



PROfessional

AP145CE Cyclone Extractor



The packaging is suitable for recycling.
Please dispose of it in a responsible manner.

EU Countries Only
Do not dispose of electric tools together with
household waste material. By law they must be
collected and recycled separately.



Fully read manual and safety
instructions before use.
Save this manual for future
reference.



Eye protection
should be worn



Ear protection
should be worn



Dust mask
should be worn



Hazard

The symbols above advise the correct safety procedures when using this machine.

Original Instructions

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Table of contents

Preface 1

1. Safety	2
1.1 Safety instructions for general machinery	2
1.11 Personal protective equipment	3
1.2 Safety instructions for dust collector	3
2. Technical Specification	6
2.1 Specification	6
2.2 Dimensions	6
3. Assembly	7
3.1 Grounding instructions	7
3.2 Placement location	7
3.3 Unpacking	7
3.4 Assembly	8
3.4.1 Know your dust collector	8
3.4.2 To assemble machine	9
3.5 Initial commissioning	14
3.6 Accessories for dust collector	15
4. Operation	16
4.1 Remote control and electrical control box	17
4.1.1 Remote control	17
4.1.2 Control box	17
4.2 Tips for optimum performance	18
4.3 Required CFMs	18
5. Maintenance	19
5.1 Schedule	19
5.2 Cleaning canister filter	19
5.3 Removing/Replacing collection drum bag	19
5.4 Removing/Replacing filter bag	20
5.5 Removing/Replacing canister filter	20
6. Troubleshooting	21
7. Diagram and part list	23
7.1 Diagram	23
7.2 Part list	24
7.3 Wiring diagram	25

Preface



Before commissioning the machine, please read these operating instructions thoroughly and get familiar with the machine. Please also make sure that all persons operating the machine have read and understood the operating instructions beforehand. Keep these operating instructions in a safety place nearby the machine.



Information

The operating instructions include indications for safety-relevant and proper installation, operation and maintenance of the machine. The continuous observance of all notes included in this manual guarantee the safety of persons and of the machine.

The manual determines the intended use of the machine and includes all necessary information for its economic operation as well as its long service life.

The illustration and information included in the present manual can possibly deviate from the current state of construction of your machine. Being the manufacturer we are continuously seeking for improvements and renewal of the products. Therefore, changes might be performed without prior notice. The illustrations of the machine may be different from the illustrations in these instructions with regard to a few details. However, this does not have any influence on the operability of the machine. Therefore, no claims may be derived from the indications and descriptions.

Your suggestion with regard to these operating instructions are an important contribution to optimising our work which we offer to our customers. For any questions or suggestions for improvement, please do not hesitate to contact our service department.

WARNING



Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding toolb integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

1. Safety

This operating instructions

- ▲explains the meaning and use of the warning notes included in the operating instructions
- ▲points out the dangers that might arise for you or others if these instructions are not observed.
- ▲informs you how to avoid dangers.

In addition to these operation instructions, please observe

- ▲the applicable laws and regulations
- ▲the statutory provisions for accident prevention
- ▲the prohibition, warning and mandatory signs as well as the warning notes on the machine.

If required, the relevant measures to comply with the country-specific regulations must be taken before commissioning the machine.

Always keep this documentation close to the machine.

1.1 Safety instructions for general machinery

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.



WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, birth defects, or other reproductive harm. Wash hands after handling. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

	For your own safety, read instruction manual before operating the machine. Learn the machine's application and limitations as well as the specific hazards peculiar.
	Always wear approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles everyday. Eyeglasses are not approved safety glasses.
	Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear an approved respirator to reduce your risk.
	Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.
	Keep hands and clothing away from moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips which could cause a loss of workpiece control.

1.11 Personal protective equipment

protective suit	safety shoes	protective gloves	protective glasses
			



Dirty or contaminated personal protective equipment can cause illness. Clean your personal protective equipment after each use and once a week.

1.2 Safety instructions for dust collector



Long-term respiratory damage can occur from using dust collectors without proper use of a respirator. Fire or explosions can result in smoke inhalation, serious burns, or death—if machine is used to collect incorrect materials, is operated near potential explosion sources, or ducting is improperly grounded. Entanglement, amputation, or death can occur if hair, clothing, or fingers are pulled into the inlet. To reduce the risk of these hazards, operator and bystanders **MUST completely heed the hazards and warnings below.**

INTENDED USE	This dust collector is only intended for collecting wood dust and chips from woodworking machines. Do not use this dust collector to collect metal, dirt, pebbles, drywall, asbestos, lead paint, silica, liquids, aerosols, or any flammable, combustible, or hazardous materials.
HAZARDOUS DUST	Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each work piece material, and always wear a NIOSH-approved respirator to reduce your risk.
DUST ALLERGIES	Dust from certain woods may cause an allergic reaction in people and animals. Make sure you know what type of wood dust you will be exposed to in case there is a possibility of an allergic reaction.
WEAR RESPIRATOR	Fine dust that is too small to be caught in the filter will be blown into the ambient air during operation. Always wear a NIOSH-approved respirator during operation and for a short time after to reduce your risk of permanent respiratory damage.
EMPTYING DUST	When emptying dust from the collection container, wear a respirator and safety glasses. Empty dust away from ignition sources and into an approved container.
DISCONNECTING POWER SUPPLY	Turn the switch off, disconnect the dust collector from the power supply, and allow the impeller to come to a complete stop before leaving the machine unattended or doing any service, cleaning, maintenance, or adjustments.
SUSPENDED DUST PARTICLES AND IGNITION SOURCES	Do not operate the dust collector in areas where explosion risks are high. Areas of high risk include, but are not limited to, areas near pilot lights, open flames, or other ignition sources.
FIRE SUPPRESSION	Only operate the dust collector in locations that contain a fire suppression system or have a fire extinguisher nearby.
IMPELLER HAZARDS	Do not place your hands or tools near the open inlet during operation for any reason. The powerful suction could easily cause accidental contact with the impeller, which will cause serious personal injury or damage to the machine. Always keep small animals and children away from open dust collection inlets.
AVOIDING SPARKS	Do not allow steel or rocks to strike the impeller—this may produce sparks. Sparks can smolder in wood dust for a long time before a fire is detected. If you accidentally cut into wood containing tramp metal (nails, staples, spikes, etc.), immediately turn off the dust collector, disconnect it from power, and wait for the impeller to stop—then empty the collection container into an approved airtight metal container.
OPERATING LOCATION	To reduce respiratory exposure to fine dust, locate permanently installed dust collectors away from the working area, or in another room that is equipped with a smoke detector. Do not operate the dust collector in rainy or wet locations—exposure to water may create a shock hazard or decrease the life of the machine.

STATIC ELECTRICITY	Plastic dust lines generate high amounts of static electricity as dust chips pass through them. Although rare, sparks caused by static electricity can cause explosions or fire. To reduce this risk, make sure all dust lines are thoroughly grounded by Using a grounding wire.
REGULAR CLEANING	Regularly check/empty the collection bags or drum to avoid the buildup of fine dust that can increase the risk of fire. Make sure to regularly clean the surrounding area where the machine is operated—excessive dust buildup on overhead lights, heaters, electrical panels, or other heat sources will increase the risk of fire.



No list of safety guidelines can be complete. Every shop environment is different. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.



FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY. FOR YOUR OWN SAFETY, READ AND UNDERSTAND THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE.



KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
DON'T USE IN DANGEROUS ENVIRONMENT. Don't use this unit in damp or wet locations, or expose it to rain. Keep work area well-lighted.
KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept a safe distance from work area.
DISCONNECT UNIT before servicing.
CHECK DAMAGED PARTS. Before further use of the unit, properly repair or replace any part that is damaged.

