



CX400

2-HP DUST COLLECTOR

User Manual



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General Safety Instructions for Machines

Extreme caution should be used when operating all power tools. Know your power tool, be familiar with its operation, read through the owner's manual and practice safe usage procedures at all times.

- ❖ **CONNECT** your machine only to the matched and specific power source.
- ❖ **ALWAYS** wear safety glasses respirators, hearing protection and safety shoes, when operating your machine.
- ❖ **DO NOT** wear loose clothing or jewelry when operating your machine.
- ❖ **GROUND ALL TOOLS** if tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter plug must be attached to a known ground. Never remove the third prong.
- ❖ **A SAFE ENVIRONMENT** is important. Keep the area free of dust, dirt and other debris in the immediate vicinity of your machine.
- ❖ **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
- ❖ **NEVER** leave a tool unattended while the machine is in operation.
- ❖ **DON'T OVERREACH.** Keep proper footing and balance at all times.
- ❖ **DISCONNECT** the power source when changing drill bits, hollow chisels, router bits, shaper heads, blades, knives or making other adjustments or repairs.
- ❖ **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
- ❖ **BE ALERT! DO NOT** use prescription or other drugs that may affect your ability or judgment to safely use your machine.
- ❖ **MAINTAIN TOOLS IN TOP CONDITION.** Keep the blades sharp and aligned. Follow instructions for lubricating and changing accessories.
- ❖ **DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters, etc.
- ❖ **ALWAYS** keep all safety guards in place and ensure their proper function.
- ❖ The dust generated by certain woods and wood products can be injurious to your health. **ALWAYS** operate machinery in well ventilated areas use wood dust collection systems whenever possible.

CX400-2HP Dust Collector Specific Safety Instructions

Read and understand the instruction manual before operating the dust collector. Basic precautions listed below should always be followed when using your dust collector to reduce the risk of injury, electrical shock or fire.

- ❖ The CX400 is designed to collect sawdust only.
- ❖ **Never** attempt to use this dust collector to vacuum water or any other liquids.
- ❖ **Never** try to use this dust collector to collect large wood pieces.
- ❖ **Never** attempt to use this dust collector to collect metal materials such as screws, nails or other metal parts.
- ❖ **Always** wear respiratory and safety glasses when emptying dust from the collection bags.
- ❖ **Never** operate the dust collector with all blast gates closed.
- ❖ **Always** disconnect the dust collector from its power source when changing or emptying the bags.
- ❖ **Always** be sure that the collection and filter bags are securely fastened to collector body.
- ❖ **Do not** place your hand or tools nears the open inlet while operation. Serious personal injury or damage to the machine can happen.
- ❖ **Always** connect dust collector to the matched power source.

IMPORTANT

The safety instructions given above can not be complete because the environment in every shop is different. Always consider safety first as it applies to your individual working conditions.



