Cool Boss™ Portable Evaporative Air Cooler

Installation and Operation Manual


Models:

- CB-16L / H
- CB-28L / H
- CB-36L / H

⚠️ DANGER

Read the entire contents of this manual before using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death. Make sure all other operators also read this manual. Keep the manual near the product for future reference. By proceeding with setup and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.

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Limitations. Every effort has been made to ensure complete and accurate instructions are included in this manual. However, product updates, revisions, and/or changes may have occurred since this manual was published. BendPak reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. BendPak is not responsible for typographical errors in this manual.

Warranty. The Cool Boss warranty is more than a commitment to you; it is also a commitment to the value of your new product. Visit www.coolboss.com/warranty for complete warranty information.

Safety. Your new product was designed and manufactured with safety in mind. Your safety also depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair your Cool Boss without reading and understanding this manual and the labels on the unit.

Owner Responsibility. In order to maintain your product properly and to ensure operator safety, it is the responsibility of the product owner to read and follow these instructions:
- Follow all setup, operation, and maintenance instructions.
- Make sure product setup conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain that all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as required.
- Service and maintain the unit only with approved replacement parts.
- Keep all instructions permanently with the product and make sure all labels are clean and visible.

Unit Information. Enter the Model Number, Serial Number, and Date of Manufacture from the label on your unit. This information is required for part or warranty issues.

Model: ____________________________

Serial: ____________________________

Date of Manufacture: __________________
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Introduction

This manual describes three models of the Cool Boss Portable Evaporative Air Cooler, which keeps your shop or workplace cool and comfortable on even the hottest summer days.

The Cool Boss models described in this manual feature an amplified speaker pair with Bluetooth® input for streaming audio from smart devices, a USB Port for charging portable devices and an Anion Negative Ion Air Purifier.

Three models are detailed with fan diameters of 16, 28 and 36 inches. Each model may be ordered in a 110 VAC or a 220 VAC version:

- **CB-16L**: 110 VAC, 60Hz, 1 Ph. Power
- **CB-16H**: 208–230 VAC, 50/60Hz, 1 Ph. Power
- **CB-28L**: 110 VAC, 60Hz, 1 Ph. Power
- **CB-28H**: 208–230 VAC, 50/60Hz, 1 Ph. Power
- **CB-36L**: 110 VAC, 60Hz, 1 Ph. Power
- **CB-36H**: 208–230 VAC, 50/60Hz, 1 Ph. Power

All three Cool Boss units described in this manual operate identically and will be referred to as Cool Boss or cooler throughout this manual. Any differences based on the selected power supply or function, will be called out in the text by the unit’s specific model number.

This manual is mandatory reading for all users of the Cool Boss, including anyone who sets up, operates, maintains, or repairs it.

⚠ **DANGER**  Be very careful when setting up, operating, maintaining, or repairing this equipment; failure to do so correctly could result in property damage, product damage, injury, or (in very rare cases) death. Make sure only authorized personnel operate this equipment. All repairs must be performed by an authorized technician. Do not make modifications to the unit; this voids the warranty and increases the chances of injury or property damage. Make sure to read and follow the instructions on the labels on the unit.
Keep this manual on or near the equipment so that anyone who uses or services the unit can read it. Assistance with your Cool Boss is available from your dealer, by calling Cool Boss at (805) 933-9970, or by emailing support@coolboss.com. You may also contact Cool Boss for parts replacement (please have the serial number and model number of your unit available).

Shipping Information

Your equipment was carefully checked before shipping. Nevertheless, you should thoroughly inspect the shipment before you sign to acknowledge that you received it.

When you sign the bill of lading, it tells the carrier the items on the invoice were received in good condition. Do not sign the bill of lading until after you have inspected the shipment. If any of the items listed on the bill of lading are missing or are damaged, do not accept the shipment until the carrier makes a notation on the bill of lading that lists the missing and/or damaged goods.

If you discover missing or damaged goods after you receive the shipment and have signed the bill of lading, notify the carrier at once and request the carrier to make an inspection. If the carrier will not make an inspection, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request.

It is difficult to collect for loss or damage after you have given the carrier a signed bill of lading. If this happens to you, file a claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping you process your claim does not make us responsible for collection of claims or replacement of lost or damaged materials.

Safety Considerations

Read this manual carefully before using your new product. Do not set up or operate the product until you are familiar with all operating instructions and warnings. Do not allow anyone else to operate the product until they are also familiar with all operating instructions and warnings.

⚠️ WARNING  California Proposition 65. This product can expose you to chemicals including styrene and vinyl chloride which are on a list of over 900 chemicals identified by the State of California to cause birth defects or reproductive harm. ALWAYS use this product in accordance with Cool Boss or BendPak’s instructions. For more information go to www.P65Warnings.ca.gov.

Safety Information

• The product is an air-cooling device. Use it only for its intended purpose.
• The product should only be operated by authorized personnel. Children should not be allowed to operate the Cool Boss. Make sure all operators read and understand the Warning labels and the Installation and Operation Manual. Keep the manual near the device at all times.
• Never operate the Cool Boss with a damaged Power Cord or Plug.
• When the product is in use, keep all body parts away from it.
• Only use the product indoors in a well-ventilated area. Ensure a window or door is open to allow adequate air flow.
• Do not make any modifications to the product. This voids the warranty and increases the chances of injury or property damage.
- Avoid using an extension cord; they can overheat. If you must use an extension cord, make sure it is a three conductor No. 14 AWG minimum with a three prong plug/receptacle and does not exceed 50-feet in length. For 100-foot extensions cords use 12 AWG minimum.
- Do not spray the outside of the unit with water. Moisture can harm the motor and other parts of the electrical system.
- Only connect the power cord to a grounded, three-prong GFCI protected receptacle.
- Lock at least two Casters before turning on the fan.
- Make a visual inspection of the product before using it. Check for damaged or missing parts. Do not use the product if you find problems with the unit. Instead, remove it from service, then contact your dealer, call Cool Boss at (805) 933-9970, or email Cool Boss at support@coolboss.com.
- Do not operate the Cool Boss if the fan has cracked or damaged blades.
- Do not operate the Cool Boss unless the Media is securely in place.
- Do not operate the Cool Boss within 35-feet (10.6 m) of an open flame or spark.
- Do not operate the Cool Boss if the GFCI does not remove power as Test button is pressed.
- Always remove the plug from the electrical receptacle by pulling on the plug not the power cord.
- CoolBoss recommends making a thorough inspection of the product at least once a year. Replace any damaged or severely worn parts, decals, or warning labels.

Save these instructions!

**Symbols**

⚠️ **DANGER**  Calls attention to an immediate hazard that will result in death or severe injury.

⚠️ **WARNING** Calls attention to a hazard or unsafe practice that could result in death or severe personal injury.

⚠️ **CAUTION**  Calls attention to a hazard or unsafe practice that could result in minor personal injury, product, or property damage.

