



**J E T**®



**DUST COLLECTION**

**GREATER PERFORMANCE. A CLEANER WORKSHOP.**

[JETTOOLS.COM](http://JETTOOLS.COM)



# DUST COLLECTION THE WAY IT WAS MEANT TO BE



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## DUST COLLECTORS

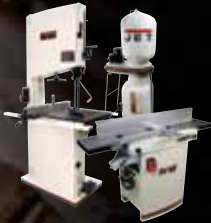
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## DUST COLLECTION 101

### MACHINE SELECTION GUIDE

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# THE JET ADVANTAGE



## DEPTH AND BREADTH OF LINE

JET offers a full range of machines to fill all your woodworking needs. Every operation of your project can be trusted to JET. Take a look at all the machines available for sawing, planing, turning, sanding and dust collection.



## QUALITY

Reliable, quality engineering and manufacturing goes into each and every JET machine. JET machines are built and tested to tight tolerance standards to insure consistent quality and precision operations.



## INNOVATIVE PRODUCTS

JET is committed to ongoing innovation demonstrated in the introduction of new products.



## PROFESSIONAL MANUALS

JET manuals are professionally written by engineers for ease of use. All manuals come complete with parts breakdown and electrical drawings.



## INDUSTRY LEADING WARRANTY

Your JET equipped shop is backed by one of the industry's most comprehensive warranties-JET offers a 5-year warranty confirming our confidence in the quality of our design and workmanship.



## AUTHORIZED SERVICE CENTERS

JET offers over 750 authorized service centers across the USA. You can be assured a qualified local technician can help troubleshoot, order parts and repair your equipment should a problem arise.



## THE BENEFITS BEHIND THE TECHNOLOGY

- Eliminates filter clogging and subsequent health concerns from manual cleaning.
- Eliminates rapid performance drop due to premature filter clogging
- Dramatically improves chip separation efficiency of single stage dust collectors
- Aids in quick fallout of chips into the collector bag instead of clogging the filter bag or canister
- Reduces violent airflows in the collector bag which increases the packing efficiency for fewer bag changes

### WATCH THE VIDEO...

Visit [vortexcone.com](http://vortexcone.com) to Learn More and See It In Action



# AFTER 20 MINUTES OF USE...

## WITHOUT THE VORTEX CONE

Filter gets clogged thus dropping performance and requiring frequent maintenance

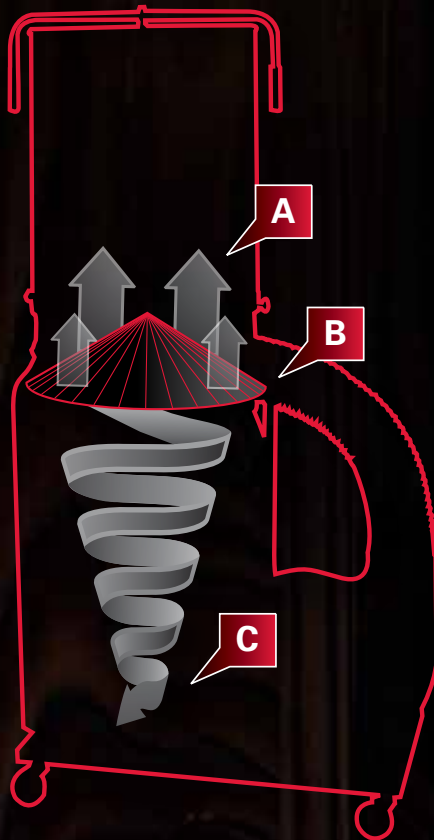
## WITH THE VORTEX CONE

Filter stays cleaner preserving performance and requiring little maintenance



## THE DIFFERENCE IS CLEAR...

Both model DC-1100 dust collectors were run for 20 minutes. The dust collector to the left does not have the all new Vortex Cone™ Technology, the canister on the right does. As you can see the Vortex Cone eliminates 98% of the wood chips from clogging your filter which leaves your dust collector running more efficiently.



