



AW1500DE Dust 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

Code	113336
Version	1
Published Date	15/12/2025

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.



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.
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.
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.

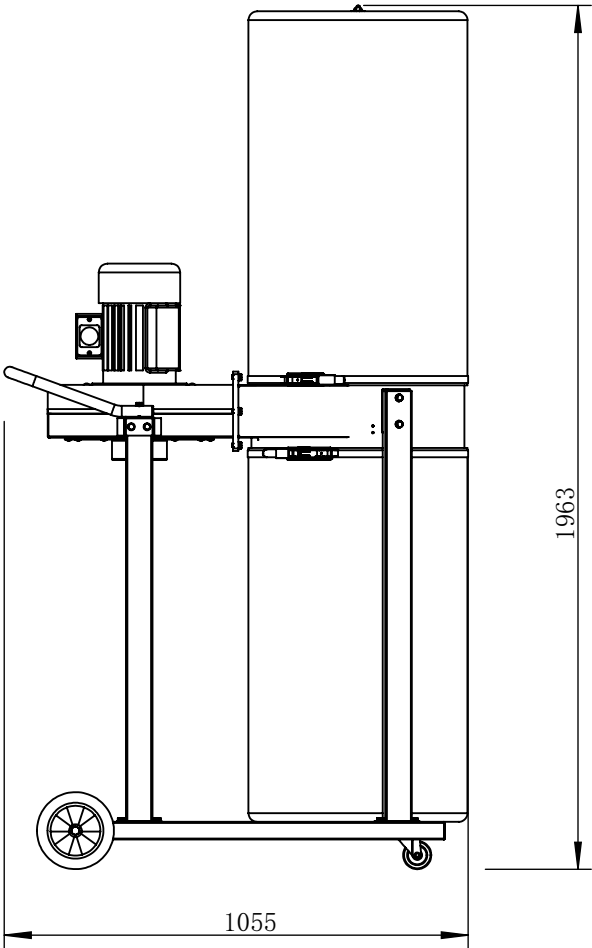
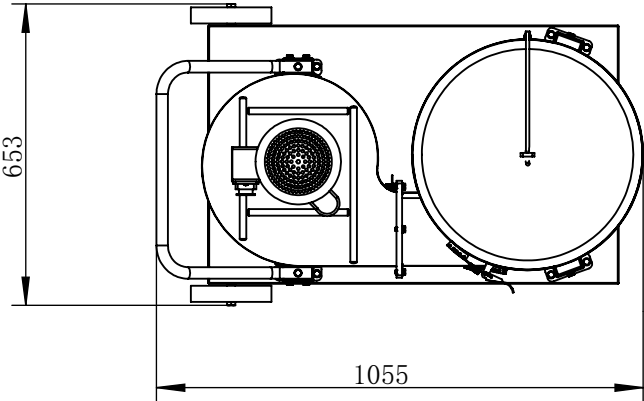
2. Technical Specification

2.1 Specification

MODEL NO.	AW1500DE	
Motor	1500W	
Motor Speed	50Hz:2850r/min 60Hz:3420 r/min	
Remote Control	NO	
Fan diameter	305mm	
Inlet diameter	125mm	
Number of intake holes	2x100mm	
Cartridge filtration area	---	
Cartridge filtration rate	---	
Filter bag size	500x850mm	
Filter bag area	1.65 m ²	
Collect bag size	500x850mm	
Collect bag volume	0.17 m ³	
Negative pressure value	50Hz: 2kpa 60Hz: 2.7kpa	
Air flow	50Hz: 1360 m ³ /h 60Hz: 1632 m ³ /h	
Noise level	83dB	
Overall size	1035X653X1963mm	
Packing size	992X582X625mm	
N/G weight	41.5/47.5KG	