💡 **Tip**  Calls attention to information that can help you use your product better.

**Liability Information**

BendPak Inc. Cool Boss assumes no liability for damages resulting from:

- Use of the equipment for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from BendPak Inc., Cool Boss.
- Injury or death caused by modifying, disabling, overriding, or removing safety features.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.
Frequently Asked Questions

**Question:** Is the Cool Boss an air conditioner?

**Answer:** No. it is an evaporative air cooler, sometimes called a swamp cooler. The fan pulls in hot outdoor air, a water drip spray system releases water into a Media, the water droplets evaporate when they meet the hot air, lowering the air temperature by up to 26°F, and the fan blows the cooled air in the desired direction.

**Q:** How much air does the Cool Boss cool?

**A:** Each unit can cool approximately:

<table>
<thead>
<tr>
<th>Model</th>
<th>Airflow</th>
<th>Cooling Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-16L / H</td>
<td>4,950 cfm / 140 cmm</td>
<td>1,125 ft² / 104.5 m²</td>
</tr>
<tr>
<td>CB-28L / H</td>
<td>9,020 cfm / 255 cmm</td>
<td>2,125 ft² / 197 m²</td>
</tr>
<tr>
<td>CB-36L / H</td>
<td>12,615 cfm / 357 cmm</td>
<td>3,125 ft² / 290 m²</td>
</tr>
</tbody>
</table>

**Q:** What’s the best way to set up my Cool Boss?

**A:** With the back of the unit facing a source of hot, dry air – which is what the Cool Boss will cool—and the front facing the area you want to keep cool. It will need to be near a power source also. And remember, it is portable. So you can move it to where you need it; it does not have to stay in the same place the whole time.

**Q:** Does it require special water?

**A:** No. Clean, ordinary tap water.

**Q:** Is it hard to control the Cool Boss?

**A:** Not at all. There a few, easy-to-understand controls on the unit. It also comes with a remote control, so that you can turn it on or off or change settings from wherever you happen to be.

**Q:** What about maintenance?

**A:** Very little. Basically, keep the Water Reservoir filled with clean tap water and clean the Media once in a while. Dirt and other pollutants from the environment accumulate in the Media and the Reservoir, so it is best to clean it every so often. Do not clean the Media by spraying it with high pressure water while installed in the Cool Boss! Instead, remove the Media using the procedure in the **Installing the Media section**, then clean it as per the procedure found there.

**Q:** Anything else I should know about my Cool Boss?

**A:** A ducting kit is available for the CB-16L/H only. This kit attaches to the Fan outlet, allowing you to direct and concentrate the cooling to exactly the right spot.

**Q:** Can I charge my phone on the USB port?

**A:** Yes, the Cool Boss USB port is a charge only port. No data.

**Q:** Can I stream music from my phone to the Cool Boss speakers?

**A:** Yes, the Cool Boss will pair with smart devices via Bluetooth® as long as your device is compatible with Bluetooth v5.0 and within ≈30 ft. / 9 m. Be aware that Bluetooth range may be reduced by obstacles (e.g., walls, people, and machines.) Electromagnetic interference from equipment or other Bluetooth devices will also negatively impact the actual Bluetooth range.
Specifications
<table>
<thead>
<tr>
<th>Model</th>
<th>CB-16L / H</th>
<th>CB-28L / H</th>
<th>CB-36L / H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (A x B x C)</td>
<td>41in. x 34 in. x 66.5 in.</td>
<td>52 in. x 37 in. x 76.5 in.</td>
<td>65 in. x 44 in. x 85 in.</td>
</tr>
<tr>
<td></td>
<td>1,040 mm x 860 mm x 1,689 mm</td>
<td>1,330 mm x 946 mm x 1,943 mm</td>
<td>1,650 mm x 1,117 mm x 2,159 mm</td>
</tr>
<tr>
<td>Fan diameter</td>
<td>16&quot; / 406 mm</td>
<td>28&quot; / 711 mm</td>
<td>36&quot; / 914 mm</td>
</tr>
<tr>
<td>Weight Empty</td>
<td>200 lbs. / 91 kg</td>
<td>275 lbs. / 125 kg</td>
<td>400 lbs. / 181 kg</td>
</tr>
<tr>
<td>Weight Full</td>
<td>698 lbs. / 317 kg</td>
<td>939 lbs. / 426 kg</td>
<td>1,355 lbs. / 615 kg</td>
</tr>
<tr>
<td>Water capacity</td>
<td>60 gal. / 227 liters</td>
<td>80 gal. / 303 liters</td>
<td>115 gal. / 435 liters</td>
</tr>
<tr>
<td>Maximum airflow</td>
<td>4,950 ft³/min.</td>
<td>9,020 ft³/min.</td>
<td>12,615 ft³/min.</td>
</tr>
<tr>
<td></td>
<td>140 m³/min.</td>
<td>255 m³/min.</td>
<td>357 m³/min.</td>
</tr>
<tr>
<td>Sound level</td>
<td>75 to 100 dB</td>
<td>60 to 100 dB</td>
<td>70 to 90 dB</td>
</tr>
<tr>
<td>UL® Certified</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fan RPM</td>
<td>1,700</td>
<td>1,100</td>
<td>850</td>
</tr>
<tr>
<td>Maximum Power Amperage/Watts</td>
<td>10.7A / 1,120W</td>
<td>10.1A / 1,088W</td>
<td>10.9A / 1,137W</td>
</tr>
<tr>
<td>Motor Power</td>
<td>670W / 0.9HP</td>
<td>638W / 0.85HP</td>
<td>687W / 0.92HP</td>
</tr>
<tr>
<td>Watts / Horse Pwr.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Source</td>
<td>L Models: 110 VAC, 60 Hz, 15A, single phase.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H Models: 208 to 230 VAC, 50-60 Hz, 15A, single phase.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Cord</td>
<td>15 feet / 4.5 m with GFCI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inlet Water Press.</td>
<td>≈28 to 99.5 psi / (2 to 7 kg/cm²) Max. Automatic Water Source Shutoff.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Source Shutoff</td>
<td>The Cool Boss utilizes a Mechanical Float Valve to automatically shut off the Water Source before exceeding maximum Fill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan speed</td>
<td>Variable in 10 speed increments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan type</td>
<td>Axial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controls</td>
<td>Manual pushbutton membrane panel with digital LED display or remote control.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED Floodlight</td>
<td>80W, 4000 lumens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>Antibacterial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluetooth®</td>
<td>Bluetooth® v5.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>USB port is available for charging devices only. USB 2.0 specification .5 A at 5 V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Components

The Cool Boss Unit

CB-16 pictured below.

This figure below details the interior of the unit, from the back (intake side).
The Cool Boss Control Panel

The figure below details the Control Panel.

The Control Panel’s Status Display provides the on-off status of the Cool Boss functions, the fan power settings as a percentage, current temperature of the air in °F at the Cool Boss Fan, the timer status and a low water warning.