2. Technical Specification

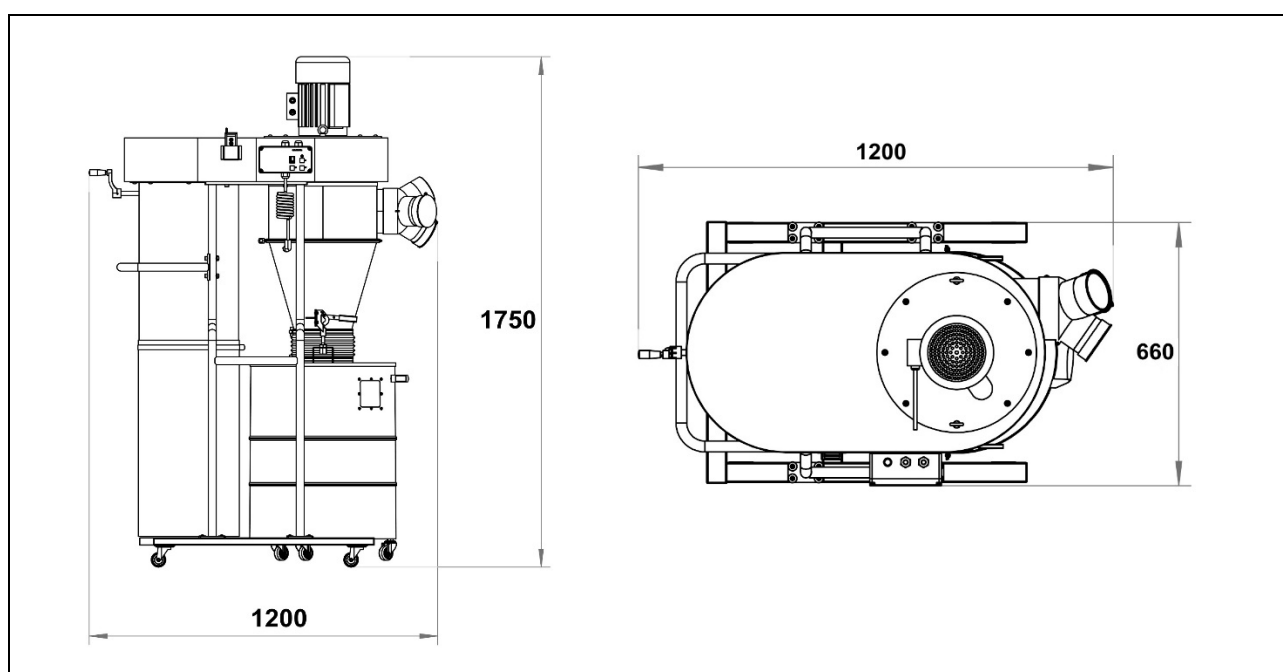


The following information represents the dimensions and weight information and the manufacturer's approved machine data.

2.1 Specification

MODEL NO.	FM330C-2000H
Motor(W)	1500W
Motor speed 50Hz (RPM)	2850r/min
Motor speed 60Hz (RPM)	3450r/min
Impeller size(MM)	Φ330mm
Inlet hole size(MM)	Φ150mm
Number of Intake holes(MM)	3XΦ100mm
Bag size(MM)	Φ500x1100mm
Bag volume (m ³)	0.118 m ³
Air speed 50Hz (m ³ /h)	1080 @ 100mm
	1380 @ 150mm
Filter area(m ²):	2.6 m ²
Filter capacity (Micro)	1
Noise level (dB)	84 dB
Width X Depth X Height(MM)	1200X660X1750
Packing size(MM)	1020×590×900mm 1240×412×170mm 650×430×430mm

2.2 Dimensions



3. Assembly

The cyclone dust collector is not pre-assembled. After unpacking, the machine must be installed.



Transport the dust collector in its packing crate to a place near its final installation site before unpacking it. If the packaging shows signs of possible transport damage, take the necessary precautions not to damage the machine when unpacking. If any damage is discovered, the carrier and/or shipper must be notified of this fact immediately to establish any claim which might arise.

3.1 Grounding instructions

The appliance must be grounded, if it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having equipment-ground conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

For grounded, cord-connected appliances: Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance. If the appliance must be reconnected for use on a different type of electric circuit, qualified service personnel should make the reconnection.

For a permanently connected appliance: This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the appliance.

Inspect the machine completely and carefully, making sure that all materials, such as shipping documents, instructions and accessories supplied with the machine have been received.

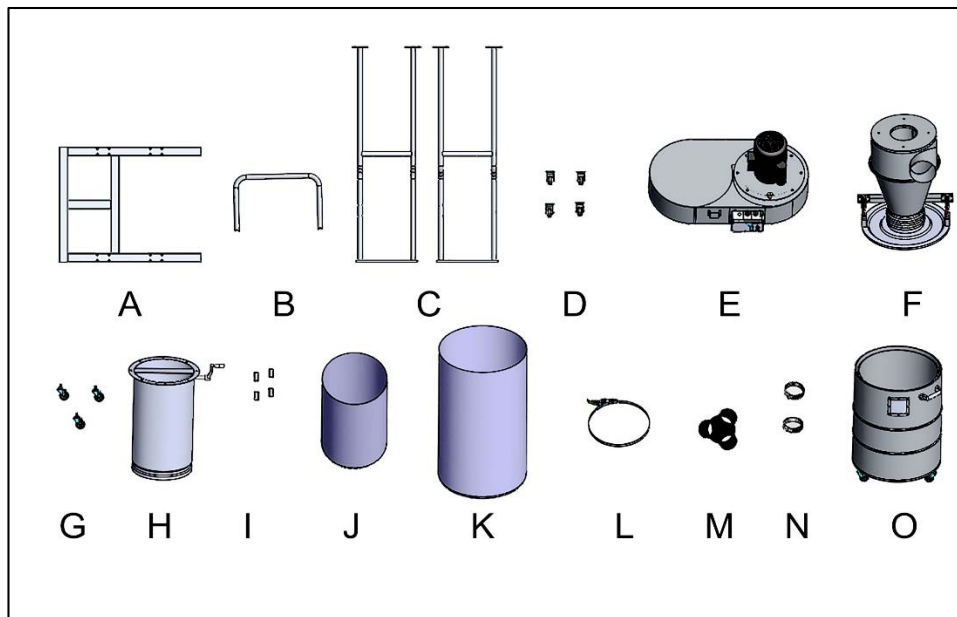
3.2 Placement location

Consider anticipated workpiece sizes and additional space needed for auxiliary stands, work tables, or other machinery when establishing a location for this machine in the shop. See 2.2 Dimensions for reference.

3.3 Unpacking

The machine is packed in three packages (One plywood cases and two cartons.)The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

A. Base	F. Cyclone funnel	K. Dust bag for collection drum
B.Handle	G. Wheels for collection drum	L. Bag clamp
C.Bracket	H. Canister filter	M. Inlet adapter
D.Wheels for base	I. End cap for base	N. Hose clamps
E. Impeller housing	J. Dust bag for filter	O. Collection drum