2.2 Dimensions

AW1500DE



3. Assembly

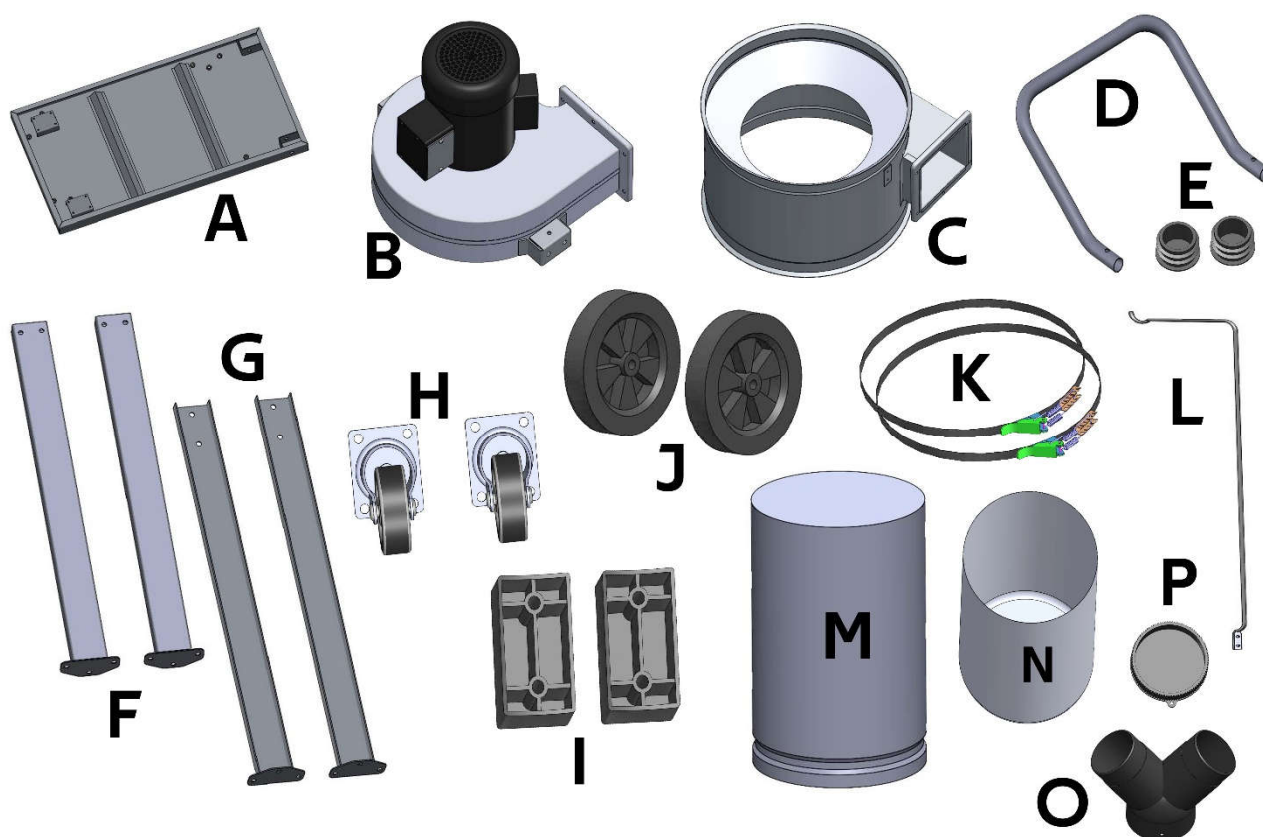
The dust collector is delivered not pre-assembled. After unpacking, the machine must be installed.



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 Unpacking

The machine is packed in one carton. Before beginning setup, lay these items out and inventory them. The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.



A. Base	B. Fan housing assembly	C. Dust collect
D. Pull handle	E. End cap for handle	F. Support legs for fan housing
G. Support legs for dust collect	H. 2.5" caster wheels	I. Spacer pad
J. 7" caster wheels	K. Bag clamps	L. Bag support for AW1500DE
M. Upper bag for AW1500DE		N. Dust collect bag
O: Inlet Adaptor 2x100mm		P. End cap for Inlet Adaptor