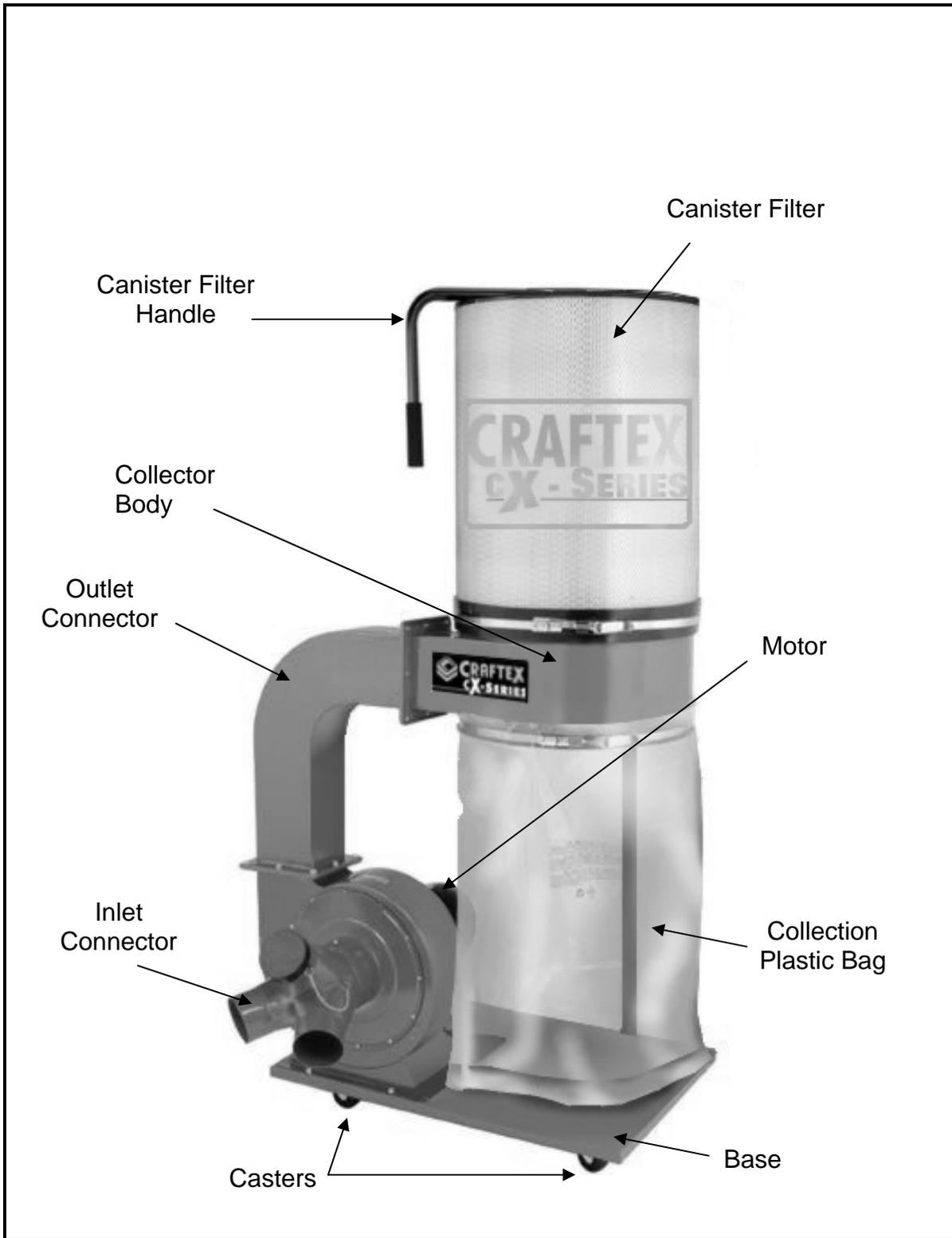
CX400 FEATURES

MODEL CX400-2HP DUST COLLECTOR

As part of the growing line of Craftex woodworking equipment, we are proud to offer the CX400. The Craftex name guarantees Craft Excellence. By following the instructions and procedures laid out in this owner's manual, you will receive years of excellent service and satisfaction. The CX400 is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

- ❖ Motor 60-Hz, Single Phase 9-Amp, 2-HP, 220-Volts
- ❖ Motor Speed 3450 RPM
- ❖ Bearings Sealed & Permanently Lubricated
- ❖ Switch ON/OFF Push Button
- ❖ Cord Length 6 Feet
- ❖ Air Suction Capacity 1700 CFM
- ❖ Canister Filtration 1 Micron, (Canister – Spun bond polyester)
- ❖ Impeller Size 12-3/4" Radial fin & balanced
- ❖ Impeller Construction Steel, Riveted Fins
- ❖ Lower Bag Clear Plastic
- ❖ Frame Construction Fabricated Sheet Metal
- ❖ Paint Powder Coated
- ❖ Length/Width/Height 37-3/8" x 31-1/2" x 71"
- ❖ Weight 145 lbs.

CX400-2HP Dust Collector Physical Features



Unpacking & Inventory

Your dust collector is shipped with all its components and hardware inside the box. Open the box and check the components and their quantities according to the list below. If you can not find any part in this list, check the mounting location on the machine. It might be pre-installed on the machine for shipping purposes.

