



Woodworking machinery at its best!

DUST & CHIP EXTRACTOR OPERATORS MANUAL

MODEL: W696



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GENERAL SAFETY RULES



WARNING: Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Make sure all tools are properly earthed.
3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
4. Remove adjusting keys and spanners. Form a habit of checking to see that the keys and adjusting spanners are removed from the machine before switched it on.
5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.
6. Do not use in dangerous environments. Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well illuminated.
7. Keep children away. All visitors should be kept a safe distance from the work area.
8. Make workshop childproof. Use padlocks, master switches and remove starter keys.
9. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
10. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
11. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

12. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.
13. Do not over-reach. Keep proper footing and balance at all times.
14. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.
15. Disconnect the machine from power source before servicing and when changing the blade.
16. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.
17. Do not use any power tools while under the effects of drugs, alcohol or medication.
18. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR DUST EXTRACTORS

1. Dust extractors are frequently moved around the workshop. Make sure that mains cables and extractor hoses are positioned in such a way that they do not present a trip hazard.
2. Do not pick up pieces of metal or chunks of wood.
3. Switch off and unplug the extractor before removing the collection bag and/or filter.
4. Do not allow the collection bag to become over full.
5. When necessary, wash, thoroughly rinse and completely dry the filter bag. Using a wet or damp filter bag will reduce its efficiency as it will quickly become clogged.
6. Dispose of waste in accordance with local regulations.
7. DO NOT use without the filter bag and collection bag in place.
8. Keep hair, loose clothing, fingers, and all parts of the body away from the end of the suction hose.

Specification

Motor (induction)	750w (1hp), 240v
Flowrate (cubic metres per hour)	1020m ³ /hour
Inlet Diameter	100mm
Bag capacity	70 Litres
Maximum continuous run time	2 hours
Dimensions (WxDxH)	900mm x 390mm x 1570mm
Weight	30kg
Rating	Hobby
Warranty	1 Year

Rating Description

Hobby: Suitable for hobby users and woodworking enthusiasts.

Generally lighter weight machines with lower power ratings and smaller tooling capacities. Typically only ever used by one person for short periods of time or longer periods of time infrequently. Machinery should be well maintained in a clean, dry environment such as a home workshop, garage or timber shed. Expected maximum use of 100 hours annually.

Unpacking



Open the carton and carefully unpack all of the contents.



Familiarise yourself with the parts and take the time to read these instructions.

Assembly



Leave all bolts finger tight until each castor is fitted.

Bolt the castors to the base plate as shown, using sixteen domed head bolts M4 x 8mm, M4 nuts and M4 washers provided.

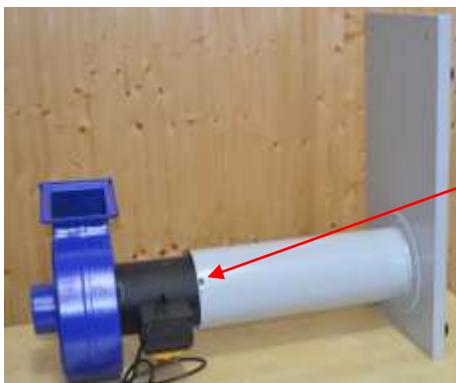


Invert the base so that it is standing on its castors. Rotate the column so that one of the slots in the top end of the column is aligned to the centre of the short side of the base plate.

Bolt on the column, using four M8 x 10mm hex head bolts and M8 washers.



Position the base plate and column as shown. Insert the lower end of the motor into the column and fix it loosely with two M6 x 10mm hex head bolts and M6 washers. These screw into the tapped holes that can be found in the three lugs on the end of the motor .



Turn the assembly over to give easy access to the third fixing position. Insert the final bolt and washer.



Please note: The holes in the column are slotted so that the motor may be adjusted slightly to aid the alignment, during later parts of the assembly.



If necessary, twist the motor assembly so that the face of the outlet is parallel with the end of the base plate. Tighten the three fixing bolts.



Locate the rubber gasket and place it between the collector body and the fan housing. Bolt the collector body to the fan housing with six M6 x 16mm hex head bolts and washers, sandwiching the rubber gasket between them. The holes in the collector body are threaded to accept the bolts.



Take one M8 x 44mm hex head bolt, add a washer and push it through the upper hole of the handle, the collector support and the spacer block. Screw it a few turns into the threaded hole in the collector body. Do the same with the upper hole on the other side of the handle.

Repeat with the lower holes.



Bolt the lower ends of the collector support to the base plate using M8 x 16mm hex head bolts and M8 washers.



Bolt the filter bag support to the collector body using 2 of the M4 x 12mm Cross head Screws, with washers.



Bolt the floor sweep attachment onto the base plate using two M8 x 12mm hex head bolts and washers.



Feed the end of the collector bag clamp through the slit at the bottom of the cloth filter bag. Keep feeding it around the rim of the bag until it emerges from the other slit. Secure the clamp, by engaging the latch as shown.



Slide the open end of the plastic collection bag over the bottom of the collector body. When working on your own, temporarily secure the bag in place with three pieces of sticky tape. Fit the second bag clamp around the plastic bag, as shown.