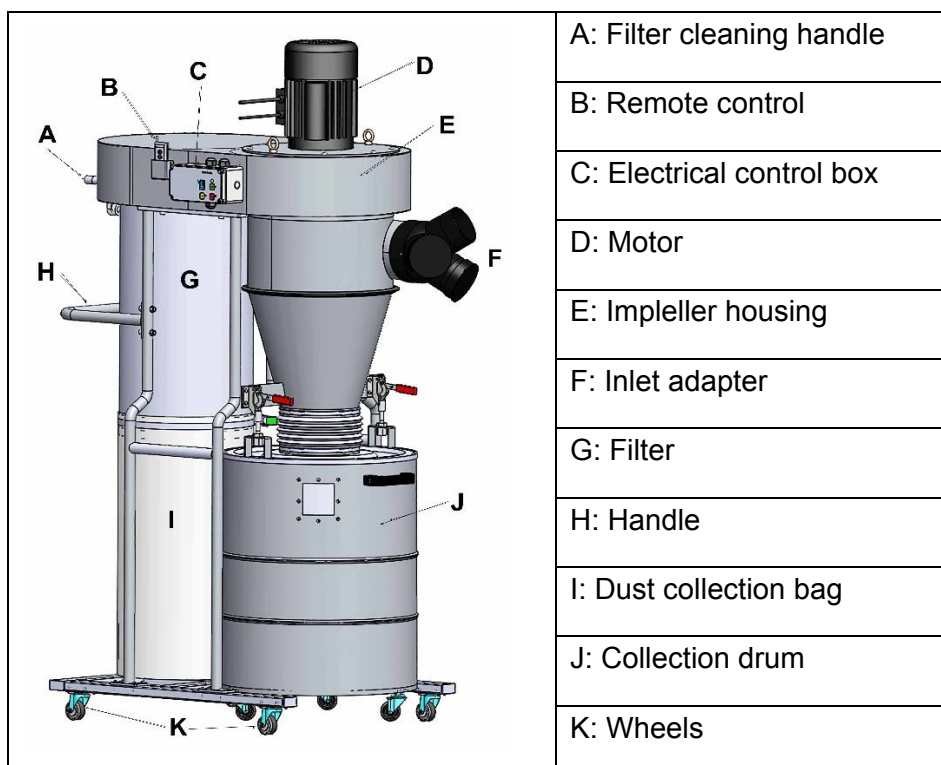


If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

3.4 Assembly

The machine must be fully assembled before it can be operated. Before beginning the assembly process, gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).

3.4.1 Know your dust collector



3.4.2 To assemble machine

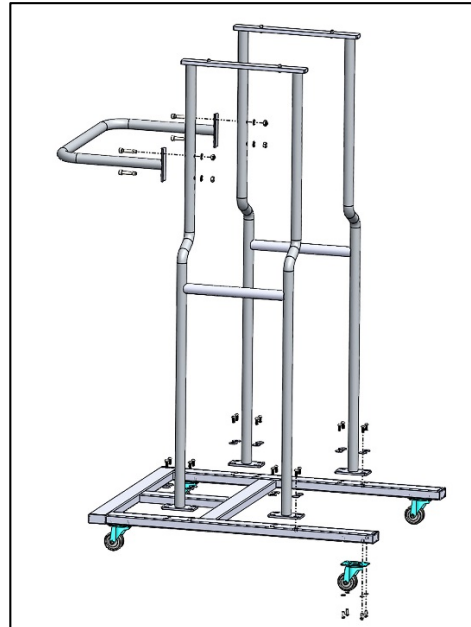


The machine is heavy.

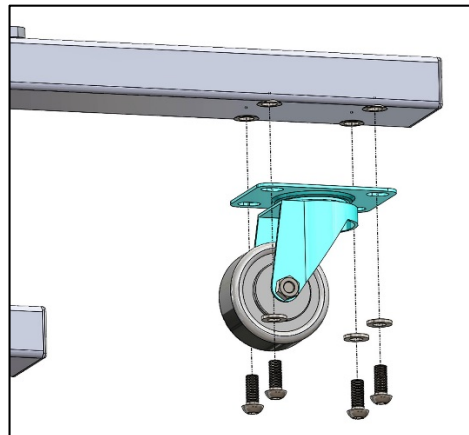
DO NOT over-exert yourself while assemble the machine. 2-3 manpower required to safely assemble it.

STEP-1 Install the main bracket.

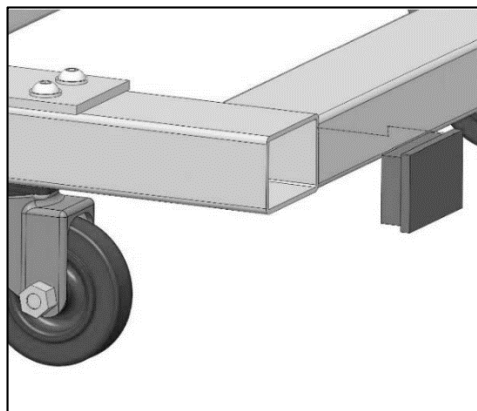
Please refer to the picture. ➡



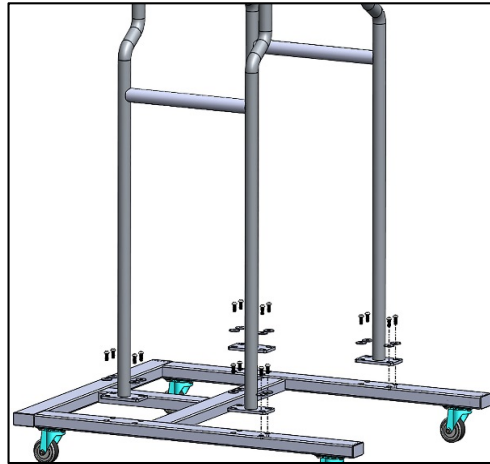
1.1 Install the wheels to the base by using the hexagon socket head bolt M6x15 and flat washer $\Phi 6$.



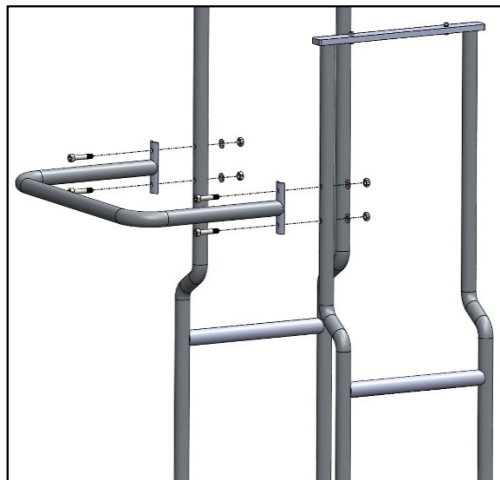
1.2 Insert the end cap into the four sides of the base.



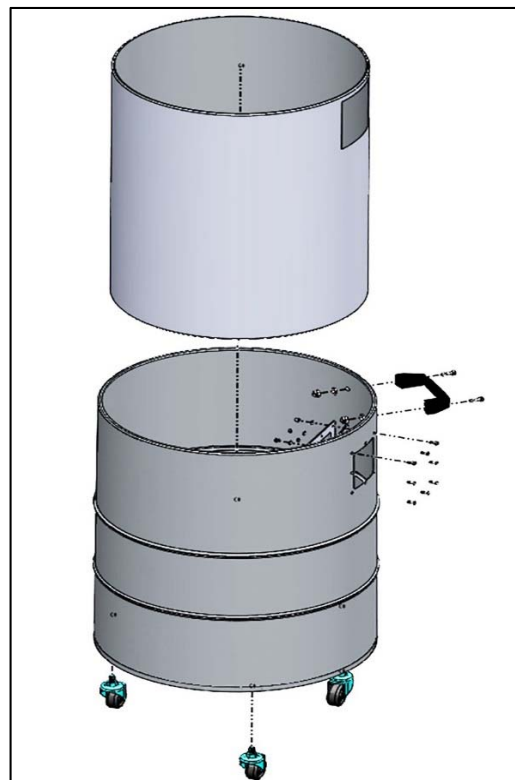
1.3 Fix the bracket to the base by using the hexagon socket head bolt M6x15 and washer $\Phi 6$.



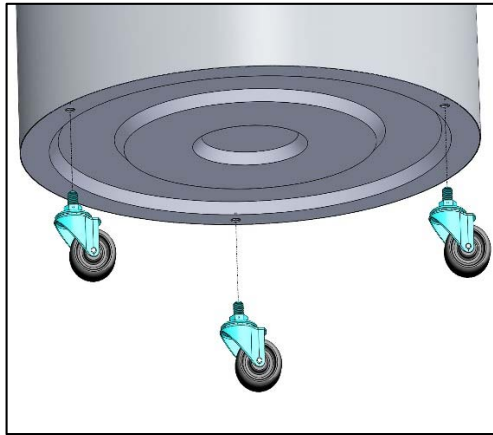
1.4 Install the handle to the bracket by using hexagon socket head cap bolt M8X40, washer $\Phi 8$ and nut M8.