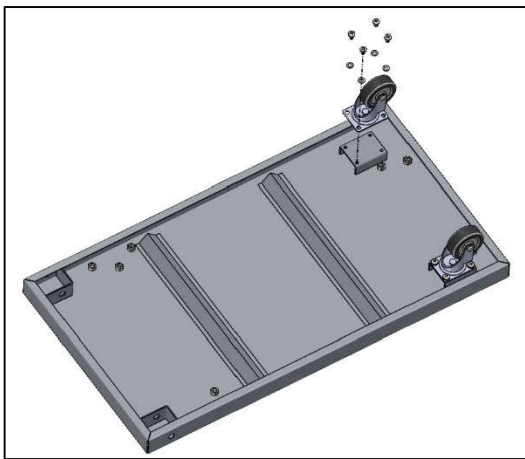
If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

3.2 Assembly

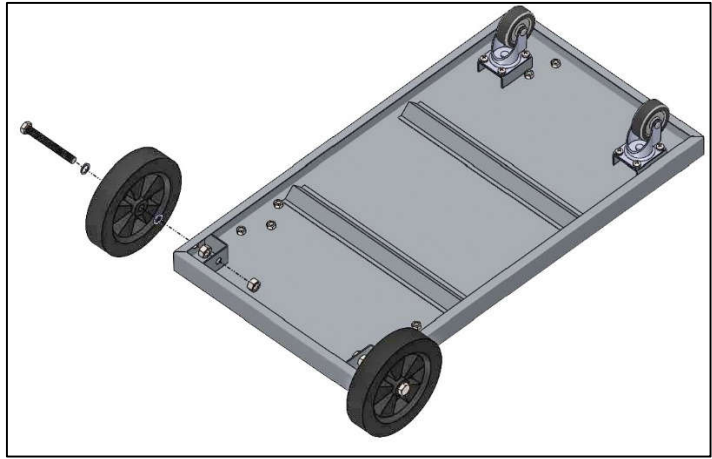
The machine must be fully assembled before it can be operated. Before beginning the assembly process, gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).

To assemble machine

1. Mount the two 2.5" caster wheels onto the base plate by Hexagonal head screws M6X10 and Flat washer 6. (Pic.1)

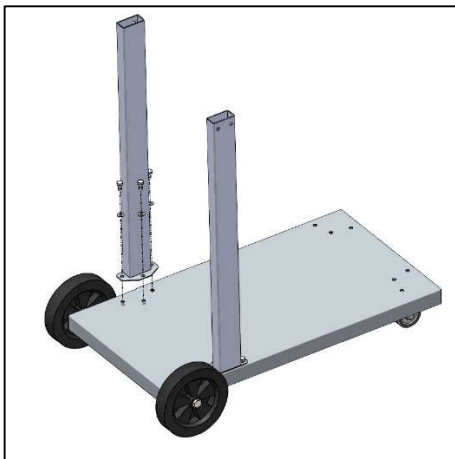


Pic.1

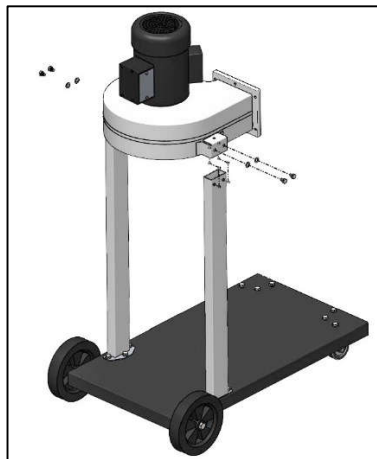


Pic.2

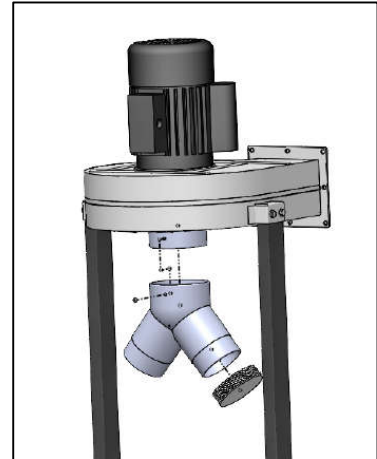
2. Mount the two 7" caster wheels onto the base plate by bolt M2x120, Nut and Flat washer 12. (Pic.2)
3. Mount the two support leg for the fan housing on the base by screw M5X8 and washer. (Pic.3)
4. Install the motor fan housing assembly on the support legs by bolt M8X16 and washer 8. (Pic.4)
5. Install the inlet adaptor and end cap on the dust collector. (Pic.5)