Control Functions

**Power** – Push on-off. Applies power to the Cool Boss.

**Fan** – Push on-off. Applies power to the Fan.

**Cooling** – Push on-off. Applies power to the Pump which provides water to the Spray Bar over the Media.

**Anion Negative Ion Air Purifier** – Push on-off. Applies power to the Anion Generator.

**Timer** – Push to scroll through preprogramed shutdown times. Allows the operator to select an automatic shutdown time in 1 hour increments. Up to 12 Hours maximum.

**Up** – Push to increase the Fan speed.

**Down** – Push to decrease the Fan speed.

**LED** – Push on-off. Applies power to the LED Floodlight located the top of the Cool Boss.
⚠ CAUTION  WARNING: Physical Damage from Sharp Objects to Control Panel or Remote Control is NOT COVERED under warranty.

Do Not push buttons on Control Panel or Remote Control with any Sharp Object.

Audio System Display
The display explains audio input, active commands, and current audio file time.

Audio System Controls
- **Audio Power** – Push on-off. Applies power to the Cool Boss Audio.
- **Play Pause** – Push to begin playback or pause current audio file.
- **Prev. ❱ and Volume Down** – Quickly Push-Skips back to the previous audio file. Push and Hold to reduce speaker volume.
- **Next ❱ and Volume UP** – Quickly Push-Skips forward to the next audio file. Push and Hold to increase speaker volume.
- **Mode PixelFormat** – N/A.

Remote Control
The figure below details the remote control and identifies the control functions as defined above. The remote will be found in the box with the Casters. The Remote Control requires two (2) AAA 1.5 Volt Batteries. (Batteries are not included with the Cool Boss.)

Important: The Remote utilizes infrared light to communicate with the Cool Boss. Remote must be within 32 ft. / 10 m and have a direct line-of-sight to the Control Panel.
Setup

There are six basic steps in the Cool Boss set up.
1. Unbox.
2. Install the Casters.
3. Install the Media.
4. Determine the Cool Boss location.
5. Fill the reservoir or connect to water.
6. Connect to power.

**Tools required for Assembly:**

- Hammer
- Pry Bar
- Phillips Screwdrivers
- Metric Open End Wrench Set
- Two (2) AAA 1.5 V Batteries

**Unboxing the Cool Boss**

The Cool Boss Cooler is carefully packaged to prevent damage. Exercise care in removing the Cooler from its packaging.

⚠ **WARNING**  
Be careful not to injure yourself on sharp edges or fasteners.

⚠ **WARNING**  
You must wear the proper protective equipment at all times during setup and assembly of this Cooler: leather gloves, steel-toed boots, and back belts.

**To unbox the Cooler:**

1. Use a hammer and pry bar to **carefully** remove the shipping container from around the Cool Boss.

2. Position the Cooler with its back side down to provide access to the bottom of the unit. The back of the shipping container may be used to provide a clear, clean area to work on the Cooler. See figure below.
Installing the Casters

The Cool Boss is shipped with heavy-duty locking casters to both support and allow easy movement of the cooler around your facility. The Casters are shipped in a separate box with the Remote Control.

1. Locate and Install the four swivel Casters using the four bolts and flat washers for each Caster. As detailed in the figure below.
   
   The Casters are shipped in a separate box with the Remote Control.

2. Lock the two rear Casters by pushing down on the larger pedal. Pushing down on the small caster releases the lock.

3. Have an assistant help rotate the Cool Boss upright onto its Casters.

![Bottom View Diagram](image-url)
Installing the Media

The Cooler pulls warm air through a Media saturated with water. This Media incorporates a Moisture Lock on one side made of a black nonabsorbent resin which reduces evaporation and increases the efficiency. Properly installed Media is critical to the Cool Boss operation. The black resin side must always be installed toward the warm air side. The internal channels within the media should be oriented so that the water flows down and inward towards the fan. Refer to the figure below.

To install the Media:

1. Retrieve the Media for your specific Cool Boss model. Each Cool Boss model uses a different number of Media sections. Refer to the table below.

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty.</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-16</td>
<td>3</td>
<td>5326296</td>
</tr>
<tr>
<td>CB-28</td>
<td>4</td>
<td>5326297</td>
</tr>
<tr>
<td>CB-36</td>
<td>5</td>
<td>5326298</td>
</tr>
</tbody>
</table>

Not to scale, some components removed for clarity.
2. Remove and retain the three screws securing the Media Holder Splash Guard. Refer to the figure below.

3. Insert one Media section into the Cool Boss. Verify the Moisture Lock Black Resin side of the Media is oriented to the warm-air side. Channels in the Media are oriented to direct the water flow downward and **toward the Warm Air Intake side** of the Cool Boss. Slide the first Media as far left as possible. Refer to the figure below.
4. Install another section of Media and slide the new section of Media as far right as possible. Orient the Media channels as in the previous step.

Not to scale, some components removed for clarity.

5. Install the last section of Media in the open middle section. Orient the Media channels as in the previous step.

Not to scale, some components removed for clarity.
6. Install the Media Splash Guard using the three screws removed in step 1.

*Not to scale, components removed for clarity.*
Find a location for your Cool Boss

Find a suitable location for the Cool Boss (hot air to the rear, cooling area to the front). The Cool Boss should be indoors, near an appropriate power and water source, and in a low-traffic and well-ventilated area.

⚠ WARNING This equipment has internal arcing or sparking parts that should not be exposed to flammable vapors. The unit must not be located in a recessed area or below floor level.

⚠ WARNING Verify the floor will support the weight of the Cool Boss with a full reservoir; is well constructed and stable enough to prevent the Cooler from tipping over.

To choose a location for the Cool Boss Cooler:

1. Unlock the Casters to roll the Cool Boss. Direct the Fan outlet toward the area to be cooled.

⚠ CAUTION To ensure efficient operation, the Cool Boss requires adequate air flow for intake and exhaust. Verify a window or door is open.

2. Keep 36” / 914 mm minimum behind the Cool Boss open for air intake.

⚠ WARNING Verify the Power Cord and Water Supply Hose are routed to prevent a tripping hazard and are not routed under carpets or across sharp edges.

3. Once you have determined and moved the Cool Boss into position, Lock a minimum of two Casters, by pressing down with your foot on the large pedal locking mechanism on each Caster. To unlock the Casters, press down on the small pedal.

⚠ CAUTION Do not start the Cool Boss until you have locked a minimum of two Casters; this ensures that unintended movement caused by the thrust of the Fan will not occur.
Fill the Water Reservoir

There are two options to fill the Reservoir, using a hose connected to the 3/4 inch Water Inlet Connector with Float Valve, or manually filling the Reservoir through the Reservoir Fill Inlet.

To fill the Reservoir:

1. You may connect to the Water Inlet Connector on the left side of the unit using the standard 3/4 inch Hose fitting and a Hose that is rated to 28 to 99.5 psi / (2 to 7 kg/cm²) maximum water pressure at your location. Turn on the water and verify there are no leaks at the connection point. A Hose is **not** supplied with the Cool Boss. See figure to the right.