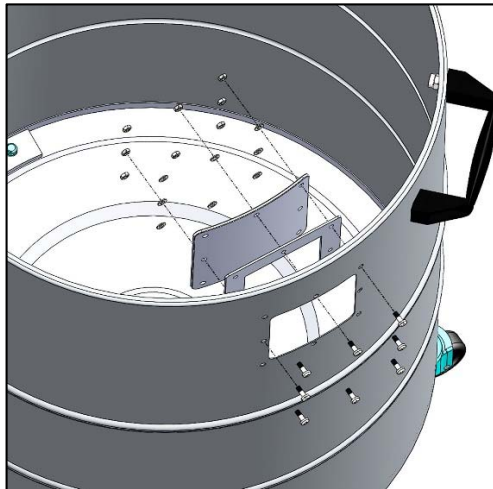
STEP-2 Install the dust collection drum.
Please refer to the picture. ➡



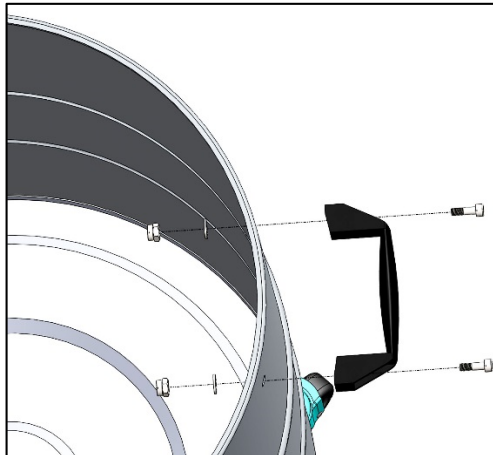
2.1 Install the three wheels to the base of the dust collection drum.



2.2 Fix the plexiglass and the rubber pad by head screw M4X12, flat washer $\Phi 4$ and nut M4.



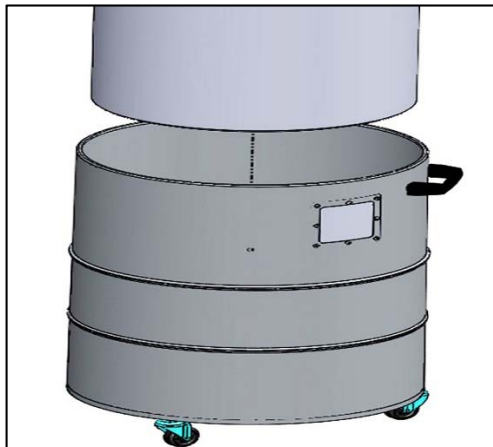
2.3 Install the handle bar to the dust collection drum by hexagon socket head bolt M8X20 and flat washer 8, self-locking nut M8.



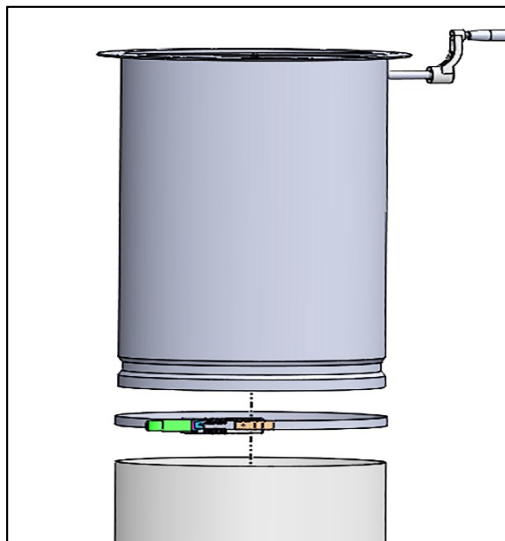
2.4 Place the inner drum into the dust collect bag and then put them togher into the collection drum.



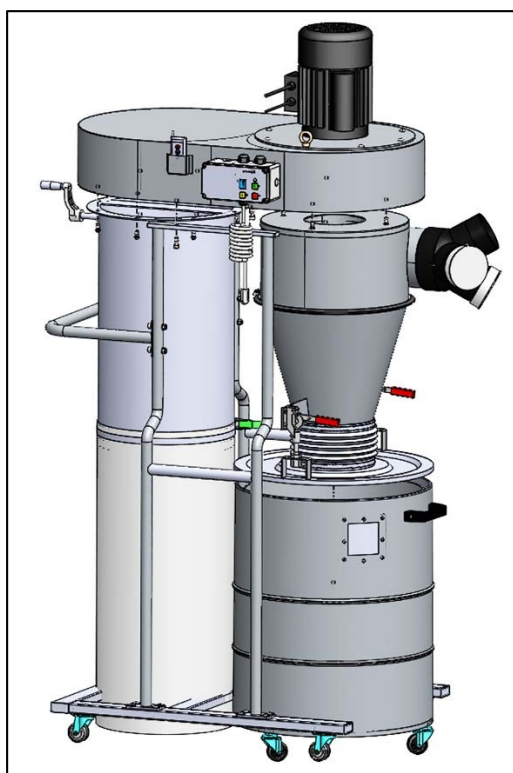
NOTE: The positons of two windows (inner & outer) should align to each other



STEP-3 Fasten the dust collect bag on the canister filter by bag clamp.
Please refer to the picture. ➡



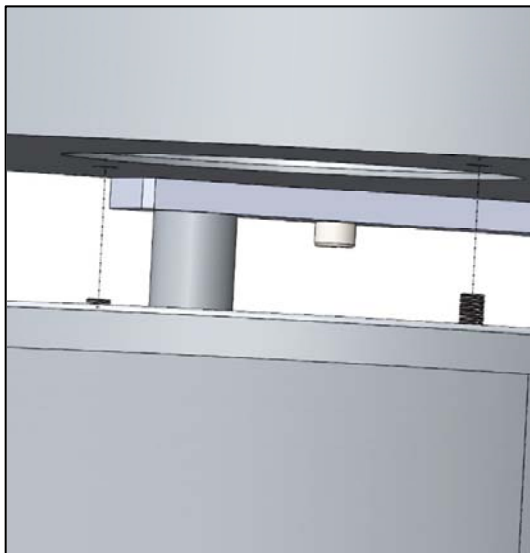
STEP-4 Final step: Combine the impller housing, machine bracket, cyclone funnel assembly, canister filter together.
Please refer to the picture. ➡



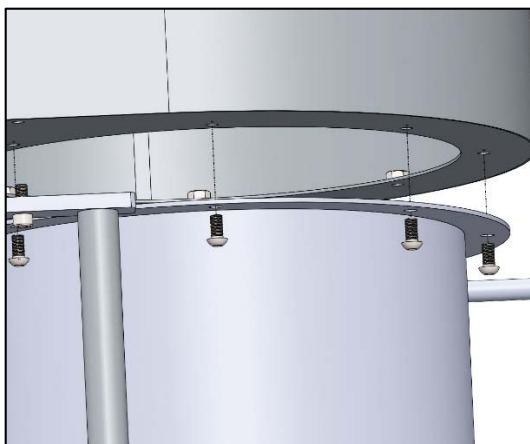
4.1 Fasten the impeller housing on the main bracket by bolt M8X20.



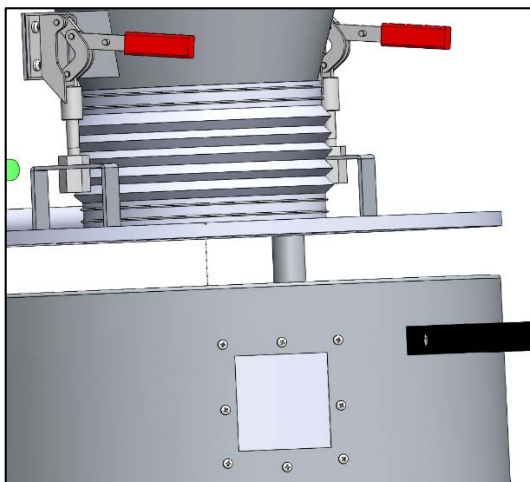
4.2 Fasten the cyclone funnel assembly on the impeller housing by bolt M8X16.