Check all nuts and bolts for tightness and your new dust extractor is ready to use.



In addition to its function as a normal dust extractor, this machine may be used as a floor sweeper. This works best on a smooth floor.

Connect the end of the hose to the port at the top of the sweep and slowly move the extractor over the floor. It will act as a giant vacuum cleaner.

Using the Extractor

Always start the extractor running before starting the dust producing machinery. Also allow the extractor to run for 10 seconds after the other machine is switched off to allow dust in the hose system to clear.

Empty the collection bag before it is overfull and dispose of the waste in accordance with the current requirements of your local authority.

Please Note: Maximum recommended total hose length in use at any time is 3 metres. Longer hose lengths may be used, but will reduce the performance. When using the extractor with machines which have a smaller diameter connection, it is recommended to run the 100mm diameter hose from the extractor up to the machines dust outlet and fit the appropriate sized reducer at that point. This will maintain the airflow rate of the unit. For some applications it may be more convenient to use a smaller diameter hose. This will inevitably reduce the performance of the machine and the length of small diameter hose should be kept to a minimum.

Optional Items

More information can be found on our website www.charnwood.net

W690PB Replacement Plastic Collection Bags: 600mm x 900mm, pack of 10

Flexible Transparent Extraction Hose:

Priced per metre and cut to length.

Available in 7 different diameters: 38mm, 50mm, 65mm, 75mm, 100mm, 125mm, 150mm

Metal Hose Clamps: For securing the hose, available in all diameters.

Fittings: Various fittings to be used with 100mm diameter hose to create a branch system around the workshop. Gates can be used to close off any branch lines which are not currently in use.

Reducing Connectors: Charnwood have a large range of plastic connectors, which allow different diameter hoses to be connected together, or for connecting to bench top machines with different sized outlets.



Troubleshooting

Reduced Performance

Check the collection bag is not full.
Empty or replace the bag as required.

Check the filter bag is not clogged. Turn the bag inside out and scrape the inside clean. The filter bag can also be washed, ensure it is completely dry before refitting.

Examine the hose system looking for blockages. Remove the hose and clear out the blockage.

Examine the hose and fittings for splits or air leaks. Secure the leaks and replace any worn hose.

Rattling noise and vibration

Large pieces may be blocked by the inlet grill. Remove the hose and Y-shaped connector from fan housing and check for pieces of wood or foreign bodies that are unable to pass through the grill. Remove them and reattach hose.

Extractor will not start

Check circuit breaker. Reset as required.

Loose wire. Remove the switch, check the wires are pushed firmly onto the terminals.

Failed switch. Replace the on/off switch.

Extractor does not run but buzzing noise heard from motor

Capacitor failure. (for confirmation, spin the motor shaft by hand. Press the start button whilst the shaft is still rotating. If the motor now runs normally, the start capacitor has failed.) Replace the start capacitor.

Extractor cuts out whilst running

Overheating. This extractor has a maximum running time of 2 hours. Do not exceed this as excessive heat will permanently damage the motor. Leave the motor to cool and try again.


Declaration of Conformity for CE Marking

Charnwood Declare that Woodworking Dust Collector, Model W696

Conforms with the following Directives: Machinery Directive 2006/42/EC
EMC Directive 2004/108/EC

And further conforms to the machinery example for which the EC type examination Certificate No. AM 50187475 and AE 50220617 have been issued by TUV Rheinland LGA Products GmbH, Tillystrasse 2, 90431, Nurnberg, Germany.

I hereby declare that equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The machinery complies with all essential requirements of the directive.

Signed:  Dated: 30/09/2010 Location: Leicestershire

Richard Cook, Director

Charnwood W696 Parts List

01	Base plate	1	20	Fan	1
02	Column	1	21	Washer	1
03	M8 Washer	14	22	Cap Head Bolt Left Hand Thread	1
04	Hex Head Bolt M8 x 10mm	4	23	Inlet cover	1
05	Switch KJD12	1	24	Filter Bag Support	1
06	Motor 750w, 240v	1	25	Filter bag	1
07	Key	1	26	Handle	1
08	Hex Head Bolt M6 x 16mm	6	27	Hex Head Bolt M8 x 44mm	4
09	Gasket	1	28	Spacer Block	2
10	Plastic Collection Bag	1	29	Collector Support	2
11	Cap head set screw	1	30	Hex Head Bolt M8 x 16mm	2
12	Dome Head Bolt M4 x 12mm	2	31	Caster	4
13	M8 Nut	4	32	M4 Nut	16
14	Domed Head Bolt M6 x 10mm	3	33	Collector Body	1
15	M6 Washer	9	34	Bag Clamp	2
16	Mains cable	1	35	Switch cover	1
17	Washer	1	36	Pan head screw	4
18	Fan housing	1	37	Screw	2
19	Spring washer	4	38	Domed Head Bolt M4 x 8mm	28
39	Floor sweep Attachment	1	40	Hex Head Bolt M8 x 12mm	2

CHARNWOOD W696 EXPLODED VIEW DIAGRAM

