



CT-MAC5

5-Ton Portable Air Conditioner w/Heat

Installation & Operation Manual



Before Installing and using your ClimaTemp portable air conditioner, please read this manual carefully for instructions on correct installation and usage.

Nameplate Label

CT-MAC5		PORTABLE SPOT COOLER	
Power	AC230V/60Hz/1PH		
Cooling Capacity	60000Btu		
Air Volume	High	Low	
Cold Air Flow(cooling)	2000CFM	1361CFM	
Hot Air Flow(cooling)	3535CFM		
Rated Current (cooling)	38.6A	36.1A	
Max Current(cooling)	45A		
Power Consumption(cooling)	8700W	8220W	
Heating Capacity	10KW		
Hot Air Flow (heating)	2000CFM	1361CFM	
Rated Current (heating)	48.7A	46.4A	
Power Consumption(heating)	11100W	10550W	
Compressor	Fully Enclosed Rotary		
Refrigerant	R-32		Refrigerant Safety Group A2L
Refrigerant Capacity	4200(9.26Lb)		
Discharge Pressure	3.1MPa		
Suction Pressure	1.2MPa		
Max Operating Pressure	4.2MPa		
Cooling Operating Range	18℃ ~ 45℃ (65°F ~ 113°F)		
Dimensions	D57"×W32"×H52.7"		
Weight	314Kg(692.5Lb)		
Serial Number			

MADE IN P.R.C.

MADE IN P.R.C.

* The above data measurements were tested at a temperature of 95°F and a relative humidity of 60% RH.

Unit Identification:

To identify your ClimaTemp unit, refer to the Nameplate Label located on the unit. The Nameplate Label contains essential information about your unit, helping you accurately identify its model, serial number and specifications.