- J. Collector Support Bar 1
- K. Hardware Bag
 - Flange Bolts
 - Tap Screws
 - Combo Wrench
 - Hex Wrench

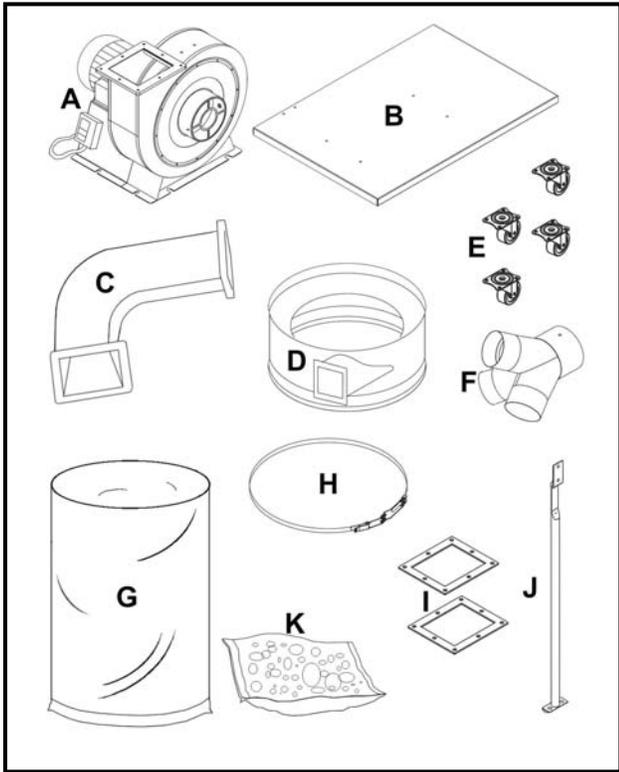


Figure-1 CX400 1st box Inventory

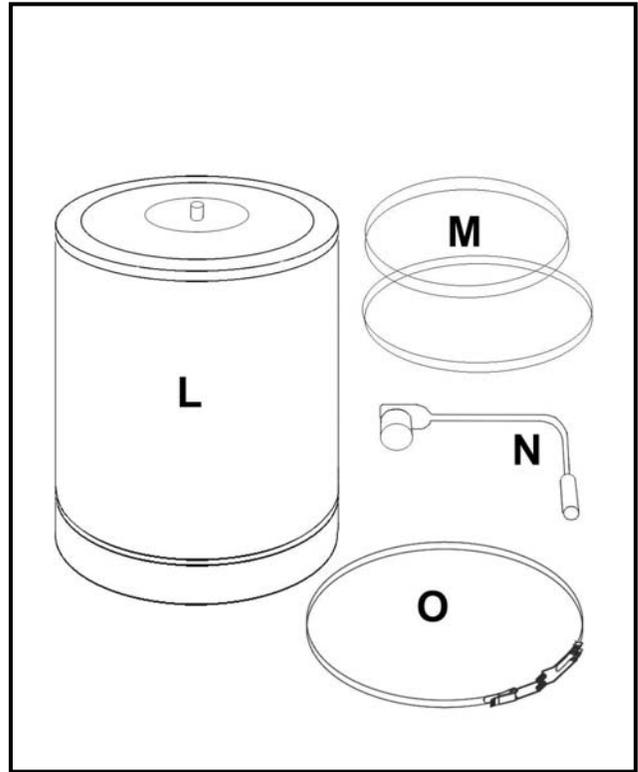


Figure-2 CX400 2nd box Inventory

Box-1 Dust Collector Parts	Qty
A. Motor & Impeller Assembly	1
B. Base.....	1
C. Outlet Connector	1
D. Collector.....	1
E. Casters.....	4
F. Double Inlet Connector, 4".....	1
G. Collector Plastic Bag.....	1
H. Bag Clamp	1
I. Rubber Gaskets.....	2

Box-2 Canister Filter	Qty
L. Canister Filter.....	1
M. Foam Adhesive	2
N. Canister Cleaning Handle.....	1
O. Canister Clamp.....	1

ASSEMBLY

Take the base out of the box and place it upside down on the floor. Attach the casters to the base using the flange bolts. See figure-3.

