User Manual

Read this manual before using machine to avoid serious injury and damage

65200-CT
1-1/2 HP DUST COLLECTOR

For technical support, email techservices@cutechtool.com or call at 877-568-8879
VER. 16.10.31
This user manual is intended for use by anyone working with this machine. It should be kept available for immediate reference so that all operations can be performed with maximum efficiency and safety. Do not attempt to perform maintenance or operate this machine until you have read and understand the information contained in this manual. The drawings, illustrations, photographs, and specifications in this user manual represent your machine at time of print. However, changes may be made to your machine or this manual at any time with no obligation to CUTECH.
WARRANTY

2 YEAR LIMITED WARRANTY

CUTECH warrants its machinery to be free of defects in workmanship and materials for a period of two (2) years from the date of the original purchase by the original owner. This warranty applies to products sold in United States only. The warranty does not apply to any product used for professional or commercial production purposes nor for industrial or educational applications. Such cases are covered by our 1 year Limited Warranty with the Conditions and Exceptions.

Warranty does not include failures, breakage or defects deemed after inspection by an Authorized Service Center or our agent to have been directly or indirectly caused by or resulting from improper use, lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any part or component. Examples are consumables such as inserts and knives or wear items like drive belts, bearings, brushes or dust bags. Additionally, warranty is void if repairs or alterations are made to the machine by an unauthorized service center without the direct consent of CUTECH.

To file a claim of warranty or to find a service center, call toll free 877-568-8879 or email techservices@cutechtool.com. Warranty applies to the original buyer only and may not be transferred. You will need to furnish with your claim a copy of the original sales receipt as proof of purchase and the serial number from the machine.

The defective units should be returned Freight prepaid to CUTECH's Authorized Service Center for inspection. If the warranty claim is considered to be invalid due to exclusions listed above CUTECH will at your direction dispose of or return the product. In the event you choose to have the product returned you will be responsible for the handling and shipping cost of the return.

CUTECH furnishes the above warranties in lieu of all other warranties, expressed or implied. CUTECH shall not be liable for any special, indirect, incidental, punitive or consequential damages, including without limitation to loss of profits arising from or related to the warranty, the breach of any agreement or warranty, or the operation or use of its machinery, including without limitation damages arising from damage to fixtures, tools, equipment, parts or materials, direct or indirect loss caused by any other part, loss of revenue or profits, financing or interest charges, and claims by a third person, whether or not notice of such possible damages has been given to CUTECH. Not responsible for damages of any kind for any delay by or failure of CUTECH to perform its obligations under this agreement or claims made a subject of a legal proceeding against CUTECH more than one (1) year after such cause of action first arose.

The validity, construction and performance of this Warranty and any sale of machinery by CUTECH shall be governed by the law of the State of Tennessee, without regard to conflicts of law's provisions of any jurisdiction. Any action related in any way to any alleged or actual offer, acceptance or sale by CUTECH or any claim related to the performance of and agreement including without limitation this Warranty, shall take place in the federal or state courts in Shelby County, Tennessee.

CUTECH reserves the right to change the specifications without prior notice.
PRODUCT SPECIFICATIONS

Motor: 1-1/2 HP Cont. Duty; 14 AMP; 110 VAC; 3450 RPM no load; Single Phase 60HZ
Overall Size: 39 ½” W X 31 ½” D X 6’ 3” H
Shipping Carton Dimensions: 36” L X 22” H X 22” W
Weight: 99lbs  Shipping Weight: 106lbs
Dust Collector Capacity: 1300 CFM
Impeller Size: 11” dia.
Inlet Ports: 2 X 4”
Collection Bag Capacity: 5 cubic ft.
Filter Bag: 10 Micron  Collection Bag: 10 Micron

FEATURE IDENTIFICATION

Filter Bag  Clamp Straps  Collector Drum
Hose  Impeller/Motor Assembly  Collection Bag
Inlet Ports  Casters
NOTE: The WARNING! and CAUTION! symbols indicate a potentially hazardous situation which, if not avoided, COULD result in death or serious injury. READ THIS MANUAL completely before assembling and operating this machine.