   If you are utilizing the 3/4 inch Water Inlet Connector, the Reservoir Float Valve will shut off the water before the maximum fill level is exceeded.

![Flow Control Valve](image)

![Water Inlet 3/4” Hose Fitting](image)

⚠ **CAUTION** Do not connect to a water source with a supply pressure in excess of ≈28 to 99.5 psi / (2 to 7 kg/cm²).

2. Alternatively, you may manually fill the Reservoir using the Water Reservoir Inlet found below the Reservoir Fill Level Gauge. Remove the threaded plug and fill.

   Add **clean** water. Fill to the Max. fill level only, do **not** overfill. Monitor the Reservoir level using the Fill Gauge located on the front of the Cool Boss. See the figure below. Water temperature must be less than 113°F (45°C).

   After filling, Replace the Threaded Plug, remove and dry any spilled water on the cool boss or floor around the unit.

⚠ **CAUTION** Use only cold clean water to fill the Cool Boss. No detergents or additives of any kind.

<table>
<thead>
<tr>
<th>Model</th>
<th>Water Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-16L / H</td>
<td>≈60 gal. / 230 liters</td>
</tr>
<tr>
<td>CB-28L / H</td>
<td>≈80 gal. / 300 liters</td>
</tr>
<tr>
<td>CB-36L / H</td>
<td>≈115 gal. / 440 liters</td>
</tr>
</tbody>
</table>
Connecting to Power

Before connecting this unit to a power source, first verify the required voltage by studying the model nameplate affixed to your machine. Any Cool Boss model number with an L suffix indicates 110 VAC operation; model numbers with an H suffix indicates 208 to 240 VAC operation (e.g. CB-16L for 110 VAC operation, CB-16H for 220 VAC operation). It is recommended that a separate electrical circuit servicing only the Cool Boss be provided.

If your Cool Boss is equipped with a plug not compatible with your current power source, you must contact a licensed, certified Electrician. The Electrician will install a separate 15 Amp circuit protected by a fuse or circuit breaker with an appropriately grounded power receptacle in accordance with all national and local electrical codes. Use an outlet that cannot be turned off by a switch.

No Electrician is required to use the Cool Boss with a 110 VAC power source as shipped from the factory. Units operating at 110 VAC have the appropriate plug attached. Only units requiring 220 VAC operation require an electrician to install the required 220 VAC plug.

⚠ DANGER All electrical work must be accomplished by a licensed, certified Electrician, in accordance with national and local electrical codes. If you do not use a licensed, certified Electrician, you void your warranty and put everyone who uses the cooler in danger of injury or, in rare cases, death.

To connect the Cooler to a 220 VAC power source:

1. Verify the Cool Boss is disconnected from the power source.
   If it is connected, disconnect it. Do not begin to install a 220 VAC plug until you are sure that power has been disconnected from the unit.

2. Verify the Cooler is configured for 220 VAC operation. Locate the Model/Serial Number plate near the Cooler Display. The operating voltage is indicated on this data plate and should indicate 208 – 230 VAC operation. If this data plate indicates 110 VAC, then the unit cannot be run on 220 VAC.

3. Have a licensed Electrician attach a 250 VAC NEMA 30A, 2-Pole, 3-Wire plug. This Plug is not shipped with the Cool Boss. You must have the Electrician bring the correct plug.
   The colors of the three exposed wires from the power cord are Brown, Blue, and Green/Yellow, the European color code.

Important: To connect the three exposed wires to an appropriate Plug or to hard-wire them, have your Electrician follow the electrical codes for the country and locality in which you are using the unit.

For example, if you are using the unit for 220V in the United States, the color codes of the power cord wiring on the Cooler correspond to:

- **Brown**: Live
- **Blue**: Live
- **Green/Yellow**: Ground

If you were using the unit in a European country, the color codes on the wiring that comes with the Cooler correspond to:

- **Brown**: Live
- **Blue**: Neutral
- **Green/Yellow**: Ground
Information about color code conventions in other regions and countries is available online. Make sure your Electrician installs the Plug in accordance with all applicable national and local electrical codes.

4. Plug the Cool Boss power cord into a 220 VAC outlet protected by an appropriate circuit breaker.

5. Test the unit to verify the Cooler is working normally.

**Additional electrical information:**

Damage caused by improper electrical installation (such as not grounding the unit) voids the warranty.

- **WARNING** Disconnect power before performing any troubleshooting or maintenance. Make sure the unit cannot be re-energized until you are done.

- **WARNING** Plug into a properly grounded electrical receptacle only.

- **WARNING** Never remove the Ground Prong from the plug end of the Power Cord.

**Ground Fault Circuit Interrupter (GFCI)**

The Cool Boss incorporates a Ground Fault Circuit Interrupter. The GFCI acts as a Circuit Breaker in the event of a Ground Fault. A Ground Fault occurs when the power conductor comes into direct contact with the equipment’s frame or Ground. To test the GFCI see the Maintenance Section.

- **WARNING** The Cool Boss must connected to a properly grounded electrical outlet for the GFCI to function. If the Outlet is not correctly grounded or if the Power Cord is damaged preventing the Ground connection, the GFCI cannot protect you from electrical shock.

**Extension Cords**

If an extension cord is required, use only cords with a polarized plug/receptacle no longer than 100 feet in length. Never use an extension cord that is not properly rated to handle the electrical load. When making connections, ensure all local and national electrical codes are adhered to.

<table>
<thead>
<tr>
<th>Minimum requirements for Extension Cords</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-50 Feet in length</td>
</tr>
<tr>
<td>Up to 100 Feet in length</td>
</tr>
</tbody>
</table>

- **WARNING** For generator users and or areas with frequent brown-out conditions. Motor failure due to excessive high or low voltage is not covered under warranty. If you plan to use the Cool Boss with a Generator or operate in an area with frequent brown-outs, verify that the power source can provide the required current and voltage. While voltage variations are common (±5%) both high and low voltage episodes in excess of 15% to 20% can cause Electric Motor overheating and premature Motor failure.

  Low voltage will cause the Motor to draw more electrical current to deliver the same amount of force to the Fan Blades. Excessive current overheats the Motor Windings, eventually burning through the insulation and resulting in complete Motor failure.

  High voltage episodes can cause premature failure of electrical and electronic components due to overheating.
Operation

This section describes how to operate your Cool Boss Evaporative Cooler.

⚠ WARNING The Cool Boss should only be operated by authorized, trained personnel. This includes reviewing and understanding the Operation Manual and safety Labels on the Cool Boss. Do not allow children or impaired persons to operate Cool Boss.

⚠ WARNING Never roll anything heavy or sharp over the power cord. Find a location where people will not be walking over the power cord, presenting a tripping hazard. The product should only be operated by authorized, trained personnel.