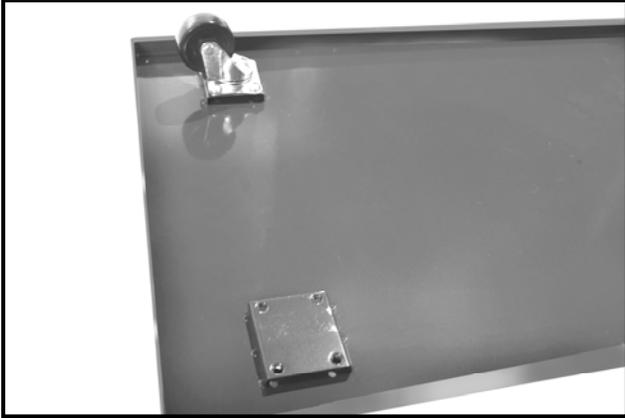


Figure-3 Installing the casters

Once you have installed the casters to the base, turn the base over. Take the motor assembly and place it on the base. Align the holes on the assembly with the holes on the base and install it using the bolts. See figure-4.

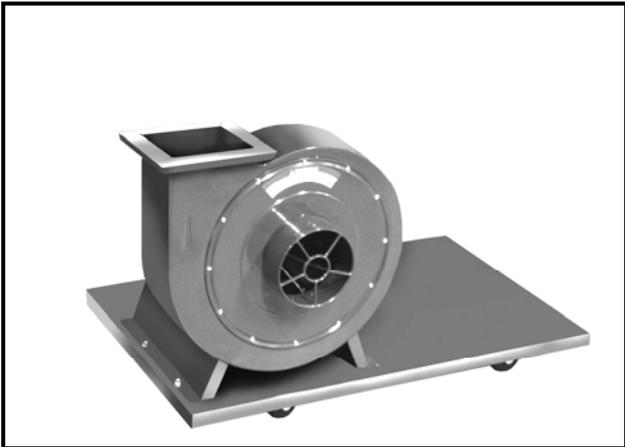


Figure-4 Installing impeller to the base

Now place the rubber gasket provided, on the motor flange as shown in figure-5.



Figure-5 Placing the gasket on the motor flange

Install the outlet connector to the impeller assembly using bolts. See figure-6.



Figure-6 Installing the outlet connector

Now, take the second gasket and place it on the outlet connector and attach the base collector to the outlet connector with the help of an assistant using bolts and washers provided. See figure-7



Figure-7 Installing the collector

The base is provided with two holes for the collector support bar. Locate the holes and align the support bar with the mounting holes on the base. Attach one end of the support bar to the base and the other end to the collector using bolts provided. See figure-8.



Figure-8 Installing the collector support bar

Take the adhesive foam strip and attach it to the top part of the collector in such a way

that the two ends match evenly and there is no excess strip left. See figure-9.



Figure-9 Attaching the foam strip to the top part of the collector

Take the canister out of the box and locate the shaft key on the top of the canister. Now take the canister cleaning handle and place it on the canister shaft key, tighten the hex bolt. See figure 10.

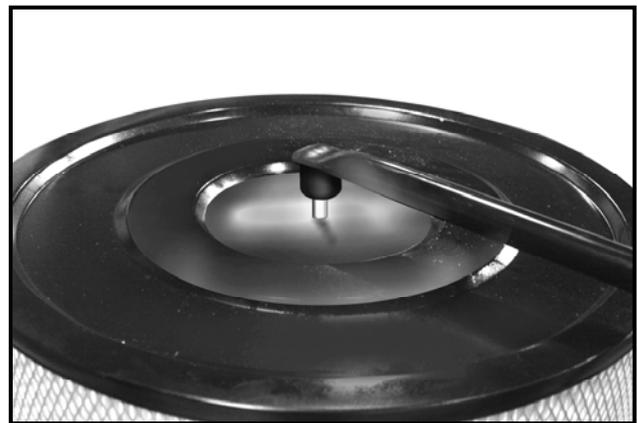


Figure-10 Installing canister cleaning handle

Take the canister and install it on the collector. Use the belt clamp to tighten the base of the canister against the foam attached on the collector. See figure 11.



Figure-11 Attaching the canister

Attach the foam strip to the bottom part of the collector as well, in such a way that the both ends of the foam strip come together evenly and there is no excessive strip. Now, attach the plastic bag to the bottom of the collector using the bag clamp. See figure-11

Take the inlet connector and install it to the impeller intake hole using the tap screw provided. See figure-12.



Figure-12 Installing the inlet connector

TEST RUN

Once you have assembled your dust collector then it is time to do a test run.

Walk around the machine and take a look at all the parts you have assembled and make sure all the screws are tightened properly.