WARNING! TO AVOID serious injury, death, or damage to the machine, please read, understand, and follow, all Safety and Operating Instructions before assembling and operating this machine. This manual is not totally comprehensive. It does not and can not convey every possible safety and operational problem which may arise while using this machine. The manual will cover many of the basic and specific safety procedures needed in an industrial environment.

All federal and state laws, and any regulations having jurisdiction covering the safety requirements for use of this machine, take precedence over the statements in this manual. Users of this machine must adhere to all such regulations.

WARNING! Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. The dust may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

WARNING! ALWAYS wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are NOT safety glasses. ALWAYS wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

WARNING! ALWAYS wear hearing protection. Plain cotton is not an acceptable protective device. Hearing equipment should comply with ANSI S3.19 Standards.

WARNING! ALWAYS wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.
GENERAL SAFETY (cont.)

ALWAYS keep the work area clean, well lit, and organized. DO NOT work in an area that has slippery floor surfaces from debris, grease, and wax.

CAUTION! ALWAYS unplug the machine from the electrical receptacle when making adjustments, changing parts or performing any maintenance.

AVOID ACCIDENTAL STARTING. Make sure that the power switch is in the “OFF” position before plugging in the power cord to the electrical receptacle.

WARNING! AVOID a dangerous working environment. DO NOT use electrical tools in a damp environment or expose them to rain or moisture.

WARNING! CHILDPROOF THE WORKSHOP AREA by removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

CAUTION! DO NOT use electrical tools in the presence of flammable liquids or gasses.

DO NOT FORCE the machine to perform an operation for which it was not designed. It will do a safer and higher quality job by only performing operations for which the machine was intended.

WARNING! DO NOT stand on a machine. Serious injury could result if it tips over or you accidentally contact any moving part.

DO NOT store anything above or near the machine.

WARNING! DO NOT operate any machine or tool if under the influence of drugs, alcohol, or medication.

EACH AND EVERY time, check for damaged parts prior to using any machine. Carefully check all guards to see that they operate properly, are not damaged, and perform their intended functions.

Check for alignment, binding or breakage of all moving parts. Any guard or other part that is damaged should be immediately repaired or replaced.

WARNING! Ground all machines. If any machine is supplied with a 3-prong plug, it must be plugged into a 3-contact electrical receptacle. The third prong is used to ground the tool and provide protection against accidental electric shock. DO NOT remove the third prong.

CAUTION! Keep visitors and children away from any machine. DO NOT permit people to be in the immediate work area, especially when the machine is operating.
KEEP protective guards in place and in working order.

**CAUTION!** Keep floor clear of debris, grease, and wax.

MAINTAIN all machines with care. ALWAYS KEEP machine clean and in good working order.

NEVER leave a machine running, unattended. Turn the power switch to the OFF position.

REMOVE ALL MAINTENANCE TOOLS from the immediate area prior to turning the machine ON.

**WARNING!** STAY ALERT, watch what you are doing, and use common sense when operating any machine. DO NOT operate any machine tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

**WARNING!** USE ONLY recommended accessories. Use of incorrect or improper accessories could cause serious injury to the operator and cause damage to the machine. If in doubt, DO NOT use it.

THE USE of extension cords is not recommended for 230V equipment. It is better to arrange the placement of your equipment and the installed wiring to eliminate the need for an extension cord. If an extension cord is necessary, refer to the chart in the Grounding Instructions section to determine the minimum gauge for the extension cord. The extension cord must also contain a ground wire and plug pin.

**CAUTION!** Wear proper clothing, DO NOT wear loose clothing, gloves, neckties, or jewelry. These items can get caught in the machine during operations and pull the operator into the moving parts. Users must wear a protective cover on their hair, if the hair is long, to prevent it from contacting any moving parts.

**IMPORTANT SAFETY RULES**

Wood working can be dangerous if safe and proper operating procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.
GENERAL SAFETY (cont.)