⚠ WARNING Never operate the Cool Boss unless the Ground Fault Circuit Interrupter (GFCI) is functioning.

⚠ WARNING Never remove the Ground Prong from the plug end of the Power Cord.

⚠ WARNING Do not run the Power Cord under a rug or other flammable material.

⚠ WARNING Use only in a well-ventilated open environment with a fresh air supply.

⚠ WARNING Do not use Cool Boss near airborne pollutants, flammable gases and contaminates.

⚠ WARNING Ambient operating temperature must remain between 65 to 113°F / 18 to 45°C.

⚠ WARNING Never spray unit with water as moisture may harm the motor or other electrical system components.

⚠ WARNING Do not operate near open containers of flammable liquids or gases.

⚠ WARNING Always maintain minimum 50 ft. / 15 meters from open flame or sparks.

⚠ WARNING The Cool Boss is not designed to be used by children or persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use by a person responsible for their safety.

⚠ WARNING Hearing protection required when Fan is operating at maximum and personnel are closer than 10 ft. / 3 m for prolonged periods.

⚠ WARNING Never operate the Cool Boss unless all Media is securely in place.

⚠ WARNING Always dry the Media after use by turning off the Cooling and running the Fan without circulating water. This may take from 15 to 45 minutes depending on temperature and humidity.
To operate the Cool Boss for cooling:

1. Before starting the Cool Boss, verify that the Media Holder Splash Guard over the Media is secured in place. This will reduce the chances of water splashing out of the Cool Boss and creating a slipping hazard in front of the Media.

2. Open a Door or Window, if using the Cool Boss indoors. Sufficient airflow for intake and exhaust is critical.

3. Verify that the Cool Boss is connected to a Water Source through the ¾” Hose Inlet or the Water Reservoir is full.

4. Close the Flow Control Valve (turn the Valve clockwise until it stops). See figure to the right.

5. Verify at least two of the locking Casters are locked to prevent the Cool Boss from moving with additional thrust from the Fan.


8. Press the Fan button to supply power to the Fan. The Fan indicator will light on the Status Display. Press Up or Down to adjust the power setting to 25% or less.

9. Verify the Low Water Indicator displays Green on the Status Display. If the Low Water indicator displays Red, verify the water source is connected and providing water under pressure. If filling manually, turn off the Cool Boss, unplug it from power and fill the Reservoir.

10. If the Low Water Indicator is Green, Press the Cooling button once to turn on the Pump. The Cooling indicator will light on the Status Display.

11. Slowly open the Flow Control Valve. Leave the Flow Control Valve on low until the top ≈30% of the Media becomes saturated (30 seconds minimum). Once the top 30% of the Media is saturated the Flow Valve may be slowly opened to increase the flow of water.

⚠ CAUTION Fully opening the Flow Control Valve onto dry Media will flood the Media faster than it is capable of absorbing the water. Water will then be forced out of the Media onto the floor and surrounding area. Carefully adjust the Flow Control to evenly saturate the Media before increasing the flow of water onto the Media and before applying more power to the Fan.

⚠ CAUTION Make sure there is water in the Water Reservoir before pressing Cool; if not, the Pumps’ internal low-water switch will keep the Pump in the off condition.

⚠ WARNING Rotating Fan Blades! Keep hands, fingers, and loose clothing away from the Fan when it is running.

12. Press Up or Down to adjust the Fan speed on the Control Panel or the Remote Control.

13. Increase the flow of water to increase cooling as the media becomes saturated.
To shut down the Cool Boss:

1. **Close** the Flow Control Valve and turn off the Pump by pressing the Cooling Button once.
2. If using the ¾ inch Water Source inlet, **close** the Valve supplying the water to the Cool Boss.
3. Run the Fan to dry the Media.
4. When the Media is dry press the Cool Boss power button to shut down the Cool Boss.

⚠ **WARNING** Always dry the Media after use by turning off the Cooling and running the Fan without circulating water. This may take from 15 to 45 minutes depending on temperature and humidity.

To shut down the Cool Boss using the Timer:

1. **Close** the Flow Control Valve and turn off the Pump by pressing the Cooling Button once.
2. If using the ¾ inch Water Source inlet, **close** the Valve supplying the water to the Cool Boss.
3. Press the **Timer** button until the desired number of hours before shut-down are displayed.
   - The Cooler will shut down based on the time entered.

**Anion Negative Ion Air Purifier Operation**

The Cool Boss Anion Generator utilizes high voltage to electrically charge the air moving through the Cool Boss. This electrical charge generates negative ions (Anions) in the air. Anions are highly effective in removing particulates from the air.

To use the Anion Negative Ion Air Purifier function:

Push the Anion button once on the Control Panel or the Remote Control and the Anion indicator will illuminate on the Status Display indicating the Generator is in operation.

Push the Anion button once more to shut down the Anion generator.

**Audio System Operation**

The Cool Boss includes a Bluetooth v5.0 receiver that will stream audio files from your mobile device.

To use the Cool Boss Audio System with Bluetooth®:

1. Verify power is supplied to the Cool Boss.
2. Turn the Cool Boss Volume Control to a low level.
3. Press the **Power** button in the Cool Boss Audio section.
4. Press the Mode button until the **BT** is illuminated on the Audio Display section of the Cool Boss.
5. A chime will sound from the Cool Boss and **UE** will appear on the audio display. Refer to the figure below.
6. Go to the Bluetooth settings on your mobile device and select **XF-a** from the list of available Bluetooth devices to pair.

7. A chime will sound if your mobile device was successfully paired.

8. Select and play the desired media on your mobile device.

9. Adjust the volume to your desired level.

10. To shut down the Audio System simply press the Power Button once.

**To charge your phone using the USB port:**

The Cool Boss includes a USB port that will charge portable electronic devices conforming to the USB 2.0 specification, delivering up to 0.5 Amps at 5 Volts. The USB port is provided power anytime the Cool Boss is in the on condition. The USB port will **not** play audio files through the Cool Boss.

⚠ **CAUTION**  Contaminated, wet or damaged USB connectors may cause damage to the Cool Boss Control. Always verify that the USB you are using is clean and dry before plugging into the Cool Boss or your portable device.

1. Connect the Cool Boss to power.

2. Connect your phone to the USB connector on the Cool Boss Control Panel using an appropriate USB cable. A USB Cable is **not** provided with the Cool Boss.

3. Press the Cool Boss **Power** button **not the Audio Section** power button.

4. Power should now be provided to the USB device.
Cool Boss Accessories - Ducting Kit

A Ø20 in. / Ø 508 mm x 15 ft. / 4.5 m Reinforced Polyvinyl Flexible Ducting kit may be purchased as an accessory for the CB-16L and H models only. (SKU 5150236) The Ducting Kit allows cool air to be directed precisely where you need it. Find more information on the web at coolboss.com. You can always find the latest information and Quick Start Guide for the Ducting kit on the Cool Boss website.
Maintenance

⚠️ **DANGER**  Disconnect the unit from its power source *before* performing any maintenance! Make sure the unit is locked out from power and cannot be energized while maintenance is being performed. If your organization has Lockout/Tag out policies, make sure to implement them before servicing the Cool Boss.