Connect the machine to the correct power source and start the machine. During the test run if there is any unusual noise or vibration, disconnect the machine from the power source immediately and check all the parts you have assembled, once again.

Make sure you read the manual before the test run and understand all the safety instructions of your machine.

All the tools and objects used for assembling the machine should be removed and cleared away while the machine is running.

WARNING

Do not make any adjustments while the machine is running. Turn off the machine and un-plug from the power source before making any adjustments.

Proper Grounding

Grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

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.

WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.

Bag Cleaning

Empty the collection bag on a regular basis. The machine will run more efficiently if the collecting bag is emptied regularly.

Make sure you are wearing a respirator or dust mask while emptying the collection bag. The tiny dust particles in the air can be inhaled easily and is very injurious to your health.

Cleaning the Canister

The canister has a cleaning handle which allows for easy cleaning of the canister by simply rotating the handle. After each use, rotate the handle at least one full turn. The fins inside the canister will knock most of the dust into the lower collection bag.

Make sure not to clean the canister using water or compressed air which can damage the filtration pleats of the filter. Always use the cleaning handle.

Lubrication

CX400 comes equipped with shielded bearings which are permanently lubricated. So, there is not need to lubricate them.

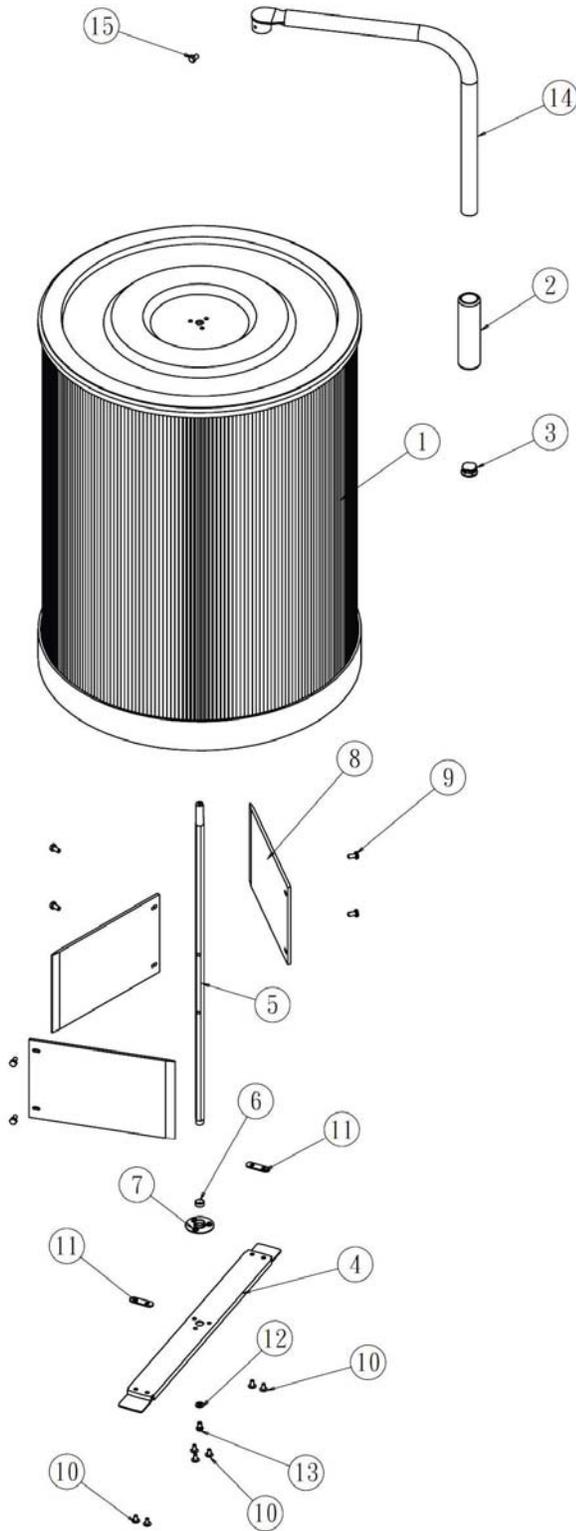
Maintenance

Maintenance on this machine is fairly simple. Each time you use your dust collection, make sure that properly clean the canister and take a quick inventory of your machines performance. Check for loose bolts, screws, ensure the dust collection bag has no tears and ensure all wires are in good condition.