Pic.3

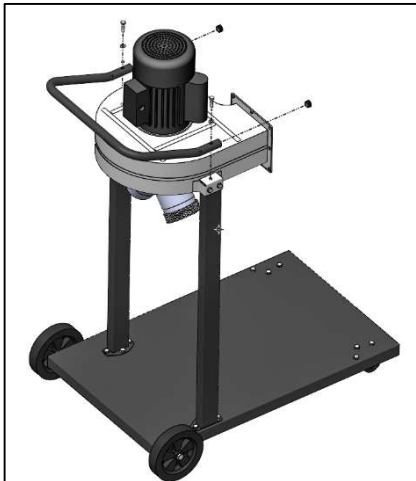


Pic.4



Pic.5

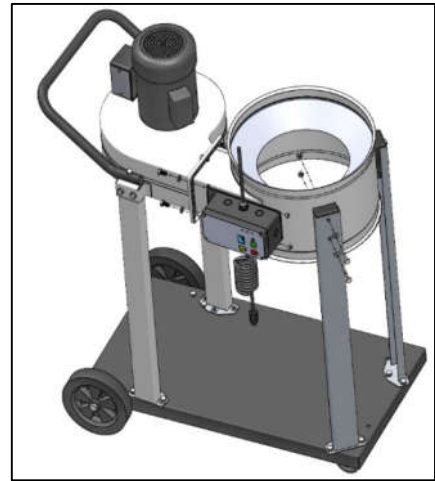
6. Install the handle on the fan housing by bolt M8X35 and washer 8. Press the two end caps in to the handle. (Pic.6)
7. Mount the two collector support legs on the base plate by bolt M8X16 and washer 8. (Pic.7)
8. Install the dust collect on the support leg and then connect the dust collect and fan housing together. (Pic.8)
9. Install the dust collect bag and clamp it by the bag clamp. Install the filter bag and then fasten it by the bag clamp. Use the bag support to support the filter bag (For AW1500DE). (Pic.9)