⚠️ **WARNING**  Rotating Fan Blades can cause serious injury! Keep hands and loose clothing clear!

⚠️ **WARNING**  Disconnect the Power Cord when cleaning the Cool Boss and exercise care to avoid splashing water on the motor or internal electronics.

To maintain the Cool Boss:

- **Daily.** Turn off the Cooling Pump and run the Fan to dry the Media and inhibit the growth of bacteria, mold, and mildew. Typically, Media drying can take 15 to 60 minutes depending on the current temperature and humidity.

- **Weekly.** Change the Cool Boss Reservoir water when it gets dirty. Dirt and other pollutants from the environment will get into the water and reservoir. Cool Boss recommends draining and cleaning the Reservoir weekly or more often depending on the frequency of use and the cleanliness of the environment.

⚠️ **CAUTION**  Exercise care when removing the Drain Plug on the bottom of the Reservoir. There is a sealing O-Ring on this plug that may stick to the housing and later fall to the ground and possibly become lost. See figure to the right.

- **Weekly.** Drain and clean the Cool Boss Water Reservoir. Dirt and other pollutants from the environment can settle in the Cool Boss Water Reservoir. Regular cleaning can remove these contaminants and reduce the build-up of minerals.

- **Monthly.** Check the GFCI function monthly. Test the GFCI on the Cool Boss Power Cord once a month to ensure it is working and protecting you from electric shock.

- **Monthly.** Clean the outside of the unit. Use no harsh chemicals. Unplug the Cool Boss and wipe down the outside of the unit with a damp cloth. The frequency of use and the cleanliness of the environment will affect the frequency of cleaning required.

⚠️ **WARNING**  Do not spray the Cool Boss with water. The electronics are not sealed. Water can damage the motor and/or other parts of the electrical system.

- **Monthly.** Empty the Reservoir and clean it.

- **Monthly.** Remove the Media and clean as detailed below. Dirt and other pollutants from the environment will become caught in the Media. Clean it regularly to keep the air fresh and clean.

⚠️ **WARNING**  Do not operate your Cooler if you find maintenance issues; instead, remove it from service. Assistance with your Evaporative Cooler is available from your dealer, by calling Cool Boss at *(805) 933-9970*, or by emailing *support@coolboss.com*. You may also contact Cool Boss for parts replacement (please have the serial number and model number of your unit available).
To clean the Reservoir:

1. The Media must be dry before removing. If the Media is wet, run the Fan without running the Cooling Pump until dry.
2. Turn off and then unplug the Cool Boss.

⚠ WARNING Disconnect the unit from its power source before performing any maintenance! Make sure the unit is locked out from power and cannot be energized while maintenance is being performed. If your organization has Lockout/Tag out policies, make sure to implement them before servicing the Cool Boss.

3. Remove and retain the three Splash Guard Fasteners securing the Media Holder Splash Guard and then remove the Splash Guard.
4. Remove the center Media first by pulling the top of the Media away from the Cool Boss. You may need to apply a little pressure to get the Media out. Be careful not to damage the Media.
5. Remove the remaining Media in the same manner.
6. Remove the plug at the bottom of the Reservoir and drain into a container or appropriate drain.

⚠ CAUTION Take care to retain the O-Ring that provides a seal between the Plug and the Reservoir.
7. Remove any residual water with rags or a wet dry vacuum.
8. Wipe with clean rags and remove any mineral deposits. Use no harsh chemicals.
9. Refill the Reservoir and replace the Media. The Cool boss is ready to use.

Tip Cool Boss recommends wearing gloves when handling the Media.

To clean the Media:

1. The Media must be dry before removing. If the Pad is wet, run the Fan without running the Cooling Pump until the Pad is dry.
2. Turn off and then unplug the Cool Boss.

⚠ WARNING Disconnect the unit from its power source before performing any maintenance! Make sure the unit is locked out from power and cannot be energized while maintenance is being performed. If your organization has Lockout/Tag out policies, make sure to implement them before servicing the Cool Boss.

3. Remove and retain the three Splash Guard Fasteners securing the Media Holder Splash Guard and then remove the Splash Guard.
4. Remove the center Media first by pulling the top of the Media away from the Cool Boss. You may need to apply a little pressure to get the Media out. Be careful not to damage the Media.
5. Remove the remaining Media in the same manner.
6. Rinse the Media under running water to clean and use a soft brush or rag to gently remove accumulated dirt. Do not use highly pressurized water or air to clean the Media.
7. Dry the Media before attempting to reinstall in the Cool Boss.
8. Put the Media back in place. Install the bottom first and then the top. You may need to apply gentle pressure to get the top of the pad into place.
**To test the GFCI incorporated into the Cool Boss Power Cord:**

1. Plug the cord into a properly grounded wall outlet. The indicator should be illuminated. Refer to the figure below.
   a. If not, check the wall outlet for power.
   b. If power is present at the outlet, the Power Cord or the GFCI is defective and requires replacement.
2. Press the small Test button. The Indicator should go out and no power should be available at the Cool Boss.
3. Press the Reset Button and the Indicator should be illuminated again. The Cool Boss should now be provided power and is ready for use.
4. If the GFCI does not function, take the unit out of service, contact your dealer or Cool Boss Support at [coolboss.com/support](http://coolboss.com/support), via email at [support@coolboss.com](mailto:support@coolboss.com), or by phone at (800) 253-2363.

⚠ **WARNING** Do not use the Cool Boss if the GFCI fails this test.

⚠ **WARNING** The GFCI does not protect against electrical shock due to contact with both circuit conductors or a fault in the wiring supplying the GFCI.

![GFCI test button](image)

**To store the Cool Boss:**

1. Drain the Reservoir and wipe clean and dry.
2. Secure the electrical cord.
3. Cover the Cool Boss Cooler to prevent dust build-up and store in a dry, protected area.
## Troubleshooting