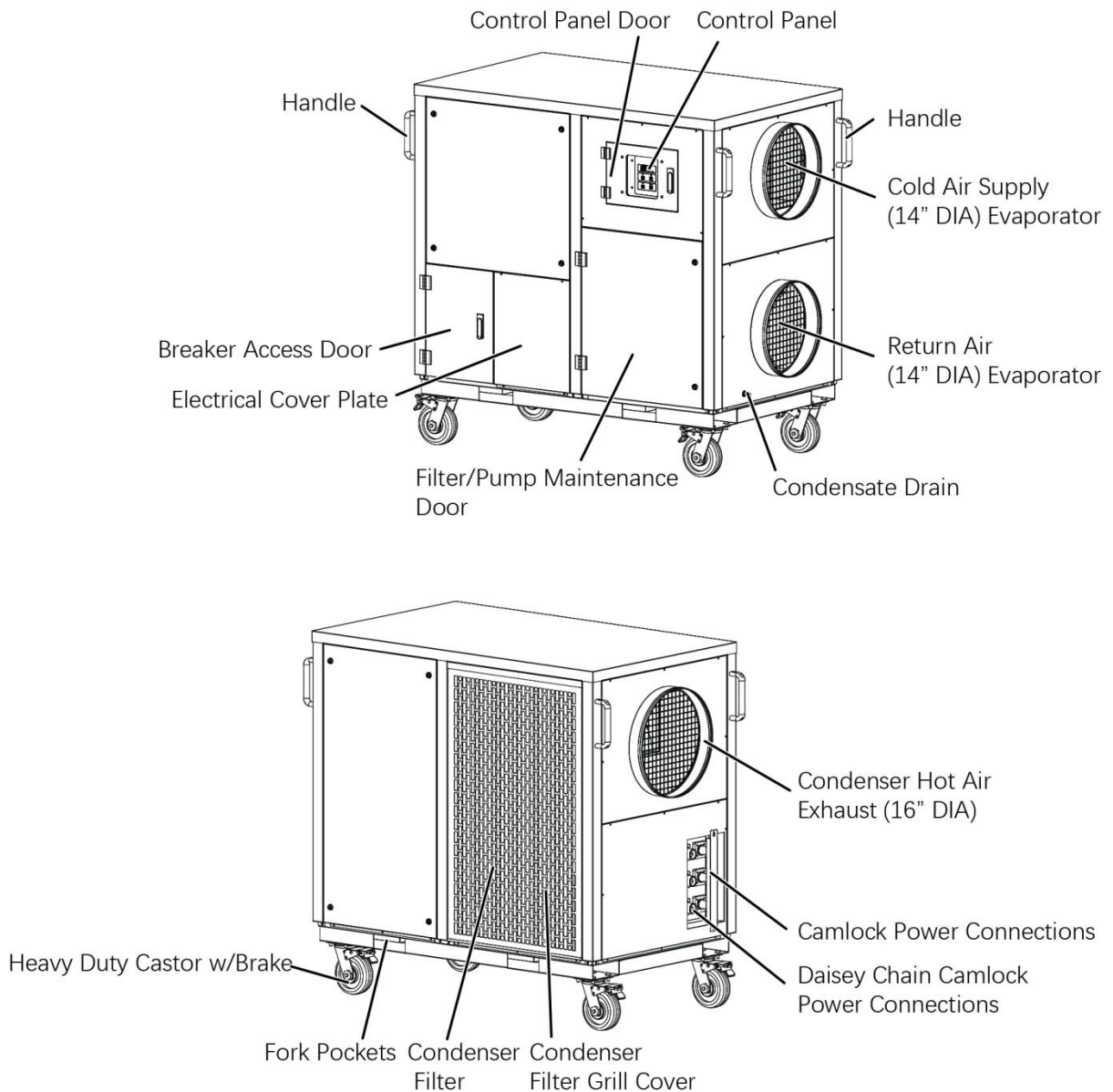


CT-MAC5 I/O Portable Air Conditioner (5ton)

Cooling Capacity	Btu/hr @ 95° / 60% RH	60,000
	Operating Range: Evaporator Min-Max F°	65°-113°
Heating Capacity	Heat Strips/BTU	10Kw/34,120
	Operating Range:	40°-80°
Dimensions	Width (Inches)	32
	Depth (Inches)	57
	Height (Inches)	52.7
	Weight (Pounds)	692
Duct Specifications	Evaporator Supply (1) / Return (1)	14"
	Condenser Exhaust (1)	16"
	Total Max Ducting	100'
Electrical Specifications	Power Supply (Volts)	230V/60Hz
	Current Consumption (Amps)	38.6
	Fuse/Breaker Size (Amps)	60
	CamLoc Connections 4/0	Yes
Fan	2 Speed	
	Evaporator Air Flow (CFM) High/Low	2000/1361
	Condenser Air Flow (CFM)	3535
	Static Pressure High Fan	1.3"Pa
	Static Pressure Low Fan	2.6"Pa
Compressor	Compressor Type	Rotary
	Refrigerant Type	R-32
Condensate Removal	Built in Plug N Play Pump w/17' lift w/Bypass	(Primary)
	Manual gravity drain w/built in P-Trap	(Secondary)
Features	Compressor Overcurrent Protection	Yes
	Thermal Fan Motor Protection	Yes
	Anti-Freeze Coil Sensor	Yes
	Hot Gas Bypass	Yes
	2 Speed Fan	Yes
	Automatic Restart	Yes
	Led Controller Display	Yes
	Fork Pockets	Yes
	4/0 Cam Loc Daisy Chain Connectors	Yes
	Heavy Duty Locking Castors	Yes
	Direct Drive Motors	Yes



Main components



NOTE: Please ensure to thoroughly read this instruction manual before attempting to install, operate, or perform maintenance on this unit. Qualified service technicians are required for both installation and maintenance tasks. The manufacturer assumes no liability for installations or servicing performed by non-qualified personnel.

Please be aware that "Warnings and Cautions" are provided at relevant points throughout this manual. Your personal safety and the correct operation of this unit necessitate careful adherence to these instructions. The manufacturer accepts no liability for installations or servicing carried out by unqualified individuals.

Caution: High voltage electrical components and moving parts pose a risk of bodily injury. To safeguard against inherent dangers during installation and servicing, ensure the electrical supply is disconnected. If inspections are necessary while the unit is operational, technicians must exercise extreme caution and be vigilant in identifying potential hazards.

WARNING: HIGH VOLTAGE – DISCONNECT POWER BEFORE SERVICING

DISCONNECT POWER

Failure to disconnect power before servicing could result in severe personal injury or death.

RE-CONNECT ALL GROUNDS

All components of this product that can conduct electrical current are grounded. If any grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for servicing, they must be reconnected at their original location.

Power Connections

Verify the source power, phase and breaker size is compatible with the unit's Name Plate information, if you are not sure, contact a licensed electrician.

Installation:

Make sure main breaker is in the "Off" position before hooking up power.

This unit is equipped with Camlock Power Connections. These connections are located below the Condenser Exhaust outlet of the unit.

Standard Power Hook-up:

Power Cord Connection (origin): Please connect the power supply directly from a 230V/60Hz power source.

(a) On the unit, Connect the camlock power cable to the units corresponding connection points. Green - Ground, Black/Red - Hot

(b) After the connections are inserted into place, rotate the plug clockwise by 90° to lock the plug into place.



Specifications: Power Cable Length Specification

Power cable length	Specification
Within 25 feet	2AWG (One machine)
Within 65 feet	1AWG (One machine)

Using an excessively long or under gauged power cable can result in voltage drops and a malfunction in the equipment, leading to machine failure.

