)	5–50 m	15'–165' (Ø 3")/ 5 - 50 m (76 mm)
Max vacuum, inwg/kPa	120/30	120/30	40 kPa	96/24
Max Q, cfm/ m³/h	156 /260	285/475	500 m³/h	480/800
Motor Nameplate	2.5 kW/4 HP	5 kW/10 HP	9.2 kW	9.2 kW/18.5 HP
Fine Filter area, ft ² /m ²	19.5/1.8	90.4/8.4	8.4 m²	90.4/8.4
Filter efficiency				
(EN 60335-2-69, Class M)	99.9 %	99.9 %	99.9 %	99.9 %
Collection container volume	10.5 gal/ 40 l	10.5 gal/40 l	40 l	10.5 gal/40 l
Sound level	60 dB(A)	59 dB(A)	<70 dB(A)	<70 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 this standard. Zone 22 is an area where an explosive environment, created by a 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 IP5X standard. For conductive material, IP6X standard is valid. 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. The machines can be used in environments between 0 and +50 degrees Celsius.

DC 1800 EX – Ten kilos of pure working joy in ATEX zone 22

The DC 1800 EX is suitable for general cleaning and source extraction. The DC 1800 is small and lightweight and as such suitable for those that need a highly portable machine that still is powerful enough for source extraction. With its low weight it is easy to carry onto the job site and it can be easily stored or rolled under a workbench. The DC 1800 is equipped with a steel container and a plastic bag can be used inside the container. It is equipped with a brushless motor (for spark-free operation) and is certified to IP5X standard.

*Part No **13C3330C60** 230 V*
*Part No **13C3350C60** 230 V, UK*
*Part No **13C3310C60** 115 V, UK*
*Part No **13C3320C60** 115 V, US/CAN*

DC 1800 EX

The DC 1800 is delivered with the following:

- *Suction hose (Ø 38) 5 m (Part No 2012)*
- *Floor nozzle (Part No 7235E)*
- *Suction pipe Ø 38 (Part No 7257)*
- *Fine filter, cellulose (Part No 42029)*
- *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 1800 EX

Weight	10 kg
Flow at open inlet, max	190 m^3/h
Neg pressure 115/230 V	21 kPa
Power consumption 115/230 V	1100 W
Noise level	68 dB(A)

DC 2800 EX – The professionals choice in ATEX zone 22

The DC 2800 EX is suitable for vacuum cleaning and source extraction from handheld power tools (with up to 5" suction casings) and small table saws. The DC 2800 has a sturdy steel chassis with big wheels but is still light and portable. The chassis is designed in a manner that allows the unit to be led by the hose without tipping. Compared to DC 1800 EX, it has a slightly longer cyclone, which improves the suction power. The steel container is also bigger. The DC 2800 EX is equipped with a brushless motor (for spark-free operation) and enclosed to IP5X standard.

*Part No **13C4330G60** 230 V*
*Part No **13C4350G60** 230 V, UK*
*Part No **13C4310G60** 115 V, UK*
*Part No **13C4320G60** 115 V, US/CAN*

DC 2800 EX

The DC 2800 EX is delivered with the following:

- *Suction hose (Ø 38) 5 m (Part No 2012)*
- *Floor nozzle (Part No 7235E)*
- *Suction pipe Ø 38 (Part No 7257)*
- *Fine filter, polyester (Part No 42028)*
- *HEPA filter (Part No 42027)*

TECHNICAL DATA – DC 2800 EX

Weight	19 kg
Flow at open inlet, 115/230 V	210/185 m³/h
Neg pressure, 115/230 V	30/25 kPa
Power consumption 115/230 V	1500/1300 W
Sound level	70 dB(A)

DC 3800 Turbo EX – The dust extractor for continous operation in ATEX zone 22

The DC 3800c 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 IP6X standard (conductive dust).