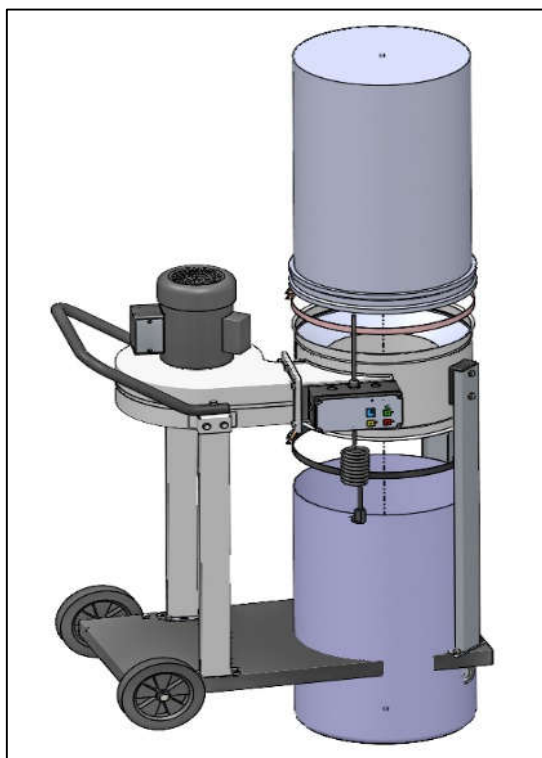
Pic.6



Pic.7



Pic.8

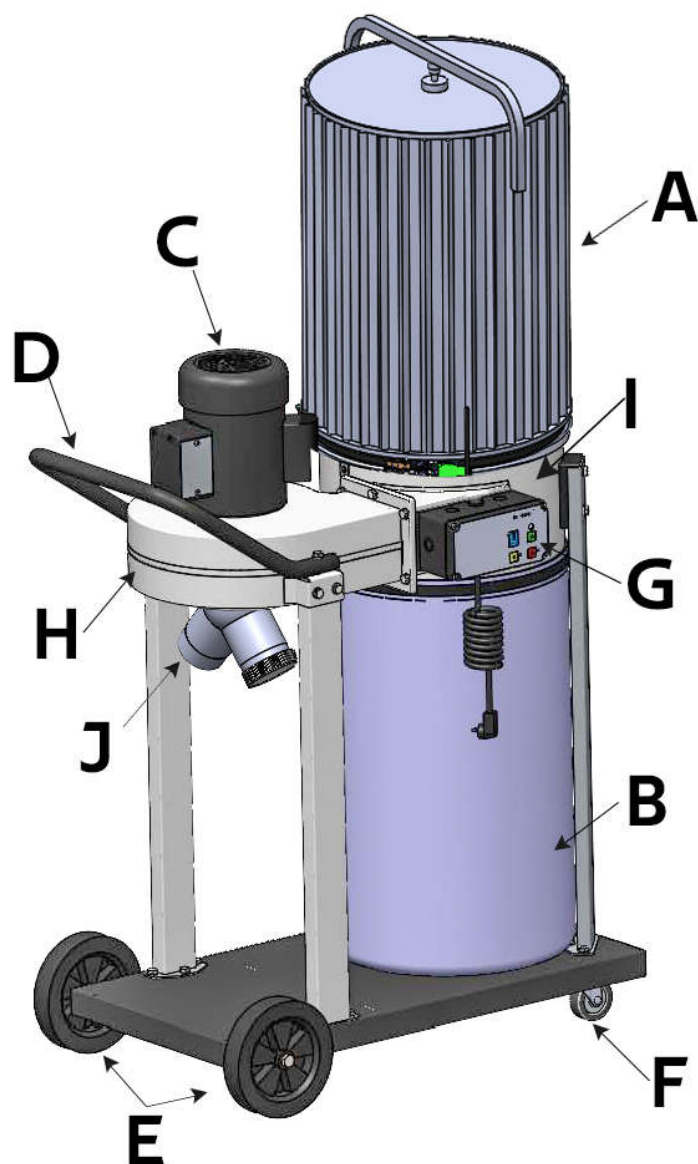


Pic.9



Now, the assembly work is basically finished. Before using the machine, please make a test firstly: Press the 'GREEN' button to switch on. Check that everything is working correctly then switch off by pressing the 'RED' button. Disconnect the machine from the mains supply.

3.3 Know your machine



A	Upper Filter bag for AW1500DE
B	Dust collect bag
C	Motor
D	Pull handle
E	7" Caster wheels
F	2.5" Caster wheels
G	Control box N/A
H	Fan housing assembly
I	Dust collect assembly
J	2X100mm inlet adaptor

4. Operation



DO NOT OPERATE WITHOUT ALL PARTS IN PLACE!

Do not attempt to clean, remove/attach dust bags or carry out any servicing to the unit whilst it is in operation.

ALWAYS ensure it is switched off and isolated from the mains by removing the plug from the socket.



CAUTION: THE BLOWER HOUSING CONTAINS A HIGH SPEED FAN BLADE THAT COULD AMPUTATE FINGERS, GRAB LOOSE CLOTHING AND NECKTIES ETC, AND PROPEL DUST AT VERY HIGH VELOCITIES.

A suitable length of flexible hose can be fitted to the collector inlet using the adaptor supplied. The collector can also be connected directly to the woodworking machine being used, using the

appropriate hose and adapters which can be purchased separately.

Take care never to suck in foreign objects such as screws, nails, large pieces of plastic or wood.

4.1 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).

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



DISCONNECT THE EXTRACTOR FROM THE MAINS SUPPLY BEFORE CONTINUING.

Daily

- Empty the collection bag before it overflows; wear a dust mask whilst removing and emptying the bag.

Weekly

- Check the inlet and outlet duct and remove any accumulated sawdust.
- Check the inlet hoses for splits and cracks; repair as necessary.
- Check the dust collection bag for wear and tear, especially around the neck of the retaining clip. If wear or fraying is occurring, replace the bag.
- Check the motor for dust, sawdust, shavings etc, build up. If this has occurred, clean with a vacuum cleaner.