⚠ **WARNING** This Evaporative Cooler uses electrical energy; if your organization has Lockout/Tagout policies, make sure to implement them before performing any Troubleshooting.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Probable Cause</th>
<th>Action to Take</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Panel inoperative.</td>
<td>No power.</td>
<td>– Check the power supply.</td>
</tr>
<tr>
<td></td>
<td>Circuit Breaker open.</td>
<td>– Reset the circuit breaker.</td>
</tr>
<tr>
<td></td>
<td>Panel component failure.</td>
<td>– Replace the panel.</td>
</tr>
<tr>
<td>Unit not working.</td>
<td>No power.</td>
<td>– Power cycle the unit on-off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Verify the power supply is functional.</td>
</tr>
<tr>
<td>Fan not working or moving slowly.</td>
<td>Fan is stuck.</td>
<td>– Check for blockage and remove.</td>
</tr>
<tr>
<td></td>
<td>Fan is broken.</td>
<td>– Repair fan.</td>
</tr>
<tr>
<td></td>
<td>Brown-out or low voltage.</td>
<td>– Correct voltage supply issue.</td>
</tr>
<tr>
<td>Motor not working.</td>
<td>Control Panel is not working.</td>
<td>– Replace Control Panel.</td>
</tr>
<tr>
<td></td>
<td>Motor failure</td>
<td>– Replace motor.</td>
</tr>
<tr>
<td>Drain leaks.</td>
<td>Drain Plug is not tight</td>
<td>– Tighten Drain Plug.</td>
</tr>
<tr>
<td></td>
<td>Drain Plug is cross-threaded.</td>
<td>– Replace Plug, if thread is ruined.</td>
</tr>
<tr>
<td></td>
<td>O-Ring is missing</td>
<td>– Replace O-Ring.</td>
</tr>
<tr>
<td>Fan dripping water.</td>
<td>Water tubing is disconnected or leaking.</td>
<td>– Check internal water connections and tubing.</td>
</tr>
<tr>
<td>Remote does not work.</td>
<td>Battery is inoperative.</td>
<td>– Replace both batteries (AAA 1.5 V).</td>
</tr>
<tr>
<td></td>
<td>Something is obstructing receiver or remote.</td>
<td>– Clear the obstruction.</td>
</tr>
<tr>
<td></td>
<td>Remote is out of range of the receiver.</td>
<td>– The remote must be within 32-ft. / 10 m and have a direct line-of-sight to the Cool Boss Control Panel.</td>
</tr>
<tr>
<td>The USB port will not charge my phone.</td>
<td>Damaged cable or connector(s).</td>
<td>– Replace the cable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check for debris in the connector.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check for bent or broken pins on the connector(s).</td>
</tr>
<tr>
<td>The Cool Boss Audio System is not playing audio through the Aux. Audio Jack.</td>
<td>Damaged cable or connector(s).</td>
<td>– Replace the cable.</td>
</tr>
</tbody>
</table>
### Issue
My Bluetooth device is not connecting.

### Probable Cause
- Cool Boss Audio System not on or not set to Bluetooth operation.
- Smart device not paired with the Cool Boss.
- Smart device is out of range.
- Wireless signal interference.
- Insufficient frequency available due to the number of active wireless devices in the immediate area.
- Interference from 4 GHz cordless phone.

### Action to Take
- Make sure the Cool Boss Audio System is set to BT mode. BT should be illuminated on the Cool Boss audio panel.
- Verify your smart device is paired with the Cool Boss Audio System and the Bluetooth function is active.
- Perform the Bluetooth Pairing procedure again.
- Place your Bluetooth device closer to the Cool Boss – it may be out of range.
- Move your Bluetooth device and the Cool Boss away from wireless sources – you may be experiencing interference.
- Turn the Cool Boss Audio System off then on again.
- If you have multiple Bluetooth Devices, verify you are connected to the correct device.
- In heavy Wi-Fi traffic areas, multiple signals in close proximity to the Cool Boss may take up a lot of the frequency spectrum and the Bluetooth may not have any available spectrum to utilize.
- Move or replace the 4 GHz cordless phone

Assistance with your Cool Boss is available from your dealer, by calling Cool Boss at (805) 933-9970, or by emailing support@coolboss.com. You may also contact Cool Boss for parts replacement (please have the serial number and model number of your unit available).
# Parts Diagram

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty.</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16</td>
<td></td>
<td>Screw</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Grill, Protective Fan Blade</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>5326286</td>
<td>Electric Cord; CB-16, CB-28, CB-36 (used inside to connect electrical components)</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td></td>
<td>Outlet Pipe</td>
</tr>
<tr>
<td>6</td>
<td>1 set</td>
<td>5326293</td>
<td>Casters Set; CB-16L/CB-16H, CB-28 L/CB-28H (4-each/4&quot; size specific)</td>
</tr>
<tr>
<td>6</td>
<td>1 set</td>
<td>5326294</td>
<td>Casters Set; CB-36L / CB-36H (4-each/5&quot;; size specific)</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td></td>
<td>Housing, Cooling Shell</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>5326288</td>
<td>Electronic Touch Pad Control Panel; CB-16, CB-28, CB-36 (all L/H models)</td>
</tr>
<tr>
<td>9</td>
<td>3</td>
<td></td>
<td>Fasteners (Splash Guard)</td>
</tr>
<tr>
<td>10</td>
<td>2</td>
<td></td>
<td>Switch Cover Plate</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td></td>
<td>Media Holder Splash Guard</td>
</tr>
<tr>
<td>Item</td>
<td>Qty.</td>
<td>Part Number</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td></td>
<td>Bonnet, Spray Bar</td>
</tr>
<tr>
<td>13</td>
<td>2</td>
<td>5326301</td>
<td>Spray Bar End-Cap; CB-16, CB-28, CB-36 (all L/H models) 2 per unit.</td>
</tr>
<tr>
<td>14</td>
<td>1</td>
<td>5326300</td>
<td>Clear Tubing; CB-16, CB-28, CB-36 (all L/H models; 3/4&quot; inside diameter x 8' for Constant Water Inlet Connection to Shut-off Valve and Submersible Pump to the Spray Bar)</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td>Valve, Flow Control</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td>Mounting Bracket, Control Valve</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>1</td>
<td></td>
<td>Clamp, Wire Spring</td>
</tr>
<tr>
<td>19</td>
<td>1</td>
<td>5326283</td>
<td>Bracket, Submersible Pump Mount</td>
</tr>
<tr>
<td>20</td>
<td>1</td>
<td>5326283</td>
<td>Submersible Pump; CB-16L (110V)</td>
</tr>
<tr>
<td>20</td>
<td>1</td>
<td>5326284</td>
<td>Submersible Pump; CB-28L (110V)</td>
</tr>
<tr>
<td>20</td>
<td>1</td>
<td>5326285</td>
<td>Submersible Pump; CB-36L (110V)</td>
</tr>
<tr>
<td>21</td>
<td>2</td>
<td></td>
<td>Clamp, Wire Spring</td>
</tr>
<tr>
<td>22</td>
<td>1</td>
<td></td>
<td>Bolt, Float</td>
</tr>
<tr>
<td>23</td>
<td>1</td>
<td></td>
<td>Regulator, Inlet Water</td>
</tr>
<tr>
<td>24</td>
<td>1</td>
<td></td>
<td>Adapter, Hose</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
<td>Hose, Float</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>5326295</td>
<td>Constant Water Inlet Shut-Off Valve; CB-16, CB-28, CB-36 (all L/H models) (Float Valve)</td>
</tr>
<tr>
<td>27</td>
<td>3</td>
<td>5326296</td>
<td>Media Pads; With Black Resin Face; CB-16L / CB-16H (3-pads for each unit)</td>
</tr>
<tr>
<td>27</td>
<td>4</td>
<td>5326297</td>
<td>Media Pads; With Black Resin Face; CB-28L / CB-28H (4-pads for each unit)</td>
</tr>
<tr>
<td>27</td>
<td>5</td>
<td>5326298</td>
<td>Media Pads; With Black Resin Face; CB-6L / CB-36H (5-pads for each unit)</td>
</tr>
<tr>
<td>28</td>
<td>1</td>
<td>5326292</td>
<td>Electric Power Cord w/ GFCI; CB-16L, CB-28L, CB-36L (voltage specific with 110v plug attached)</td>
</tr>
<tr>
<td>29</td>
<td>1</td>
<td>5326299</td>
<td>Remote Control And Holder; CB-16, CB-28, CB-36 (all L/H models)</td>
</tr>
<tr>
<td>Item</td>
<td>Qty.</td>
<td>Part Number</td>
<td>Description</td>
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<td>Fan Shroud (Venturi)</td>
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<td>Blade, Fan</td>
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<td>Variable Speed Fan Motor 110V; CB-16L (voltage specific)</td>
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<td>Variable Speed Fan Motor 110V; CB-28L (voltage specific)</td>
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<td>Variable Speed Fan Motor 110V; CB-36L (voltage specific)</td>
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<td>Water Level Indicator Assy.</td>
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<td>5326287</td>
<td>Spray Bar; CB-36L/CB-36H (size specific; distributes water to the top of the media)</td>
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<td>Spray Bar; CB-28L/CB-28H (size specific; distributes water to the top of the media)</td>
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<td>Spray Bar; CB-16L/CB-16H (size specific; distributes water to the top of the media)</td>
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<tr>
<td>37</td>
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<td>Anion Negative Ion Air Purifier</td>
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<td>38</td>
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<td>5326302</td>
<td>Fill Cap; CB-16, CB-28, CB-36 (all L/H models)</td>
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<td>39</td>
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<td>Protective Cover CB-16L /16H (size specific)</td>
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<td>Protective Cover CB-28L /28H (size specific)</td>
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<td>5326305</td>
<td>Protective Cover CB-36L /36H (size specific)</td>
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</tbody>
</table>
Labels