4.3 Fasten the canister filter on the impeller housing by bolt M8X16.

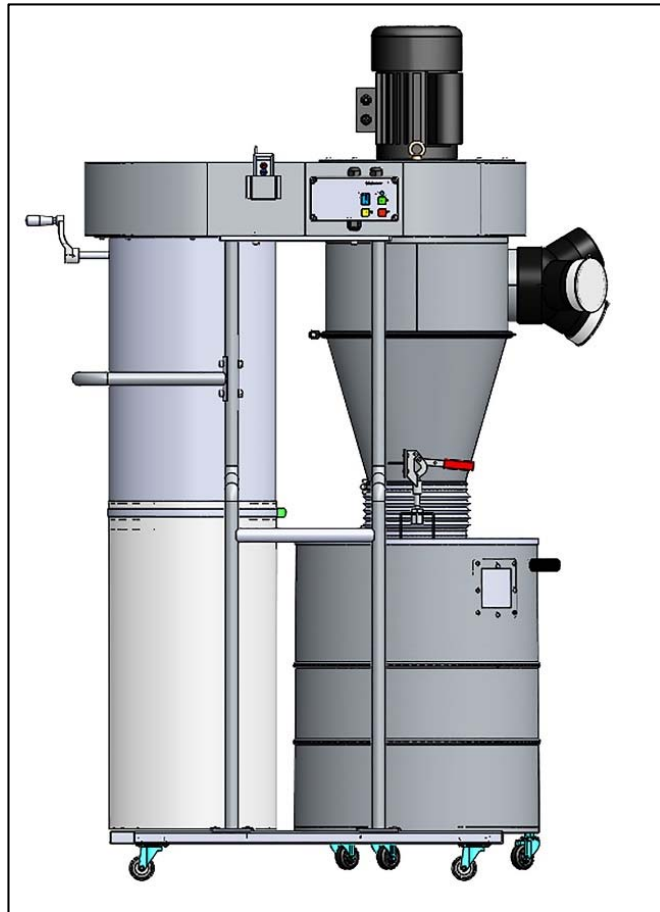


4.3 Fasten the dust collection drum on the drum cover by two drum lock handles.



The machine is installed well as the following picture.

Attention: Before use the machine, please check all the screws and bolts are tightened.



3.5 Initial commissioning

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning correctly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem BEFORE operating the machine again.



DO NOT start machine until all preceding setup instructions have been performed.

Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

To test run machine:

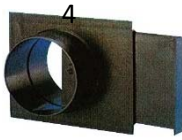
1. Clear all setup tools away from machine.
2. Lock all swivel casters on base stand.
3. Connect machine to dust-collection system or place covers over inlet adapter ports.



DO NOT operate the dust collector without first connecting it to a dust-collection system or covering an inlet adapter port. Otherwise, the lack of airflow resistance will cause the motor to operate at full amperage load, which could trip your circuit breaker or blow a fuse.

4. Connect machine to power.
5. Standing away from intake port, press button “ON” on the remote control to turn machine on.
6. Verify motor starts up and runs smoothly without any problems or unusual noises.
7. Press “OFF” button on the remote control to turn machine OFF.

3.6 Optional accessories for dust collector



Blast gate



Elbow



Adaptor



Connector



Connector



Canister filter



Flexible hose



Hose clamp



Bag clamp



Dust bag



More accessories available, please inquire the local retailer.

4. Operation

The purpose of this overview is to provide the novice machine operator with a basic understanding of how the machine is used during operation, so the machine controls/components discussed later in this manual are easier to understand. Due to the generic nature of this overview, it is not intended to be an instructional guide. To learn more about specific operations, read this entire manual, seek additional training from experienced machine operators, and do additional research outside of this manual by reading "how-to" books, trade magazines, or websites.



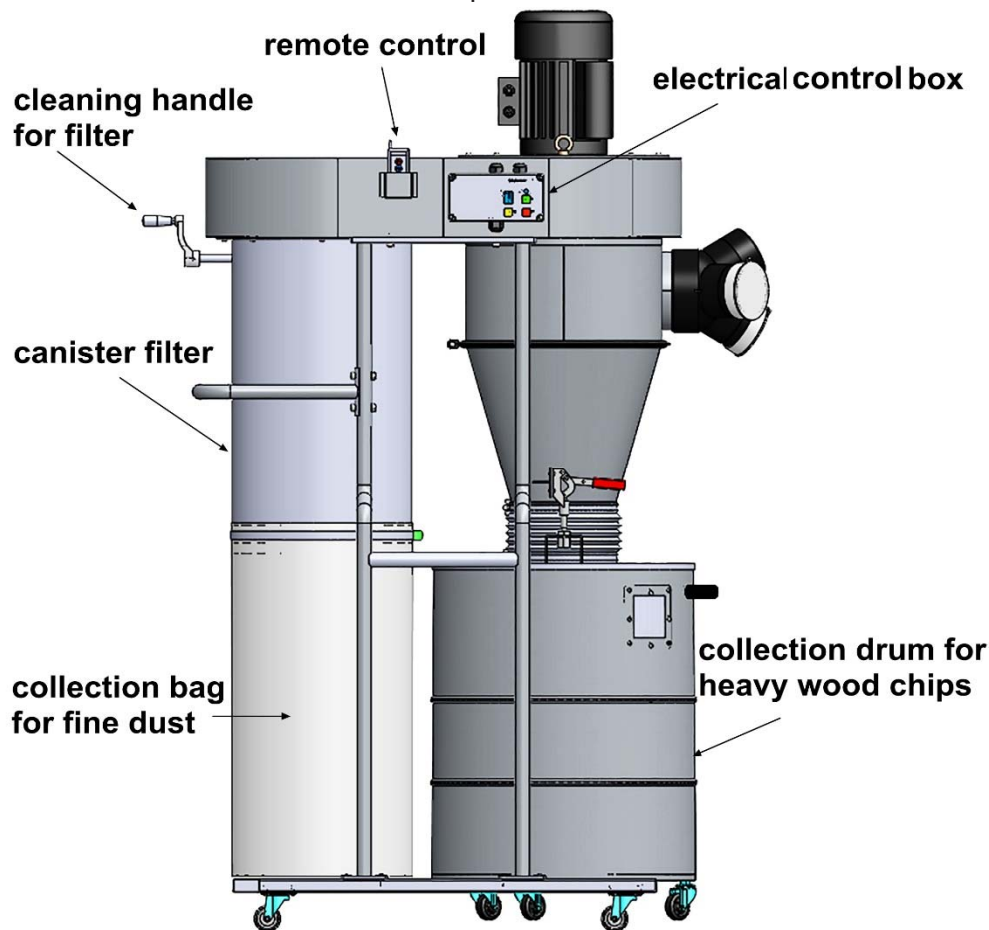
If you are not experienced with this type of machine, WE STRONGLY RECOMMEND that you seek additional training outside of this manual. Read books/magazines or get formal training before beginning any projects.

This cyclone dust collector creates a vortex of incoming air that extracts heavy wood chips and large dust particles, and then drops them into the collection drum.

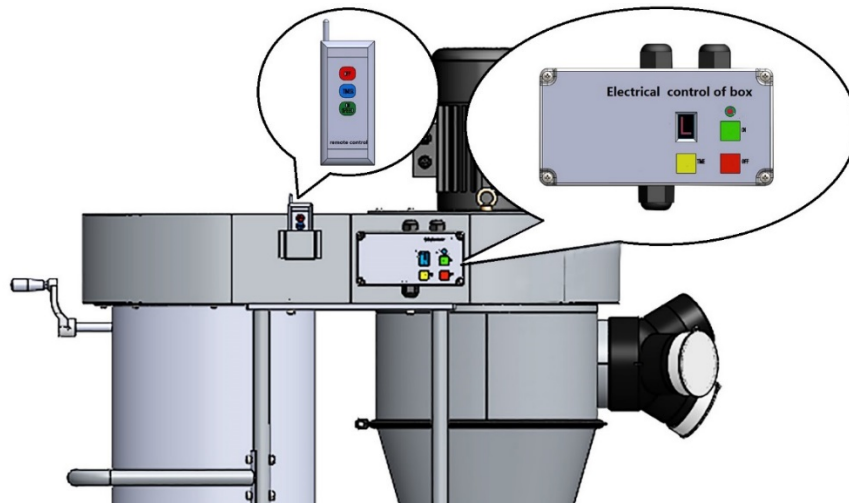
The remaining fine dust travels past the impeller and is then caught by a canister filter and deposited in the plastic collection bag below. The spun-bond polyester filters are pleated to provide maximum surface area for efficient air flow.