WARNING

Do not make any adjustments while the machine is running. Turn off the machine and un-plug from the power source before making any adjustments.

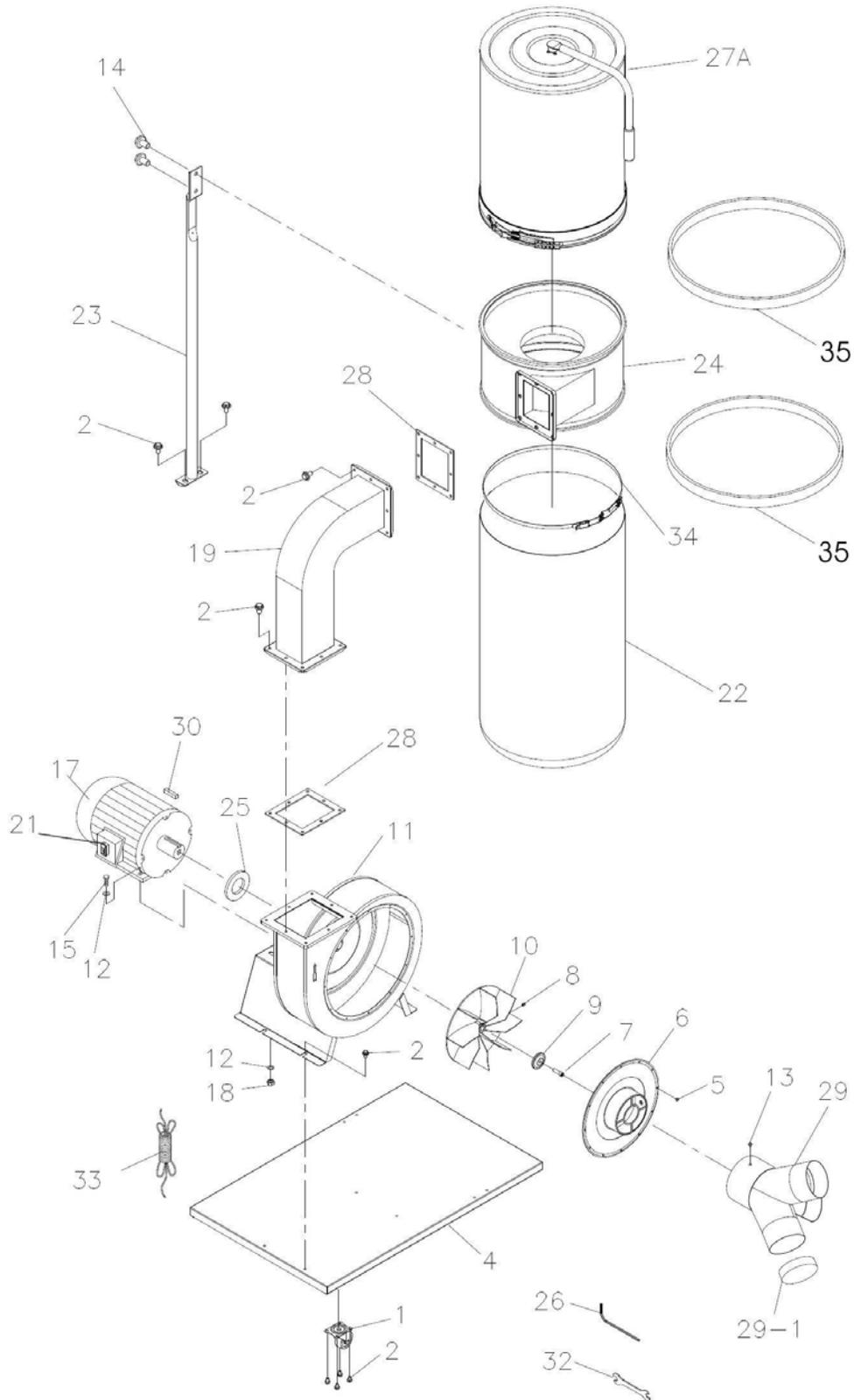
CX400 DUST COLLECTOR CANISTER PARTS BREAKDOWN