A

Cool Boss Evaporative Air Cooler

B

P/N 5900271 — January 2023 — Rev. A5

C

WARNING

SAFE OPERATION
- Read and understand safety instructions and all warning labels.
- NEVER operate if there is any damage to the plug or cord.
- DO NOT route power cord under carpeting or flooring.
- NEVER cover power cord with throw rugs, runners, or similar coverings.
- Minimize risk by routing power cord away from points of traffic area.
- ALWAYS unplug the electric cord before performing inspections or repairs.
- Plug into three-prong grounded GFCI-protected electrical receptacle only.
- NEVER plug in or unplug power cord with heavy or sharp objects.
- ALWAYS unplug from electrical receptacle by pulling on the plug and not the cord.
- ALWAYS test the GFCI receptacle or breaker monthly to ensure proper function.
- DO NOT operate near open containers of flammable liquids or gases.
- ALWAYS maintain a distance of at least 50 ft from any open flame or flames.
- NEVER spray or wash unit with a garden hose as water may harm motor and other electrical system components.
- If the unit is damaged or it malfunctions, contact service immediately. Visit www.coolboss.com and refer to the warranty, troubleshooting, or FAQ page. To reach a technical support expert, call 1-833-239-3000 or email support@coolboss.com.

D

WARNING

Cooling pads must be installed and caster locks must be engaged before operation.

E

WARNING

SET UP AND OPERATION
- DO NOT RUN PUMP DRY or severe pump damage or failure will result.
- Use only in a well-ventilated open environment with fresh air supply.
- Area must be free from airborne pollutants, flammable gases and contaminants.
- Ambient operating temperature must remain between 65-113°F (18-45°C).
- Maximum water temperature should not exceed 113°F (45°C).
- Verify that the Power Cord is connected to the correct voltage before operation.
- (115VAC Max. 1 Ph. 60 Hz or 220VAC Max. 1 Ph. 60 Hz)
- NEVER spray unit with water as moisture may harm motor and other electrical system components.
- Before performing any type of service or cleaning, turn power unit to OFF, disconnect power unit from the electrical power source.

CONSUMER NOTICE: This product contains chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

F

DANGER

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN DEATH, FIRE, OR ELECTRICAL SHOCK.
- DO NOT use any extension cord or cord adapter that is not properly rated to handle power load.
- NEVER remove ground pin from plug cord.
- DISCONNECT POWER before servicing or removing any panels, covers or doors.
- Plug into a grounded three-prong GFCI-protected receptacle only.
- ALIGHT not to CHS receptacle or breaker in order to ensure proper function.
- Check electrical outlet is correct polarity before use.
- DO NOT use water near the unit.
- DISCONNECT FOR USE OF ANY OTHER UNAUTHORIZED EQUIPMENT.
- NEVER install this equipment in any way or manner that will be hazards.
- All repairs must be handled by authorized technicians.

IMPORTANT / REQUIRED POWER SOURCES
Before connecting this unit to a power source, first verify the voltage that will be required by studying the model specifications as shown in your manual. (115VAC, 115VAC, 1 Ph 60 Hz or 220VAC, 2 Ph 60 Hz, 115VAC, 1 Ph 60 Hz)
If your machine is equipped with a plug that is not applicable to your power source, change the plug as required using an approved NEMA-socket plug. Connected only by a fused and grounded electrical supply. It is recommended that a separate circuit serving only the unit be used. Use an outlet that cannot be turned off. A fused outlet cord is required. Use only cords supplied or electrical plug does not longer than 100 feet in length. NEMA use an extension cord or a power unit that is properly rated to handle the power load. If making such connections, insure that outlet and extension cords are adhered to. Use only with GFCI protected receptacles.

MINIMUM REQUIREMENTS FOR EXTENSION CORDS
- 25-DEGREE IN LENGTH MIN. 14 GAUGE
- UP TO 100 FEET IN LENGTH MIN. 12 GAUGE

WARNING: ALL WORK MUST BE FORMED BY A CERTIFIED ELECTRICAL OR DENTISTRY OFFICIAL. THE INSTALLATION OF ANY POWER SOURCES OR CIRCUIT BREAKERS IS THE RESPONSIBILITY OF THE INSTALLER, AS THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY CAUSED BY USE OF THIS EQUIPMENT, INCLUDING BUT NOT LIMITED TO, THE ABSENCE OF A GROUND, IMPROPER INSTALLATION, OR IMPROPER USE. READ ALL INSTRUCTIONS AND WARNINGS BEFORE USE. SECURE ALL MOUNTING BRACKETS AND BRACE TO STRUCTURAL SUPPORTS. READ ALL INSTRUCTIONS AND WARNINGS BEFORE USE.
Maintenance Log