To maintain CFM during heavy dust-collection operations, turn the filter cleaning handle to knock caked-on dust into the plastic collection bag.

Always lock the front two swivel casters before operation.



4.1 Remote control and electrical control box



4.1.1 Remote control

The machine comes with a remote control which is convenient to control the machine at a certain distance.

There are three keys on the remote control:

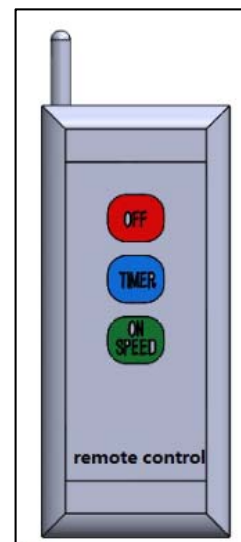
The top one is stop button.

The middle one is timer, which we could timing the machine to run at 2 hours, 4 hours, 6 hours and 8 hours.

The bottom buttons is ON to start the machine.



Note: The remote control requires one 23A 12V battery for operation.



4.1.2 Control box

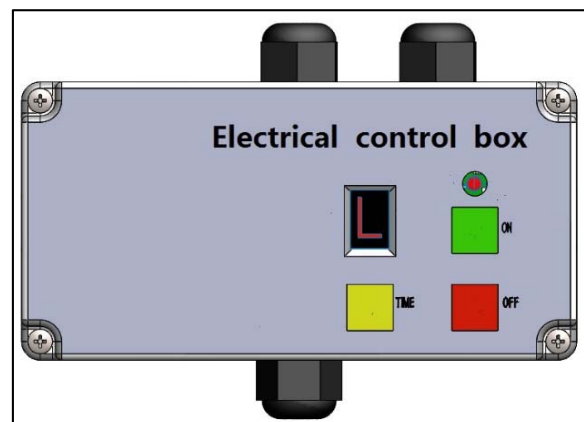
Except controlling the machine by remote control, the three buttons on the control box could be also used when need.

Green for ON: start the machine.

Yellow for TIMER: timing the running time.

Red for OFF: Turnoff the machine.

Besides, a digital readout on the panel is used to show the running time.



4.2 Tips for optimum performance

- ▲ Avoid using more than 10' of flexible hose on any ducting line. The ridges inside flexible hose greatly increase static pressure loss, which reduces suction performance.
- ▲ Keep ducts between the dust collector and machines as short as possible.
- ▲ Keep ducting directional changes to a minimum. The more curved fittings you use, the greater the loss of suction at the dust-producing machine.
- ▲ Gradual directional changes are more efficient than sudden directional changes (i.e. use 45° elbows in place of 90° elbows whenever possible).
- ▲ The simpler the system, the more efficient and less costly it will be.

4.3 Required CFMs

Since each machine produces a different amount of sawdust, the requirements for the minimum amount of CFM to move that sawdust is unique to the machine (for example, a planer produces more sawdust than a table saw). Knowing this required CFM is important to gauging which size of duct to use.

Refer to the figure below for a close estimation of the airflow each machine requires. Keep in mind that machines that generate the most sawdust should be placed closest to the dust collector. If the machine has multiple dust ports, the total CFM required is the sum of all ports.

Machine dust port Size	2"	2.5"	3"	4"	5"	6"	7"	8"	9"	10"
Approximate Required CFM	100	150	250	400	600	850	1200	1600	2000	2500

5. Maintenance

5.1 Schedule

For optimum performance from this machine, this maintenance schedule must be strictly followed ongoing.

To maintain a low risk of injury and proper machine operation, if you ever observe any of the items below, shut down the machine immediately and fix the problem before continuing operations:

- ▲ Loose mounting bolts.
- ▲ Damaged filter canister, cleaning paddle components, or collection bags.
- ▲ Worn or damaged wires.
- ▲ Suction leaks.
- ▲ Any other unsafe condition.

Monthly Check

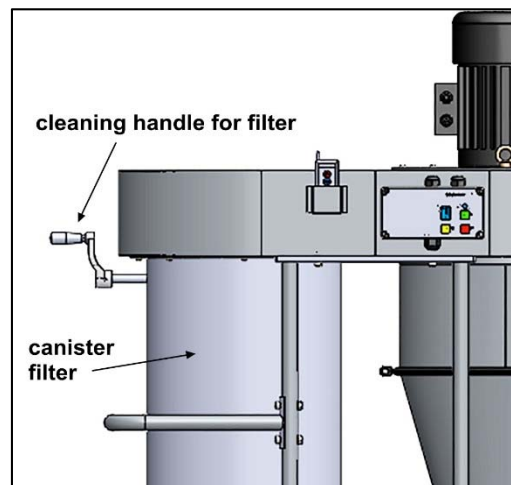
- ▲ Clean/vacuum dust buildup off machine body and motor.

5.2 Cleaning canister filter

This dust collector uses a handle and internal paddles to remove dust buildup and debris from the filter pleats. Turn the handle through its range of motion to clean the canister filter and knock dust cake into the filter bag.

For a more thorough cleaning every few months under heavy use, wash the filter by hand.

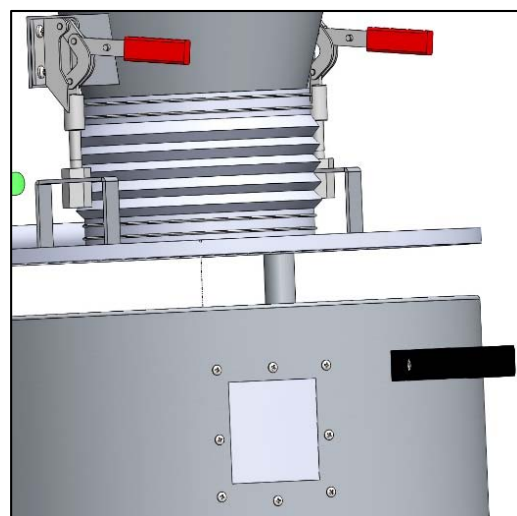
IMPORTANT: To contain wood dust and minimize risk of exposure, firmly tie bag closed.



5.3 Removing/Replacing collection drum bag

Dispose of the collection drum bag when dust fills it 3/4 full. Replace the bag if it develops a leak or becomes damaged.

1. DISCONNECT MACHINE FROM POWER!
2. Loose the two drum lock handles which tighten the drum cover to the collection drum
3. Take out the inner drum from the collection drum.
4. Clean or replace the bag.
5. Put the inner drum into the cleaned or new bag.
6. Tighten the drum cover to the collection drum by using the clamps.

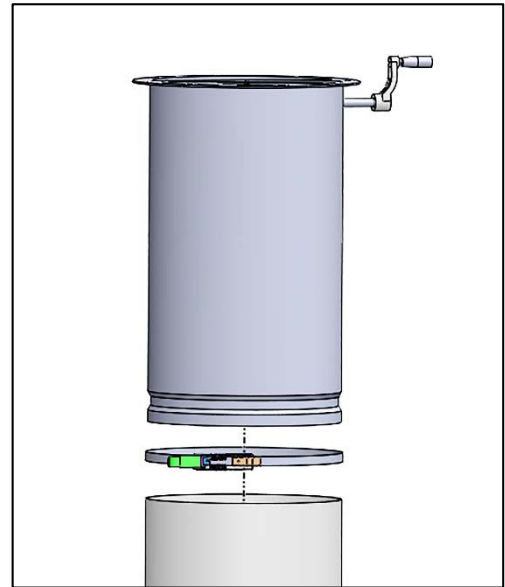


5.4 Removing/Replacing filter bag

Remove and replace the filter bag when it is about 1/2 full.