*Part No **13C56A0GD0** 400 V, Non Conductive dust*
*Part No **13C56C0GD0** 230/460 V, US/CAN, Non Conductive dust*
*Part No **13756A0GD0** 400 V, Conductive dust*
*Part No **13756C0GD0** 230/460 V, US/CAN, Conductive dust*

DC 3800 Turbo EX

The DC 3800 Turbo EX is delivered as standard with the following:

- *Suction hose Ø 50 (Part No 2012, 2013)*
- *Floor nozzle (Part No 7236)*
- *Suction pipe Ø 50 (Part No 7265)*
- *Fine filter, polyester (Part No 42025)*
- *HEPA filter (Part No 42024)*

TECHNICAL DATA – DC 3800 Turbo EX

Weight	62 kg
Flow at open inlet	260 m³/h
Negative pressure, max (115/230 V)	28 kPa
Power consumption (115/230 V)	2,5 kW
Noise level (115/230 V)	75/70 dB(A)

DC 5800 EX – Get rid of large quantites of dust in ATEX zone 22

The DC 5800 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 IP6X standard (conductive dust).

*Part No **13C67A0GD0** 400 V, Non Conductive dust*
*Part No **13768A0GD0** 400 V, Conductive dust*

DC 5800 EX

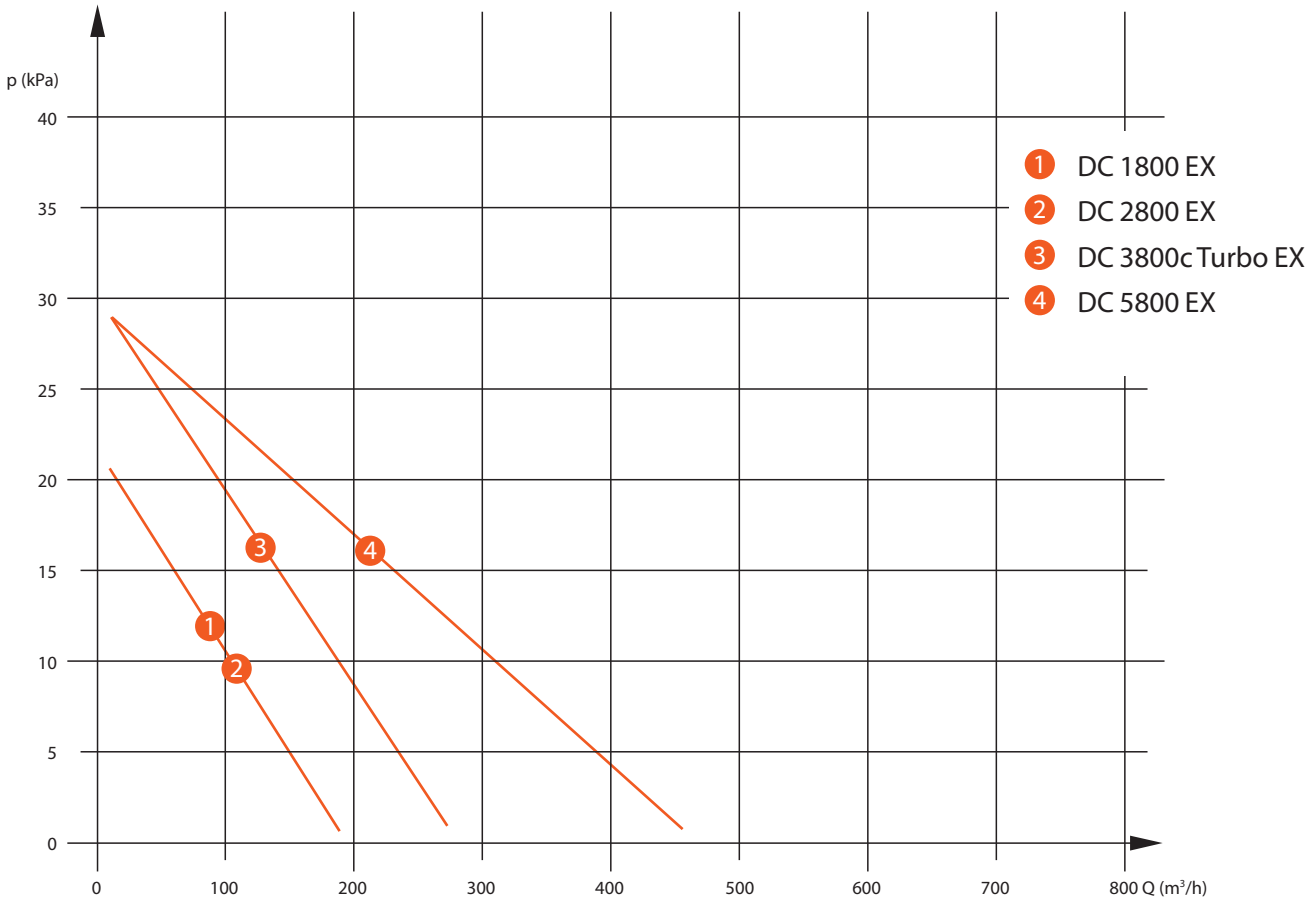
The DC 5800 EX is delivered as standard with the following:

- *Suction hose Ø 50 (Part No 2013)*
- *Floor nozzle (Part No 7238)*
- *Suction pipe Ø 50 (Part No 7265)*
- *Filter (Part No 429204)*

TECHNICAL DATA – DC 5800 EX

Weight	ca 180 kg
Flow at open inlet	470 m³/h
Negative pressure, max	28 kPa
Power consumption	5 kW
Noise level	75 dB(A)

Capacity



TECHNICAL DATA	DC 1800 EX	DC 2800 EX	DC 3800 Turbo EX	DC 5800 EX
H x W x L (mm)	740 x 380 x 380	1110 x 440 x 550	1400 x 600 x 970	1920 x 760 x 1000
Weight	10 kg	19 kg	62 kg	ca 170 kg
Inlet	X 50 mm	Ø 50 mm	X 50 mm	X 50 mm
Hose length (Ø 50)	5 m (Ø 38)	5 m (Ø 38)	5–15 m	5–30 m
Flow at open inlet (115/230 V)	190 m³/h	210/185 m³/h	260 m³/h	470 m³/h
Negative pressure, max (115/230 V)	21 kPa	30/25 kPa	28 kPa	28 kPa
Power consumption (115/230 V)	1100 W	1500/1300 W	2.5 kW	5 kW
Filter area. fine filter	1.5 m²	1.5 m²	1.8 m²	8.4 m²
Degree of separation fine filter				
EN 60335-2-69, Class M	99.9 %	99.9 %	99.9 %	99.9 %
Filter area microfilter	0.85 m²	0.85 m²	1.5 m²	2.5 m²
Degree of separation				
microfilter N 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)	68 dB(A)	70 dB(A)	75 dB(A)	75 dB(A)

Compressed Air Driven Dust Extractors

DC 3800 TR S – Air driven dust extractor for cleaning and source extraction

The DC 3800 TR S is a compressed air driven extractor for use in areas where electrical power is not available or practical. The ejector is manually operated. The DC 3800 TR S can be used for source extraction from grinding, drilling and cutting tools as well as for cleaning.
The DC 3800 TR S is constructed from the same components as the DC 3800c Turbo with the turbo pump and tool basket being replaced by a silenced ejector. The DC 3800 TR S is supplied with a HEPA filter.