## AN INSIDE LOOK AT THE VORTEX CONE

### A. PERFORMANCE

Only fine particles move to the filter chamber making manual cleaning easier and decreasing health concerns

### B. PREVENTION

Prevents the central airflow from floating chips into the filter chamber decreasing rapid performance drop due to premature clogging

### C. EFFICIENCY

Chips are better contained for increased packing density requiring fewer collection bag changes

# DC1100VX DUST COLLECTORS



- A.** Quick-Install Collection Bag
- B.** See-through Dust Bag
- C.** 2-Micron Canister Filter
- D.** Quick-Install Disposable Collection Bag

- E.** Heavy-Duty Casters
- F.** Filter Cleaning Baffles
- G.** Dual 4" Dust Port
- H.** Thumbscrew Removal for Canister



## FEATURES

- Industrial-quality construction effectively handles collection of wood chips and sawdust
- Quick-install collection bag makes emptying and re-attaching a snap
- Single-stage design for economical and quiet operation
- Includes four casters for maneuverability and total portability
- High air velocity (CFM) design stands up to any competitive specifications
- Permanently lubricated, totally enclosed, fan-cooled motors are rated for continuous-duty
- Optional canister filter offers superior dust collection by capturing particles as small as 2 microns
- Optional Remote Control is Radio Frequency, no need for line of sight to turn machine on and off

### AFTER 20 MINUTES OF USE



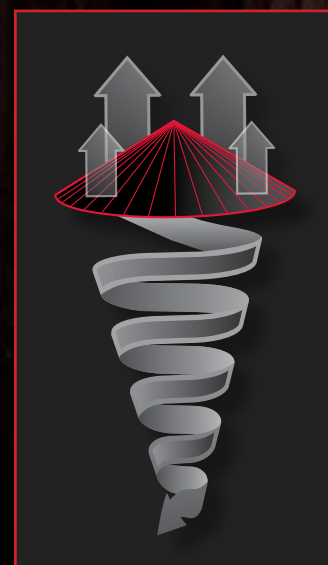
#### WITHOUT THE VORTEX CONE

Filter gets clogged thus dropping performance and requiring frequent maintenance

#### WITH THE VORTEX CONE

Filter stays cleaner preserving performance and requiring little maintenance

STOCK NUMBER	708657K	708659K	708658K
Model Number	DC-1100VX-BK	DC-1100VX-CK	DC-1100VX-5M
Equipped with Vortex Cone Technology			
Blower Wheel Diameter (in.)	11	11	11
Sound Rating (dB)	70-80	70-80	70-80
1-Hose Connection Diameter (in.)	6	6	6
2-Hoses Connection Diameter (in.)	4	4	4
Bag Diameter (in)	20	20	20
Filter Bag/Canister Length (in.)	32	25	46
Collection Bag Capacity (cu. ft.)	5.3	5.3	5.3
Collection Bag Length (in.)	29	29	30
Air Flow @ 4" (CFM)	1100	1100	1100
Static Pressure (inch of water)	10.5	10.5	10.5
Particle Size (Micron)	30 (Bag) 98% of 30 micron particles	2 (Canister) 98% of 2 micron particles; 86% of 1 micron particles	5 (Bag) 98% of 5 micron particles; 74% of 1 micron particles
Amps	11/5.5	11/5.5	11/5.5
Motor HP	1-1/2HP	1-1/2HP	1-1/2HP
Motor Phase	1Ph	1Ph	1Ph
Motor Voltage	115/230V	115/230V	115/230V
Prewired	115V	115V	115V
Net Weight (lbs.)	97	117	97



#### VORTEX CONE

Aids in quick fallout of chips into the collector bag instead of clogging the filter bag or canister

ACCESSORIES	STOCK NO.
30 Micron Bag Kit (Filter & Collector)	708636F
5 Micron Bag Kit (Filter & Collector)	708636MF
Canister Filter with Clear Bag Kit	708639B
Replacement 30 Micron Filter Bag	708698
Replacement 30 Micron Collection Bag	708699A
Replacement Clear Plastic Collection Bags (5)	709563
115V RF Remote (Includes transmitter)	708636C
Transmitter for RF Remote	708636T



# DC1100 & DC1200VX DUST COLLECTORS



- A.** Quick-Install Collection Bag
- B.** See-through Dust Bag
- C.** 2-Micron Canister Filter

- D.** Quick-Install Disposable Collection Bag
- E.** Heavy-Duty Casters
- F.** Filter Cleaning Baffles