To remove & replace filter bag or bags:

1. DISCONNECT MACHINE FROM POWER!
2. Release clamp around bottom of canister filter, then remove filter bag.
3. Attach new filter bag around bottom of canister filter and secure with clamp.



5.5 Removing/Replacing canister filter

If the canister filter is clogged or dirty and cleaning or washing it does not improve dust-collection performance, the canister filter must be replaced.

To remove and replace canister filter:

1. DISCONNECT MACHINE FROM POWER!
2. Loose the hexagon socket button screw M6X15 which fixed the seal pad and canister filter to the main housing assembly.
3. Install the seal pad and new canister filter to the main housing assembly by the screw M6X15.



Dust exposure created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Always wear goggles and a NIOSH approved respirator when working with the dust collection bags or canisters.

6. Troubleshooting

Review the troubleshooting procedures in this section if a problem develops with your machine. If you need replacement parts or additional help with a procedure, callb us.

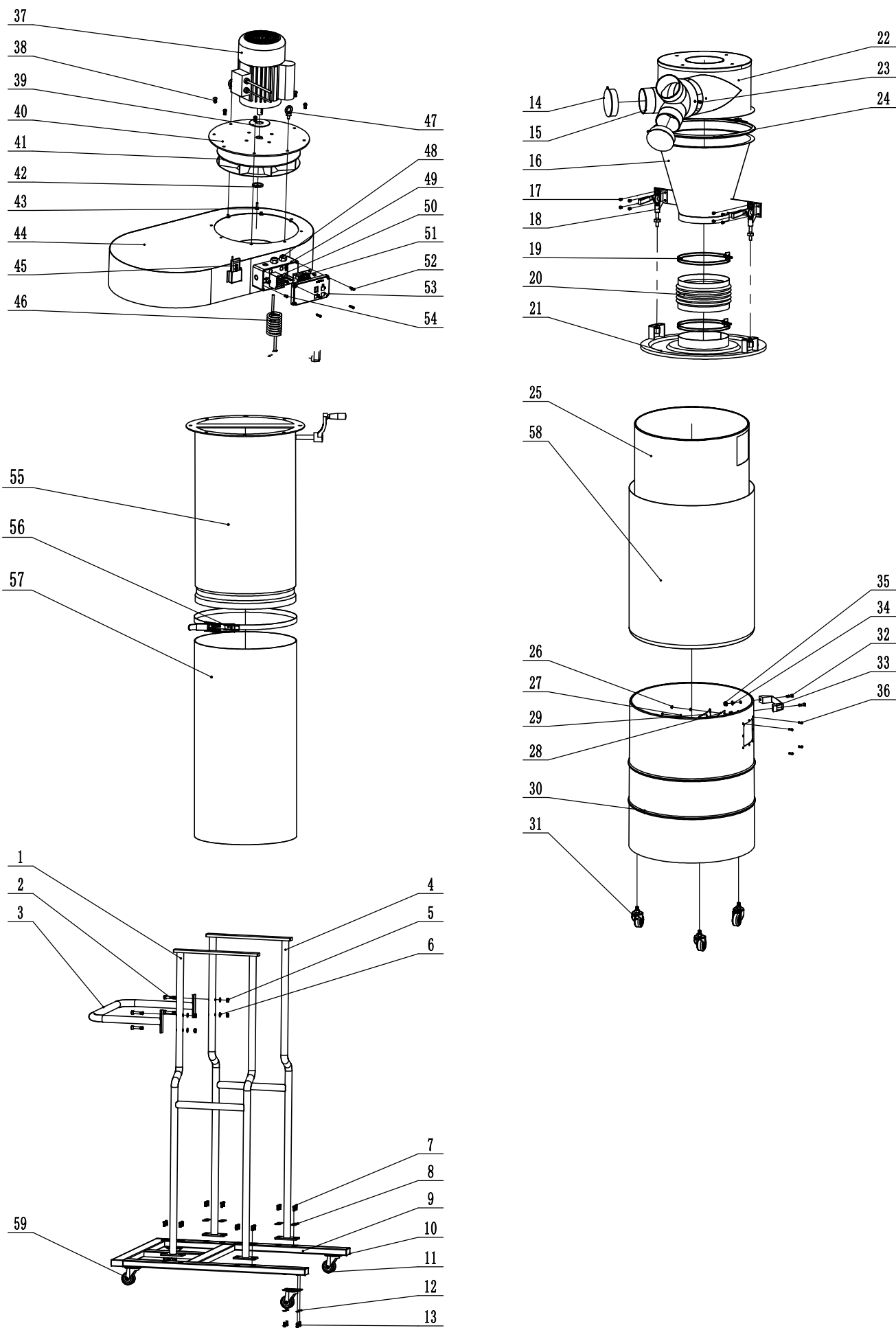
Note: Please gather the serial number and manufacture date of your machine before calling.

Symptom	Possible Cause	Possible Solution
Machine does not start, or powersupply fuse/breaker trips immediately after startup.	1. Dust collector not properly connected to ducting. 2. Incorrect power supply voltage or circuit size. 3. Power supply circuit breaker tripped or fuse blown. 4. Motor overheated. 5. Machine circuit breaker has tripped. 6. Wiring open/has high resistance. 7. Power switch/circuit breaker at fault. 8. Start capacitor at fault. 9. Motor at fault.	1. Connect dust collector to ducting. 2. Ensure correct power supply voltage and circuit size. 3. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse. 4. Allow motor to cool, reset overload if necessary. 5. Reset circuit breaker on switch. 6. Check/fix broken, disconnected, or corroded wires. 7. Test/replace. 8. Replace. 9. Test/repair/replace.
Machine seems underpowered.	1. Motor overheated. 2. Dust-collection ducting problem. 3. Canister filter clogged/at fault. 4. Dust collector too far from machine or undersized for dust-collection system. 5. Run capacitor at fault. 6. Motor bearings at fault.	1. Allow motor to cool, reset overload if necessary. 2. Clear blockages, seal leaks, use smooth-wall duct, eliminate bends, close other branches. 3. Clean canister filter; replace canister filter. 4. Move closer to machine/redesign ducting layout/upgrade dust collector. 5. Test/repair/replace. 6. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.
Machine has vibration or noisy operation.	1. Motor or component loose. 2. Motor fan rubbing on fan cover. 3. Motor mount loose/broken. 4. Impeller damaged, unbalanced, or loose. 5. Motor bearings at fault. 6. Motor shaft bent.	1. Inspect/replace damaged bolts/nuts, and retighten with thread-locking fluid. 2. Fix /replace fan cover; replace loose/damaged fan. 3. Tighten/replace. 4. Inspect/tighten/replace. 5. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement. 6. Test with dial indicator. Replace motor if damaged.
Loud, repetitious noise, or excessive vibration coming from dust collector (non-motor related).	1. Dust collector not on a flat surface and wobbles. 2. Impeller damaged and unbalanced. 3. Impeller loose on the motor shaft.	1. Stabilize dust collector; lock casters. 2. Inspect/replace. 3. Secure impeller; replace motor and impeller as a set if motor shaft and impeller hub are damaged.