Safety equipment such as guards, push sticks, hold-downs, feather boards, goggles, dust masks and hearing protection can reduce your potential for injury. But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it. Figure out an alternative procedure that feels safer. REMEMBER: Your personal safety is your responsibility.

SAVE these instructions and refer to them frequently and use them to instruct other users.

NOTE: Information regarding the safe and proper operation of this tool is also available from the following sources:

Power Tool Institute
1300 Summer Avenue
Cleveland, OH 44115-2851
www.powertoolinstitute.org

American National Standards Institute
23 West 43rd Street, 4th Floor
New York, NY 10036
www.ansi.org

National Safety Council
1121 Spring Lake Drive
Itasca, IL 60143-3201

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PRODUCT SAFETY

1. Serious personal injury may occur if normal safety precautions are overlooked or ignored. Accidents are frequently caused by lack of familiarity or failure to pay attention. Obtain advice from supervisor, instructor, or another qualified individual who is familiar with this machine and its operations.

2. Every work area is different. Always consider safety first, as it applies to your work area. Use this machine with respect and caution. Failure to do so could result in serious personal injury and damage to the machine.

3. Prevent electrical shock. Follow all electrical and safety codes, including the National Electrical Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

4. WARNING! TO REDUCE the risk of electrical shock. DO NOT use this machine outdoors. DO NOT expose to rain. Store indoors in a dry area.

5. STOP using this machine, if at any time you experience difficulties in performing any operation. Contact your supervisor, instructor or machine service center immediately.

6. Safety decals are on this machine to warn and direct you to how to protect yourself or visitors from personal injury. These decals MUST be maintained so that they are legible.
7. DO NOT leave the unit plugged into the electrical outlet. Unplug the unit from the outlet when not in use and before servicing, performing maintenance tasks, or cleaning.

8. **WARNING!** DO NOT handle the plug or planer with wet hands.

9. USE only accessories as described in this manual and recommended by CUTECH.

10. DO NOT pull the machine by the power cord. NEVER allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.

11. ALWAYS turn the power switch “OFF” before unplugging the machine. DO NOT unplug the machine by pulling on the power cord. ALWAYS grasp the plug, not the cord.

12. REPLACE a damaged cord immediately. DO NOT use a damaged cord or plug.

13. DO NOT use the machine as a toy. DO NOT use near or around children.

14. ENSURE that the machine sits firmly before using. If the machine wobbles or is unstable, correct the problem by using shims or blocks prior to operation.

15. This machine is designed to process wood ONLY.

16. **WARNING!** DO NOT attempt to remove jams until power is disconnected and all moving parts have come to a complete stop.
WARNING! Basic precautions should always be followed when using your dust collector. To reduce the risk of injury, electrical shock or fire, comply with the safety rules listed below:

1. READ and understand the instruction manual before operating the dust collector.
2. DO NOT leave the dust collector plugged into the electrical outlet. Unplug dust collector from outlet when not in use and before servicing, changing bags, unclogging and cleaning.
3. ALWAYS turn the power switch “OFF” before unplugging the dust collector.
4. WARNING: TO REDUCE THE RISK OF ELECTRICAL SHOCK do not use outdoors or on wet surfaces. Use for dry pickup only!
5. FOLLOW all electrical and safety codes, including the National Electric Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.
6. DO NOT use the dust collector to pick up flammable or combustible liquids, such as gasoline. NEVER use the dust collector near any flammable or combustible liquids.
7. USE the dust collector to pick up wood materials only. DO NOT use the dust collector to pick up metal shavings, dust, water, or parts.
8. NEVER use the dust collector to dissipate fumes or smoke. NEVER pick-up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
9. USE only as described in this manual.
10. DO NOT pull the dust collector by the power cord. NEVER allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.
11. DO NOT unplug the dust collector by pulling on the power cord. ALWAYS grasp the plug, not the cord.
12. DO NOT handle the plug or dust collector with wet hands.
13. REPLACE a damaged cord immediately. DO NOT use a damaged cord or plug. If the dust collector is not operating properly, or has been damaged, left outdoors or has been in contact with water, return it to an Authorized Service Center for service.
14. DO NOT use the dust collector as a toy. DO NOT use near or around children.
15. DO NOT insert fingers or foreign objects into the dust intake ports. Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts of the dust collector.
16. DO NOT use the dust collector without a filter bag and dust collection bag in place and properly secured.
17. DO NOT operate the dust collector with unused dust intake ports uncapped. ALWAYS cover exposed dust intake ports.
18. PERIODICALLY INSPECT dust and filter bags for any cuts, rips or tears. NEVER operate the dust collector with a damaged bag or vacuum hose.
19. The dust collector is designed for home use or light commercial duty ONLY!
20. CONNECT dust collector to a properly grounded outlet only. See Grounding Instructions.