## FEATURES

- Industrial-quality construction effectively handles collection of wood chips and sawdust
- Quick-install collection bag makes emptying and re-attaching a snap
- Single-stage design for economical and quiet operation
- Includes four casters for maneuverability and total portability
- High air velocity (CFM) design stands up to any competitive specifications
- Permanently lubricated, totally enclosed, fan-cooled motors are rated for continuous-duty
- Optional canister filter offers superior dust collection by capturing particles as small as 2 microns

STOCK NUMBER	708636K	708636CK	708636MK	710701K	710702K	710703K	710704K
<b>Model Number</b>	DC-1100	DC-1100CK	DC-1100M	DC-1200VX-BK1	DC-1200VX-CK1	DC-1200VX-BK3	DC-1200VX-CK3
<b>Equipped with Vortex Cone Technology</b>	-	-	-				
<b>Blower Wheel Diameter (in.)</b>	11	11	11	12	12	12	12
<b>Sound Rating (dB)</b>	70-80	70-80	70-80	80-85	80-85	80-85	80-85
<b>1-Hose Connection Diameter (in.)</b>	6	6	6	6	6	6	6
<b>2-Hoses Connection Diameter (in.)</b>	4	4	4	4	4	4	4
<b>Bag Diameter (in)</b>	20	20	20	20	20	20	20
<b>Filter Bag/Canister Length (in.)</b>	32	25	46	32	25	32	25
<b>Collection Bag Capacity (cu. ft.)</b>	5.3	5.3	5.3	5.3	5.3	5.3	5.3
<b>Collection Bag Length (in.)</b>	29	29	30	29	29	29	29
<b>Air Flow @ 4" (CFM)</b>	1100	1100	1100	1200	1200	1200	1200
<b>Static Pressure (inch of water)</b>	10.5	10.5	11.5	11.5	11.5	11.5	11.5
<b>Particle Size (Micron)</b>	30 (Bag)	2 (Canister)	5 (Bag)	30 (Bag)	2 (Canister)	5 (Bag)	2 (Canister)
	98% of 30 micron particles	98% of 2 micron particles; 86% of 1 micron particles	98% of 5 micron particles; 74% of 1 micron particles	98% of 30 micron particles	98% of 2 micron particles; 86% of 1 micron particles	98% of 5 micron particles; 74% of 1 micron particles	98% of 2 micron particles; 86% of 1 micron particles
<b>Amps</b>	11/5.5	11/5.5	11/5.5	8	8	6/3	6/3
<b>Motor HP</b>	1-1/2HP	1-1/2HP	1-1/2HP	2HP	2HP	2HP	2HP
<b>Motor Phase</b>	1Ph	1Ph	1Ph	1Ph	1Ph	3Ph	3Ph
<b>Motor Voltage</b>	115/230V	115/230V	115/230V	230V Only	230V Only	230/460V	230/460V
<b>Prewired</b>	115V	115V	115V	230V	230V	Prewired 230V	Prewired 230V
<b>Net Weight (lbs.)</b>	97	117	124	108	127	108	127