CX400 DUST COLLECTOR **CANISTER PARTS LIST**

NO.	DESCRIPTION	QTY
1	Canister Filter	1
2	Sleeve	1
3	Cap	1
4	Bottom Plate	1
5	Hex Spindle	1
6	Thrust Bearing	1
7	Bearing Plate	1
8	Flapping Plate	3
9	Hex Bolt M6 x 10	6
10	Philip. HD. Screw M5 x 15	6
11	Support Tab	2
12	Washer M6	1
13	Philip. HD. Screw M6 x 10	1
14	"L" Type Handle	1
15	Hex Bolt M6 x 16	1

CX400 DUST COLLECTOR PARTS BREAKDOWN



CX400 DUST COLLECTOR PARTS LIST

No.	DESCRIPTION	QTY
1	Casters	4
2	Flange Bolt 5/16" x 1/2"	38
4	Base	1
5	Philip. HD. Screw 3/16 x 3/8"	12
6	6" Inlet Cover	1
7	Cap Screw M6 x 1(LH)	1
8	Set Screw 3/8" x 3/8"	1
9	Impeller Washer	1
10	12-3/4" Impeller	1
11	Fan Housing	1
12	Washer 5/16"	8
13	Philip. HD. Flange Screw 3/16" x 3/8"	1
15	Hex Bolt 5/16" x 1"	8
17	Motor	1
18	Nut 5/16"	4
19	L Type Outlet Connector	1
21	Safety Switch	1
22	PE Bag	1
23	Collector Support	2
24	collector	1
25	Motor Packing	1

26	Special Hex Wrench 5mm	1
27A	Canister	1
28	Rubber Gasket	2
29	4" * 3 Inlet	1
29A	4" Inlet Cap	1
30	Key	1
32	Open End Wrench	1
33	Power Cord	1
34	Steel Clamp	2
35	Foam Strip 4 x 20 mm	2



WARRANTY

CRAFTEX 3 YEAR LIMITED WARRANTY

Craftex warrants every product to be free from defects in materials and agrees to correct such defects where applicable. This warranty covers **three years** for parts and 90 days for labour (unless specified otherwise), to the original purchaser from the date of purchase but does not apply to malfunctions arising directly or indirectly from misuse, abuse, improper installation or assembly, negligence, accidents, repairs or alterations or lack of maintenance.

Proof of purchase is necessary.

All warranty claims are subject to inspection of such products or part thereof and Craftex reserves the right to inspect any returned item before a refund or replacement may be issued.

This warranty shall not apply to consumable products such as blades, bits, belts, cutters, chisels, punches etceteras.

Craftex shall in no event be liable for injuries, accidental or otherwise, death to persons or damage to property or for incidental contingent, special or consequential damages arising from the use of our products.

RETURNS, REPAIRS AND REPLACEMENTS

To return, repair, or replace a Craftex product, you must visit the appropriate Busy Bee Tools showroom or call 1-800-461-BUSY. Craftex is a brand of equipment that is exclusive to Busy Bee Tools.

For replacement parts directly from Busy Bee Tools, for this machine, please call 1-800-461-BUSY (2879), and have your credit card and part number handy.

- All returned merchandise will be subject to a minimum charge of 15% for re-stocking and handling with the following qualifications.
- Returns must be pre-authorized by us in writing.
- We do not accept *collect* shipments.
- Items returned for warranty purposes must be insured and shipped pre-paid to the nearest warehouse
- Returns must be accompanied with a copy of your original invoice as proof of purchase. Returns must be in an un-used condition and shipped in their original packaging a letter explaining your reason for the return. Incurred shipping and handling charges are not refundable.
- Busy Bee will repair or replace the item at our discretion and subject to our inspection.
- Repaired or replaced items will be returned to you pre-paid by our choice of carriers.
- Busy Bee reserves the right to refuse reimbursement or repairs or replacement if a third party without our prior authorization has carried out repairs to the item.
- Repairs made by Busy Bee are warranted for 30 days on parts and labour.
- Any unforeseen repair charges will be reported to you for acceptance prior to making the repairs.
- The Busy Bee Parts & Service Departments are fully equipped to do repairs on all products purchased from us with the exception of some products that require the return to their authorized repair depots. A Busy Bee representative will provide you with the necessary information to have this done.
- For faster service it is advisable to contact the nearest Busy Bee location for parts availability prior to bringing your product in for repairs.