Symptom	Possible Cause	Possible Solution
Dust collector does not adequately collect dust or chips; poor performance.	1. Collection bag full. 2. Canister filter clogged/at fault. 3. Ducting blocked/restricted. 4. Dust collector too far away from point of suction; duct clamps not properly secured; too many sharp bends in ducting. 5. Lumber is wet and dust is not flowing smoothly through ducting. 6. Ducting has one or more leaks, or too many open ports. 7. Not enough open branch lines at one time, causing velocity drop in main line. 8. Ducting and ports are incorrectly sized. 9. The machine dust-collection design inadequate. 10. Dust collector undersized.	1. Empty collection bag. 2. Clean canister filter; replace canister filter. 3. Remove ducting from dust collector inlet and unblock restriction. A plumbing snake may be necessary. 4. Relocate dust collector closer to point of suction; re-secure ducts; remove sharp bends. 5. Only process lumber with less than 20% moisture content. 6. Seal/eliminate all ducting leaks; close dust ports for lines not being used. Refer to Designing the System in manual. 7. Open 1 or 2 more blast gates to different branch lines to increase main line velocity. 8. Install correctly sized ducts and fittings 9. Use dust-collection hood on stand. 10. Install larger dust collector.
Dust collector blows sawdust into the air.	1. Duct clamps or filter bag(s) are not properly clamped and secured; ducting loose/ damaged. 2. Cylinder or funnel seals are loose or damaged.	1. Re-secure ducts and filter bag, making sure duct and bag clamp are tight; tighten/replace ducting. 2. Retighten all mounting and sealing points; replace damaged seals/gaskets.

7. Diagram and part list

7.1 Diagram



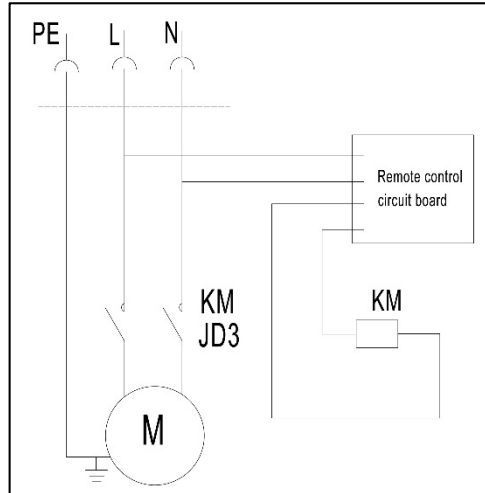
7.2 Part list

Part No.	Description	Qty
1	Left bracket	1
2	Hexagon screw M8X40	4
3	Pull handle	1
4	Right bracket	1
5	M8 nut	4
6	Flat washer 8	4
7	Round head screw M6X15	16
8	Washer 6	16
9	Base	1
10	End cap	4
11	Castors	2
12	Flat washer 6	16
13	Hexagon screw M6X15	16
14	Cover	2
15	Connector 1-3	1
16	Cyclone funnel	1
17	Cross head screw M5X8	8
18	Drum clamp handle	2
19	Hose clamp Φ 200	2
20	Tube	1
21	Drum cover	1
22	Impleller housing	1
23	Cross head screw M5X8	1
24	Steel hoop	1
25	Inner drum	1
26	M4 nut	8
27	Flat washer 4	8
28	Rubber pad	1
29	Plastic plate	1

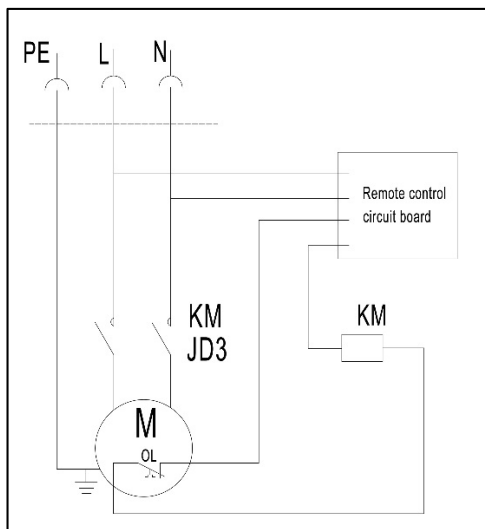
Part No.	Description	Qty
30	Dust collection drum	1
31	Caster	3
32	Hexagon screw M8X20	2
33	Handle	1
34	Flat washer 8	2
35	Self-locking nut M8	2
36	Cross head screw M4X12	8
37	Motor	1
38	Hexagon screw M8X16	6
39	Rubber pad	1
40	Motor plate	1
41	Impeller	1
42	Retaining ring	1
43	Hexagon screw M6X20-Left	1
44	Volute	1
45	Remote control	1
46	Power cable	1
47	Ring screw M8X16	2
48	Strain relief M20X1.5	3
49	Switch box	1
50	AC contactor	1
51	PCB	1
52	Self-tapping screw S3.5X20	4
53	Switch cover	1
54	Cross head screw M5X8	4
55	Filter	1
56	Hose clamp	1
57	Small dust bag	1
58	Big dust bag	1
59	Caster	2

7.3 Wiring diagram

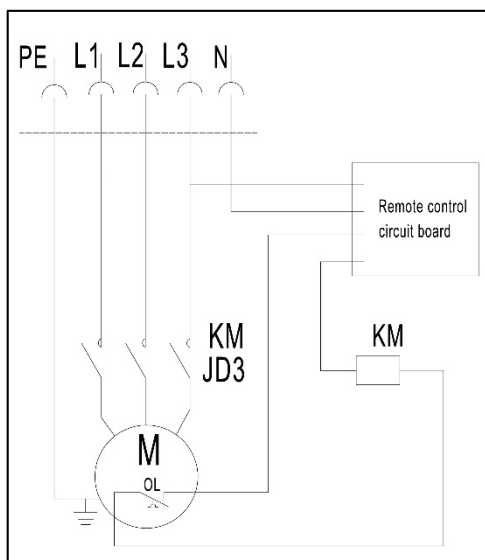
120V/60HZ →



230V/50HZ →



400V/50HZ →



Declaration of Conformity



Nationality	
GB	The object of the declaration described is in conformity with the relevant GB/EU legislation.
DE	Der Gegenstand der beschriebenen Erklärung stimmt mit den einschlägigen GB/EU-Rechtsvorschriften überein.
FR	L'objet de la déclaration décrite est conforme à la législation GB/UE pertinente.
IT	L'oggetto della dichiarazione descritta è conforme alla legislazione GB/UE pertinente.
ES	El objeto de la declaración descrita está en conformidad con la legislación GB/UE pertinente.
NL	Het voorwerp van de beschreven verklaring is in overeenstemming met de relevante GB/EU-wetgeving.
DK	Genstanden for den beskrevne erklæring er i overensstemmelse med den relevante GB/EU-lovgivning.
SE	Föremålet för den beskrivna deklarationen överensstämmer med den relevanta GB/EU-lagstiftningen.
CZ	Předmět popsaného prohlášení je v souladu s příslušnými právními předpisy GB/EU.
PL	Przedmiot opisanej deklaracji jest zgodny z odpowiednimi przepisami GB/UE.
POR	O objeto da declaração descrita está em conformidade com a legislação GB/UE relevante.
NOR	Gjenstanden for den beskrevne erklæringen er i samsvar med den relevante GB/EU-lovgivningen.
FI	Määritellyn ilmoituksen kohde on asiaankuuluvan Ison-Britannian/EU: n lainsäädännön mukainen.
IS	Hluturinn í lýsingunni er í samræmi við viðeigandi lög GB/ESB.

Object of the Declaration: Axminster Professional AP145CE Cyclone Extractor

UK:

Supply of Machinery (Safety) Regulations
2008 as amended
Electromagnetic Compatibility Regulations
2016 as amended

EU:

Machinery Directive 2006/42/EC
EMC Directive 2014/35/EU

UK Address:

Newhow Limited.
Trading as Axminster Tools
Weycroft Avenue
Axminster, Devon
EX13 5PH

Standards used or references to the other technical specifications in relation to which conformity is declared:

EN 60335-2-69:2012, IEC 60335-1:2023, EN 62233:2008

IEC 55014-1:2021, IEC 55014-2:2021, IEC 61000-3-2:2019+A1, 61000-3-3:2013+A1+A2

Date: 7/7/2025

Place: Axminster

Charlie Cross
Operations Director

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Netherlands