# DC650 DUST COLLECTORS

**5**  
YEAR WARRANTY



## FEATURES

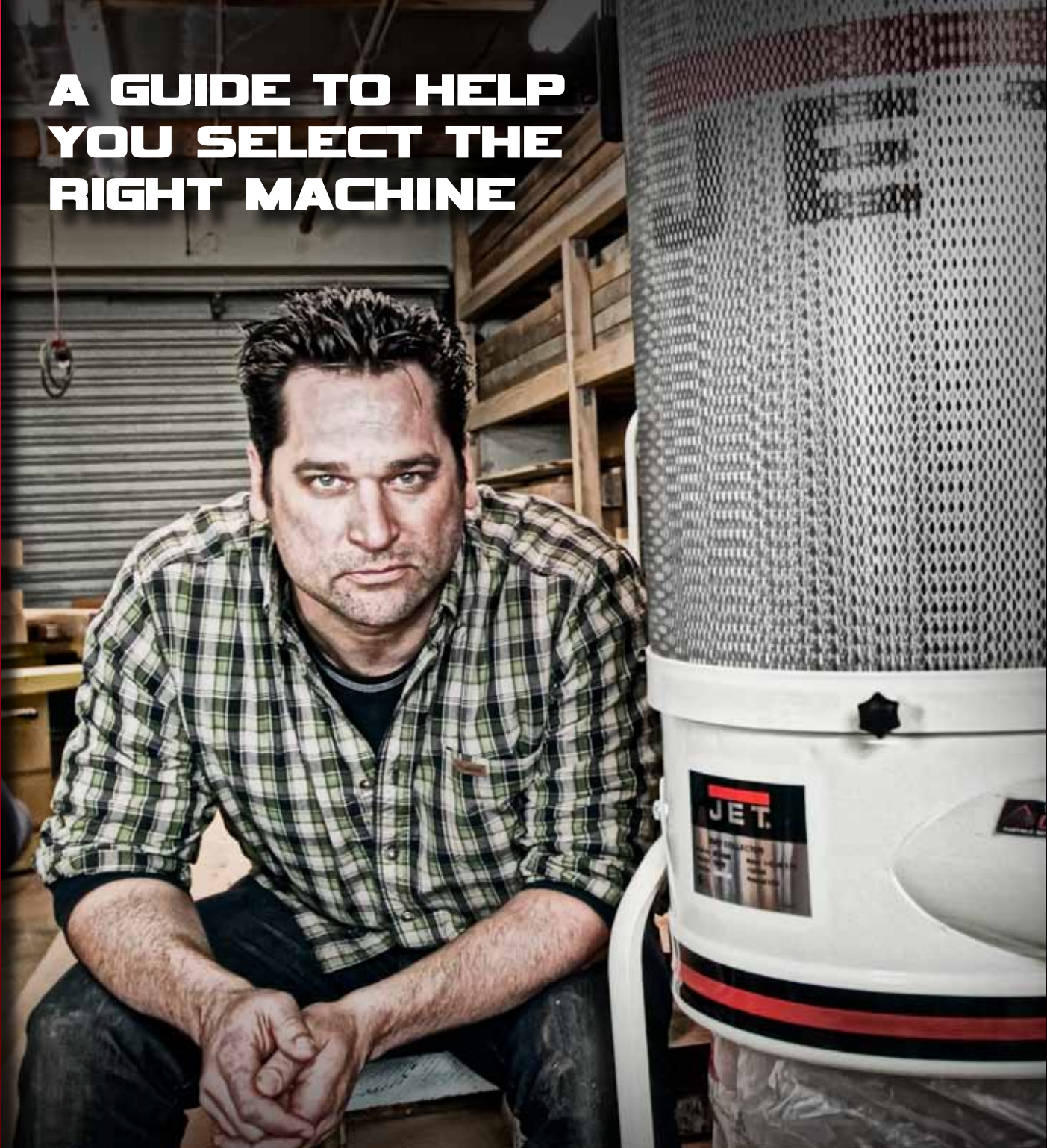
- Hook up one to three machines for optimum dust cleaning
- Quick-install collection bag makes emptying and re-attaching a snap
- Single-stage design for economical and quiet operation
- Includes four casters for maneuverability and total portability
- High air velocity (CFM) design stands up to any competitive specifications
- Permanently lubricated, totally enclosed, fan-cooled motors are rated for continuous-duty
- Optional canister filter offers superior dust collection by capturing particles as small as 2 microns
- Remote Control is Radio Frequency, no need for line of sight to turn machine on and off

- A.** Quick-Install Filter Bag
- B.** Quick-Install Collection Bag
- C.** See-through Dust Bag
- D.** 2-Micron canister filter
- E.** Clear Disposable Collection Bag
- F.** Heavy-Duty Casters