**WARNING!**

Do not operate this unit until hose or pipe is installed onto the dust inlet port.
WARNING! This machine MUST BE GROUNDED while in use to protect the operator from electric shock. In the event of a malfunction or breakdown, GROUNDING provides the path of least resistance for electric current and reduces the risk of electric shock. The plug MUST be plugged into a matching electrical receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.

If a plug is provided with your machine DO NOT modify the plug. If it will not fit your electrical receptacle, have a qualified electrician install the proper connections to meet all electrical codes local and state. ALL connections must also adhere to NEC and OSHA mandates.

WARNING! IMPROPER ELECTRICAL CONNECTION of the equipment-grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment-grounding conductor. DO NOT connect the equipment-grounding conductor to a live terminal if repair or replacement of the electric cord or plug is necessary.

Check with a qualified electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

WARNING! Electrocution or fire could result if this machine is not grounded properly or if the electrical configuration does not comply with local and state electrical codes.

MAKE CERTAIN the machine is disconnected from power source before starting any electrical work.

MAKE SURE the circuit breaker does not exceed the rating of the plug and receptacle.

The motor supplied with your machine is a 110 volt, 60 hertz, single phase motor. Never connect the green or ground wire to a live terminal. A machine with a proper plug should only be connected to an outlet having the same configuration as the plug.

WARNING! To reduce the risk of fire or electrical shock, use the proper gauge of extension cord. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw.

The smaller the gauge-number, the larger the diameter of the extension cord is. If in doubt of the proper size of an extension cord, use a shorter and thicker cord. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating.

CAUTION! USE ONLY a 3-wire extension cord that has a 3-prong grounding plug and a 3-pole receptacle that accepts the machine’s plug. If you are using an extension cord outdoors, be sure it is marked with the suffix “W-A” (“W” in Canada) to indicate that it is acceptable for outdoor use.
Make certain the extension cord is properly sized, and in good electrical condition. Always replace a worn or damaged extension cord immediately or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

<table>
<thead>
<tr>
<th>MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VOLT OPERATION ONLY</td>
</tr>
<tr>
<td>25' LONG</td>
</tr>
<tr>
<td>0 to 6 Amps</td>
</tr>
<tr>
<td>6 to 10 Amps</td>
</tr>
<tr>
<td>10 to 12 Amps</td>
</tr>
<tr>
<td>12 to 16 Amps</td>
</tr>
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</table>
UNPACKING AND INVENTORY

Check shipping carton and machine for damage before unpacking. Carefully remove packaging materials, parts and machine from shipping carton. Always check for and remove protective shipping materials around motors and moving parts. Lay out all parts on a clean work surface.

If any parts are missing, do not attempt to plug in the power cord and run the machine. The machine should only be turned “ON” after all the parts have been obtained and installed correctly. For missing parts, contact CUTECH at 877-568-8879.

NOTE: Before calling, please note that some parts may have already been installed at the factory.

HARDWARE PACKAGE:

<table>
<thead>
<tr>
<th>NO.</th>
<th>Description</th>
<th>Specification</th>
<th>Q’TY</th>
<th>Part List No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Flange Bolt</td>
<td>5/16”x1/2”</td>
<td>24</td>
<td>NO.2</td>
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<tr>
<td>B</td>
<td>Flange Bolt</td>
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<td>C</td>
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<td>NO.7</td>
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<tr>
<td>D</td>
<td>Allen Wrench</td>
<td>M5</td>
<td>1</td>
<td>NO.32</td>
</tr>
<tr>
<td>E</td>
<td>Open Wrench</td>
<td>10x12</td>
<td>1</td>
<td>NO.33</td>
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### UNPACKING AND INVENTORY (cont.)