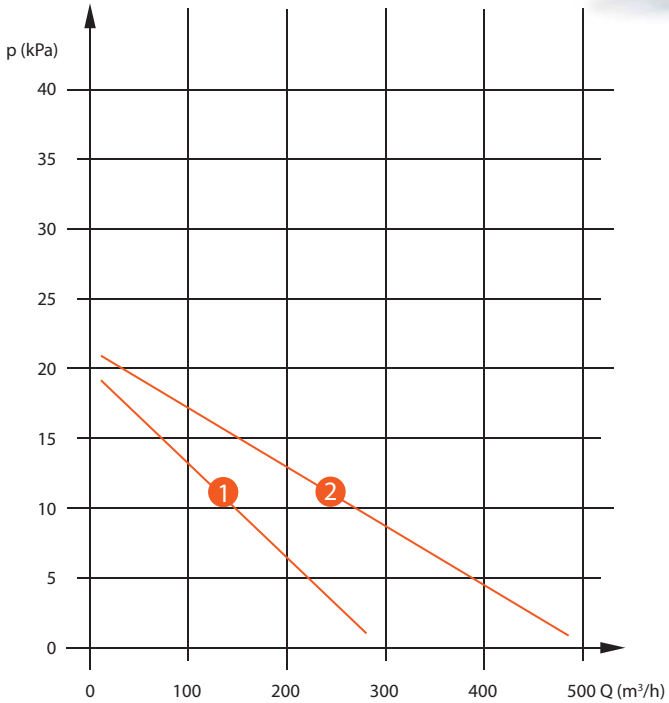
*Part No **1365FJ0600***

DC 5800 TR – Air driven dust extractor for heavier applications

The DC 5800 TR is a machine driven by compressed air for use in areas where electricity is not available or not permitted. 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 **1366FJ0800***

Capacity



DC 3800 TR S and DC 5800 TR can be ordererd with antistatic accessories to fulfil the requirements of the ATEX Zone 22 directive 1999/92 ATEX 137.

1 DC 3800 TR S
2 DC 5800 TR

DC 3800 TR S

The DC 3800 TR S is delivered with:
- *Fine filter polyester (Part No 42025)*
- *5 plastic sacks, (Part No 4314)*
- *HEPA filter (Part No 42024)*

TECHNICAL DATA – DC 3800 TR S

H x W x L, in/cm	55x24x 36/139x60x92
Weight, lbs/kg	84/38
Inlet, (nom)	Ø 2"/50 mm
Hose length max rec'd (Ø 2"/50 mm)	15'-50'/5 - 15 m
Max Q, cfm/ m³/h	180/300
CA consumption at 90psi/6 bar	63.5cfm/1.8 m³/m
Air Connection	1" ball valve
Max vacuum, inwg/kPa	80/20
Fine Filter area, ft ² /m ²	19.5/1.8
Filtration efficiency	
EN 60335-2-69, Class M	99.9 %
HEPA Filter area, ft ² /m ²	16.2/1.5
HEPA Filter efficiency	
EN 60335-2-69, Class H	99.995 %
EN 1822-1	HEPA H13
Collection sack volume	10.5 gal/40 l
Sound level	75 dB(A)

DC 5800 TR

The DC 5800 TR is delivered with:
- *5 plastic sacks (Part No 4614)*
- *Fine filter (Part No 429204)*
- *Filter (Part No 4422)*

TECHNICAL DATA – DC 5800 TR

HxWxL, in/cm	71x30x40/180x76x100
Weight, lbs/kg	330/150
Inlet, (nom)	Ø 3"/76 mm
Hose length max rec'd	15'-50'/5-10 m
Max Q, cfm/m³/h	300/500
CA consumption at 90 psi/6 bar	90cfm/2,5 m³/m
Air Connection	1" ball valve
Max vacuum, inwg/kPa	84/21
Fine Filter area, ft²/m²	90.4/8.4
Filtration efficiency	
EN 60335-2-69, Class M	99.9 %
HEPA Filter area, ft²/m²	26.9/2.5
HEPA Filter efficiency	
EN 60335-2-69, Class H	99.995 %
EN 1822-1	HEPA H13
Collection sack volume	15.5 gal/60 l
Sound level	75 dB(A)