STOCK NUMBER	708642BK	708642CK	708642MK
Model Number	DC-650	DC-650CK	DC650M
Equipped with Vortex Cone Technology	-	-	-
Blower Wheel Diameter (in.)	9-1/2	9-1/2	9-1/2
Sound Rating (dB)	65-70	65-70	65-70
1-Hose Connection Diameter (in.)	4	4	4
2-Hoses Connection Diameter (in.)	14	14	14
Bag Diameter (in)	-	-	-
Filter Bag/Canister Length (in.)	24	25	31-1/2
Collection Bag Capacity (cu. ft.)	2.1	2.1	2.1
Collection Bag Length (in.)	23	23	23
Air Flow @ 4" (CFM)	650	650	650
Static Pressure (inch of water)	6.5	6.5	6.5
Particle Size (Micron)	30 (Bag) 98% of 30 micron particles	2 (Canister) 98% of 2 micron particles; 86% of 1 micron particles	5 (Bag) 98% of 5 micron particles; 74% of 1 micron particles
Amps	7/3.5	7/3.5	7/3.5
Motor HP	1HP	1HP	1HP
Motor Phase	1Ph	1Ph	1Ph
Motor Voltage	115/230V	115/230V	115/230V
Prewired	115V	115V	115V
Net Weight (lbs.)	62	70	86



## A GUIDE TO HELP YOU SELECT THE RIGHT MACHINE



### AIR VOLUME REQUIREMENTS

This illustration shows the basic air-volume requirements of standard shop machines. Keep in mind when running multiple machines the CFM requirements need to be added together to select the appropriate dust collector.



TABLESAW >  
350 CFM



MITERSAW >  
350 CFM



JOINTER >  
450 CFM

# BEFORE YOU BUY CONSIDER...

## 1. PERFORMANCE REQUIREMENTS

### EFFICIENCY

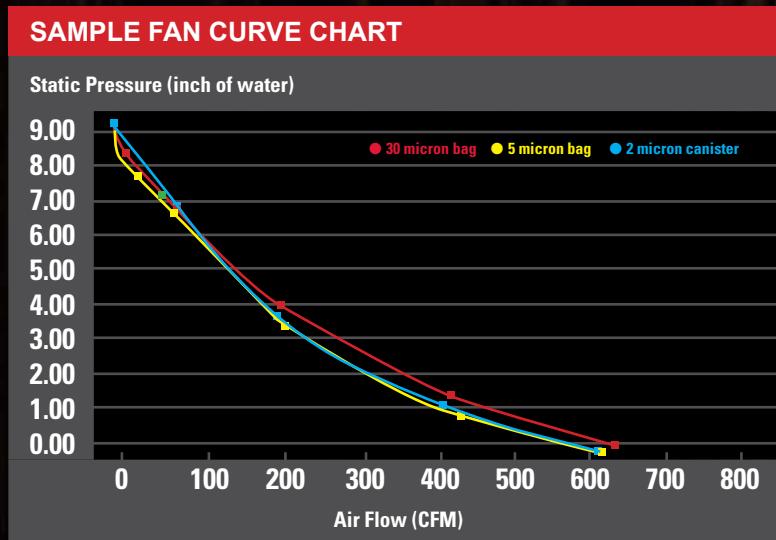


Two specifications that provide an accurate measurement of a dust collector's actual performance:

- (1) CFM (Cubic Feet per Minute) - Volume of air a collector moves
- (2) SP (Static Pressure) - Number of inches of pressure created

### AIR PERFORMANCE

A Fan Curve chart illustrates the genuine performance of a dust collector. It measures CFM at various levels of air resistance. As the inches of SP increase, the CFM decreases. Performance is not compromised with the addition of a finer filter



\*YOUR RESULTS MAY VARY.



PLANER >  
785 CFM



SHAPER >  
350 CFM



BANDSAW >  
350 CFM



DISC SANDER >  
450 CFM



BELT SANDER >  
550 CFM



DRUM SANDER >  
550 CFM

# BEFORE YOU BUY CONSIDER...

## CFM RATING



A higher CFM rating indicates that the collector can handle a higher output, either more chips or multiple machines. A higher SP rating indicates that more ductwork can be used and still be efficient. With high CFM and SP ratings, the Vortex Cone models will ensure that you achieve the power needed.



### BUY A DUST COLLECTOR THAT EXCEEDS YOUR NEEDS >

Look for more performance than your immediate need to account for changing variables..

## 2. FINE DUST

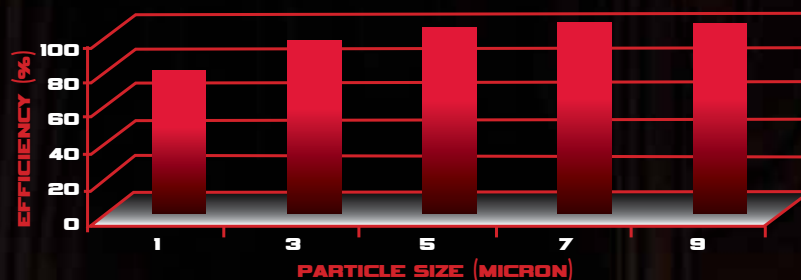
98% is the industry standard for filter efficiency. When the filter catches 98% of particles of the given size (in microns) it meets accepted industry standards.