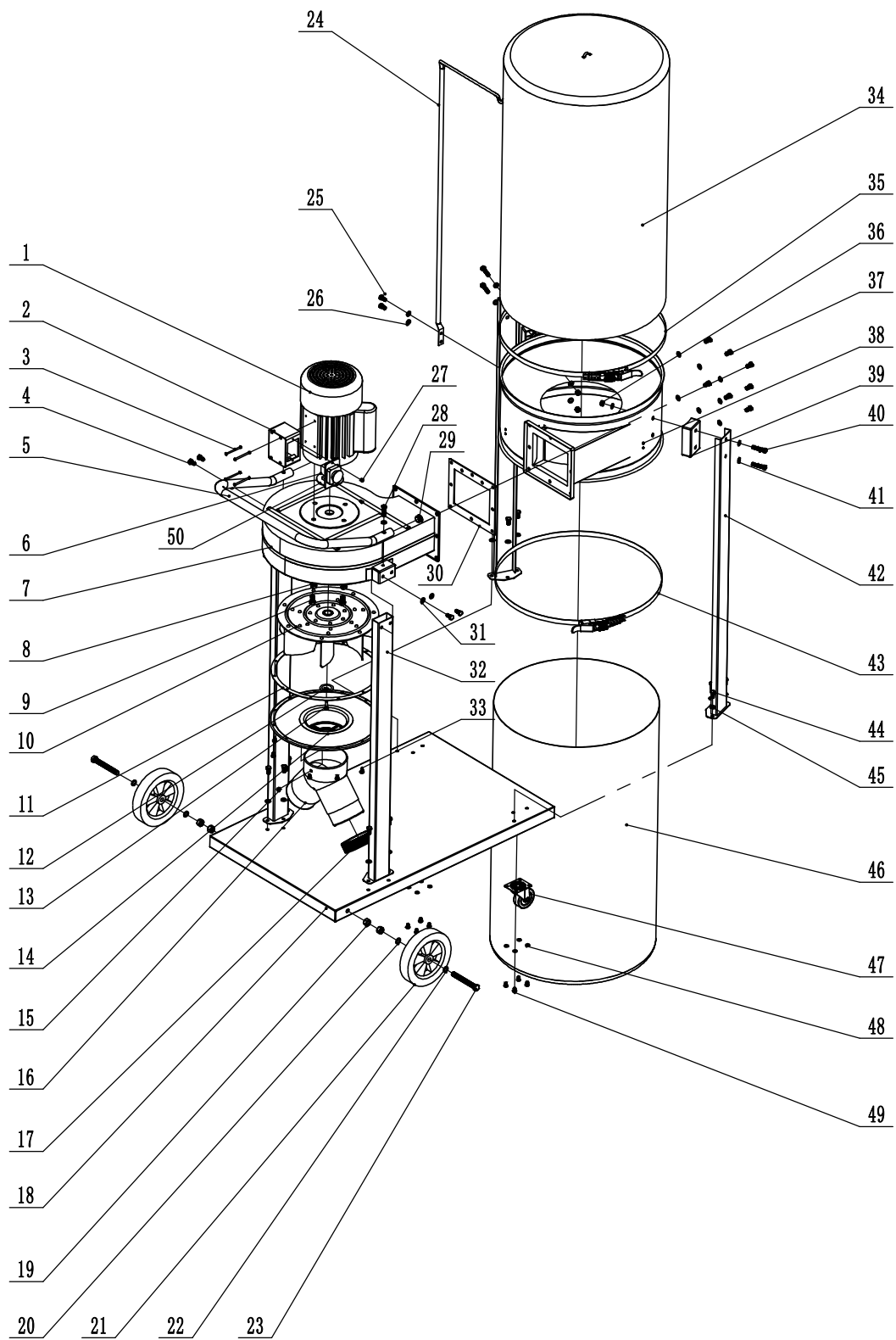
CAUTION:



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. Diagram and part list

6.1 AW1500DE



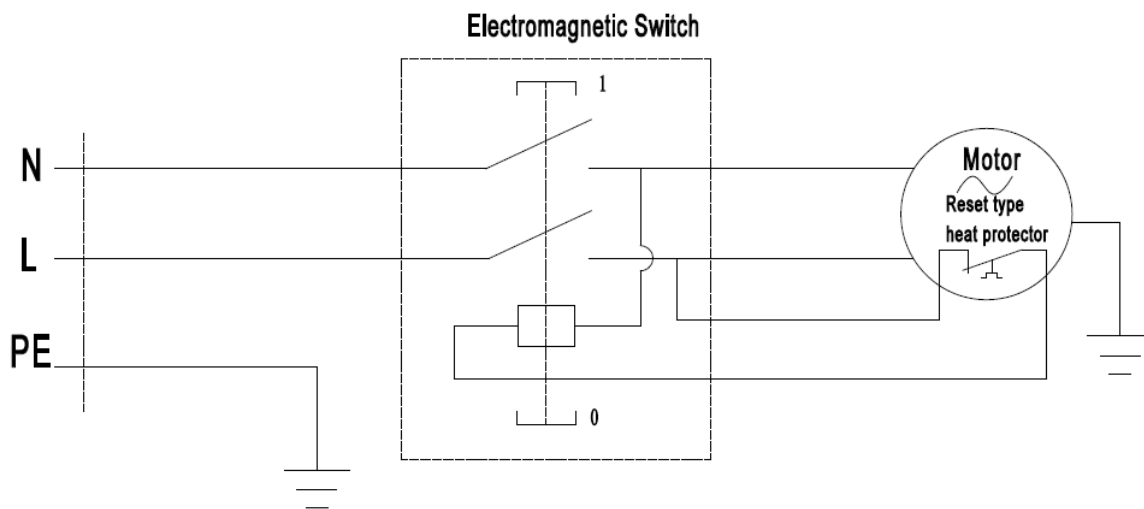
No.	Description	Qty
1	Motor	1
2	Switch box	1
3	Screw M4X60	4
4	Bolt M8X16	4
5	Handle	1
6	Switch	1
7	Impeller housing	1
8	Spring washer 10	4
9	Hexagonal Bolt M10X20	4
10	Impeller	1
11	Sealing ring	1
12	Retaining ring	1
13	Hexagonal Bolt M6X20	1
14	Inlet port	1
15	Screw M5X8	1
16	Inlet Adaptor	1
17	End Cap	1
18	Base	1
19	Nut M12	4
20	Washer 12	2
21	7-inch casters	2
22	Flat washer 12	2
23	Hexagonal bolt M12X120	2
24	Bag support rod	1
25	Hexagonal bolt M8X16	2

No.	Description	Qty
26	Flat washer 8	2
27	Self-tapping screw ST4X12	2
28	Hexagonal bolt M8X35	2
29	End Cap	2
30	Sealing gasket	1
31	Flat washer 8	4
32	Support leg	2
33	Screw M6X10	12
34	Filter bag	1
35	Upper bag clamp	1
36	Nut M8	4
37	Hexagonal bolt M8X16	8
38	Dust collect	1
39	Spacer pad	2
40	Hexagonal head bolt M8X45	4
41	Flat washer 8	4
42	Support leg	2
43	Lower bag clamp	1
44	Hexagonal bolt M8X16	12
45	Flat washer 8	12
46	Dust collect bag	1
47	2.5-inch casters	2
48	Flat washer 6	8
49	Screw M6X10	8
50	Motor rubber pad	1