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<tr>
<th>NO.</th>
<th>Description</th>
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<th>Part List NO.</th>
<th>Description</th>
<th>Q'TY</th>
<th>Part List NO.</th>
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<tbody>
<tr>
<td>A</td>
<td>Collector Body</td>
<td>1</td>
<td>NO.14</td>
<td>Nuts, Screws, Washers, Spring Washers, and Wrench</td>
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<td>HDWR</td>
</tr>
<tr>
<td>B</td>
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<td>NO. 30</td>
<td>I</td>
<td></td>
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</tr>
<tr>
<td>C</td>
<td>Hose Clamp 5&quot;</td>
<td>2</td>
<td>NO. 24</td>
<td>J Inlet</td>
<td>1</td>
<td>NO.6</td>
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<tr>
<td>D</td>
<td>Base Plate</td>
<td>1</td>
<td>NO. 3</td>
<td>K Clamp</td>
<td>2</td>
<td>NO.28</td>
</tr>
<tr>
<td>E</td>
<td>Support</td>
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<td>NO. 26</td>
<td>L Hose</td>
<td>1</td>
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<td>F</td>
<td>Upper Bag Support</td>
<td>1</td>
<td>NO. 29</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Casters</td>
<td>4</td>
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<td></td>
<td></td>
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<tr>
<td>H</td>
<td>Filter Bag</td>
<td>2</td>
<td>NO. 27.31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WARNING! MAKE CERTAIN THAT THE MACHINE IS DISCONNECTED FROM THE POWER SOURCE.

STEP 1:
To assemble, first place the base plate upside down and attach the four casters to the holes provided and tighten with the wrench.

STEP 2:
With the collector body & fan/motor assembly in place, secure it to the base plate using the screws provided.
STEP 3:
Assemble the Support and Base Plate with 5/16”x1/2” Flange Bolt.

STEP 4:
Assemble the Support and Collector with 5/16”x3/4” Flange Bolt.
STEP 5:
Slip the Hose Clamps onto both ends of Hose. Then assemble and tighten Hose Clamps on Collector and Collector Body’s inlet.

STEP 6
Assemble the Upper Bag Support into the Collector.
STEP 7:
Install the Upper Filter Bag onto the Collector and also assemble the Lower Filter Bag on the bottom of Collector and tighten with Clamps.

STEP 8:
Install Inlet Port by sliding over Impeller housing and inserting screw into hole.
The Dust Collector comes with a yellow safety key which must be installed for proper operation. The safety key can be removed to prevent unauthorized operation.
<table>
<thead>
<tr>
<th>NO.</th>
<th>Description</th>
<th>Specification</th>
<th>Q'TY</th>
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<tr>
<td>1</td>
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<tr>
<td>3</td>
<td>Base Plate</td>
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<tr>
<td>4</td>
<td>Cap</td>
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<td>5</td>
<td>Chain</td>
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<td>Inlet Cover</td>
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<tr>
<td>11</td>
<td>Impeller Washer</td>
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<td>Impeller</td>
<td>11&quot;</td>
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<td>Set Screw</td>
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<td>14</td>
<td>Collector Body</td>
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<td>15</td>
<td>Motor Packing</td>
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<tr>
<td>16</td>
<td>Key</td>
<td>6x6x25</td>
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<td>17</td>
<td>Motor</td>
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<td>18</td>
<td>Washer</td>
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<td>Bushing</td>
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<td>Screw HEX. HD.</td>
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<td>Support</td>
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<td>27</td>
<td>Upper Filter Bag</td>
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<td>28</td>
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<td>Allen Wrench</td>
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<tr>
<td>34</td>
<td>Flange Bolt</td>
<td>5/16&quot;x3/4&quot;</td>
<td>4</td>
</tr>
</tbody>
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