Many advertisements give a filter measurement in microns, but don't give any information about the efficiency level. Some products advertise a 1 or 2 micron filter, yet the efficiency at that size is only 70%. Most products will filter at the 1 or 2 micron level at a deeply decreased efficiency level.

While a 30 micron filter works with larger chips, the fine dust created by sanding machines will be better captured by a 5 micron bag or a 2 micron canister.

The Vortex Cone technology improves any dust collector by significantly reducing dust particles from clogging your filter. A canister dust collector with the Vortex Cone gives you the best single stage dust collection system on the market.

### FILTER EFFICIENCY



### BUY THE BEST FILTRATION SYSTEM YOU CAN AFFORD >

Pleated cartridge-type filters are more effective at capturing finer dust particles, which pose a health risk.

# BEFORE YOU BUY CONSIDER...

## 3. MULTIPLE MACHINES

To determine what level of machine is needed, the CFM levels of the machines need to be added together. ( Table Saw (350 CFM) and Jointer (450 CFM) = 800 CFM Total )

Adding duct work or additional hosing to the dust collection unit will produce a drop in performance. This is most evident when more than one machine uses the same dust collector.

### DUCTWORK



When a collector is working harder due to added ductwork fewer chips and less dust is sucked up. A good analogy is to imagine how much harder it would be to take a sip of soda through a 3-ft.-long straw than through a regular 8-in.-long straw.

The increased air velocity (CFM) from the Vortex Cone allows for a higher level of performance even while the collector is working harder.



#### USE THE SHORTEST LENGTH OF FLEXIBLE HOSE POSSIBLE >

Corrugations in flexible hose generate three times the air flow resistance of smooth pipe of the same length.



## 4. FUTURE ADDITIONS

When making a purchase, consider future plans for other shop equipment. Buy a dust collector that will be able to perform well for all machines.

Different tools, such as sanders, produce finer particles and a canister filter is more effective at capturing the particles.



#### CONSIDER FUTURE EXPANSION OF YOUR SHOP >

Choose a dust collector with enough capacity to handle suspected future needs.

**PERFORMANCE**

**GUIDE**

**CHOOSE THE PERFORMANCE LEVEL THAT IS SUITABLE TO YOUR NEEDS**



	<b>2</b> MICRON CANISTER	<b>5</b> MICRON BAG	<b>30</b> MICRON BAG
<b>PARTICLE SEPARATION</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>
<b>CONTINUAL AIRFLOW</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>
<b>FILTERING MAINTENANCE</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>
<b>DUST COLLECTION CAPACITY</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>
<b>SAWING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>JOINTING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>PLANING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>SHAPING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>ROUTING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>TURNING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>GOOD</b>
<b>LIGHT SANDING</b>	<b>EXCELLENT</b>	<b>GOOD</b>	<b>FAIR</b>
<b>HEAVY SANDING</b>	<b>GOOD</b>	<b>FAIR</b>	<b>N/R</b>

\* N/R = NOT RECOMMENDED



# DC 1100



# DC 650

2 MICRON CANISTER	5 MICRON BAG	30 MICRON BAG	2 MICRON CANISTER	5 MICRON BAG	30 MICRON BAG
FAIR	FAIR	FAIR	FAIR	FAIR	FAIR
GOOD	FAIR	GOOD	GOOD	FAIR	GOOD
GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
GOOD	GOOD	GOOD	FAIR	FAIR	FAIR
GOOD	GOOD	GOOD	GOOD	GOOD	FAIR
GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
GOOD	GOOD	GOOD	FAIR	FAIR	FAIR
EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD
EXCELLENT	GOOD	GOOD	GOOD	FAIR	FAIR
EXCELLENT	GOOD	N/R	GOOD	FAIR	N/R
GOOD	FAIR	N/R	N/R	N/R	N/R





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