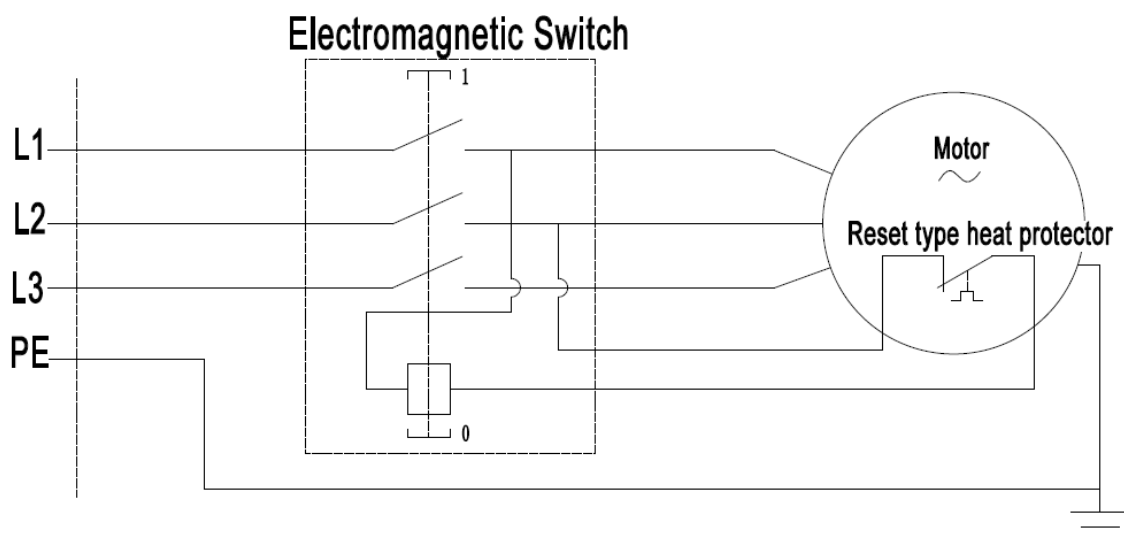
6.3 Wiring diagram

AW1500DE:

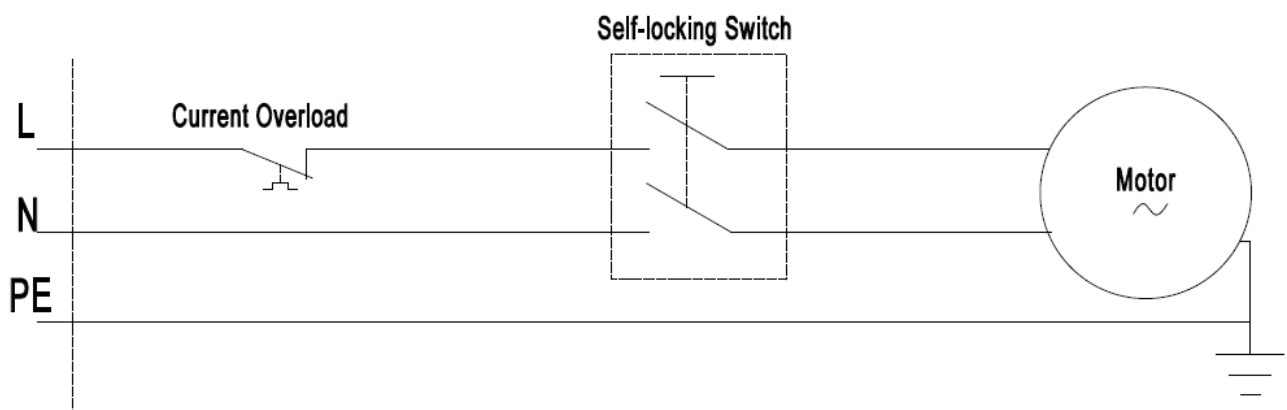
230V 50HZ 1PH



380V 50HZ 3PH



220V 60HZ 1PH



Object of the Declaration: Axminster Workshop AW1500DE Dust Extractor 2HP

UK:
Electromagnetic Compatibility Regulations
2016 as amended
Directive 2011/65/EU (RoHS 2)
Restriction of the Use of Certain Hazardous

EU:
Machinery Directive 2006/42/EC
EMC Directive 2014/35/EU
Directive 2011/65/EU (RoHS 2)
Restriction of the Use of Certain Hazardous

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:

ISO 12100:2010, EN 60204-1:2018+A1:2025
IEC 55014-1:2021, IEC 55014-2:2021, IEC 61000-3-2:2019+A1:2021,
61000-3-3:2013+A1:2019+A2:2021

European Address:
Newhow Limited.
Trading as Axminster Tools
A-201, Haagsche Hof
Parkstraat 83
The Hague
2514 JG
Netherlands

Date: 12/12/2025
Place: Axminster

 Charlie Cross
Operations Director



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Only for EU countries

Do not dispose of electric tools together with household waste material!

In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