Note: When connecting multiple machines to one power source, increase the cable size according to the specifications listed in the table above

Daisy Chain Power Hook-up (Optional):

The CT-MAC5 has an optional Daisy Chain power hookup option and Breaker. This is used for operating up to 3 units off of the same power source in sequence. **NOTE: For safety, the units default Daisy Chain breaker should always be in the “Off” position. During normal use without Daisy Chain setup, make sure units Daisy Chain breaker is in the “Off” position. The Daisy chain breaker is only used when more than one unit is set up and connected together. Never remove the metal plate protector covering the connectors unless using a Daisy Chain setup.**

The Amps requirements will increase. Please make sure to calculate the increase in power requirements to operate (2) or (3) units in sequence. Always make sure unit breaker is off on all units before connecting any cables.

- (a) Remove metal safety plate covering the daisy chain connectors.
- (b) Connect Camlock cables to the connectors of the first unit. Run cabling to second unit and connect Camlock cables.
- (c) Once all units are connected by cabling proceed to turn on main power. After Main power is on, continue by switching the first unit's daisy chain breaker to the “ON” position. This will pass power through to the next unit in sequence. To power the unit, switch the unit's breaker to the “ON” position. The green light will illuminate on the control pad signaling power to the unit.
- (d) Use control pad to operate unit. Once unit is operational and cooling for 3 minutes proceed to the second unit.
- (e) For a second and third unit set up, and after all cabling has been installed, locate and switch the daisy chain breaker to the “ON” position. To power the unit, switch the unit's breaker to the “ON” position. The green light will illuminate on the control pad signaling power to the unit.
- (f) Use control pad to operate unit.

Duct Installation

The CT-MAC5 portable air conditioner requires a minimum of 25' of flex duct to operate properly.

Note: Maximum Duct (Total Ducting) length is 100'. Please do not install over 100' of total ducting on the CT-MAC5. Installing more than 100' of ducting can cause the unit to malfunction, evaporator coil to freeze or evaporator motor shut down. The flex is a 14" duct size and is attached to the units' cold air supply and return collars.

Note: the CT-MAC5 must have a minimum of 25' of flex to operate or the units fan motor will malfunction and not operate properly.

Install Cold Air Supply Flex Duct

The CT-MAC5 requires ducting to cool a space. The unit should be outside the space and cold air supply ducting (14") is connected to the (14') supply collar of the unit. Stretch duct out to area needed to be cooled. Keep all 90° bends to a minimum, straight duct runs are preferred for maximum air flow and cooling.

Install Cold Air Return Flex Duct

The CT-MAC5 works most effectively when pulling return air back to the unit from the area of highest heat load or area to be cooled. Attach (14") duct to the (14") return collar on the unit. The return collar is located below the supply collar at the end of the unit.

Important Notice: To prevent the return air duct from collapsing during operation, ensure that all slack is removed from the duct and securely anchor it to a stable object. Duct collapse is a leading cause of evaporator coil freeze, reduced performance, shut down and malfunction. Furthermore, do not place a second filter box on the return as it may cause limited air flow and coil freezing.

The sizing of our units is based on aligning the capacity with a specific heat load while maintaining a temperature of 72°F. For this reason, we advise against setting the temperature lower than 72°F to prevent evaporator coil freezing in low temperature/low heat load applications. Setting the units thermostat to 72° will allow the unit to cycle the compressor off and prevent icing and evaporator coil freezing.

Install Hot Air Discharge Flex Duct

For applications that require the condenser discharge air to be ducted away from the unit, a 16" duct can be connected to the condenser hot air discharge flange. For outside applications it is not necessary to attach ducting to the condenser hot air discharge. If the CT-MAC5 is used in an inside confined space and the condenser hot air discharge is ducted outside of the space, make sure the unit has adequate make-up air for the condenser to operate properly.

Condensate Drain

The CT-MAC has (2) options for removing condensate from the unit. The unit is equipped with an automatic high lift condensate pump (Default) or optional manual free drain. The unit can be switched over from pump to manual by accessing the drain valve through the filter/pump access door.

Condensate Drain Connection (Pump Drain)

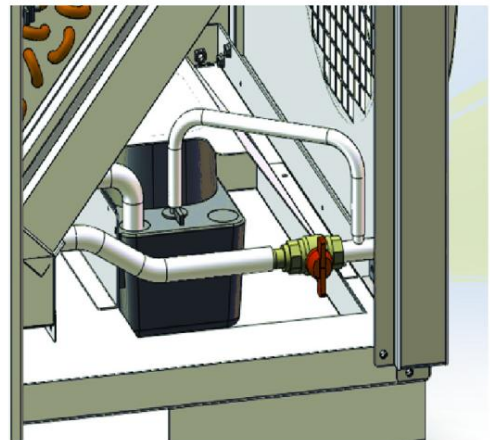
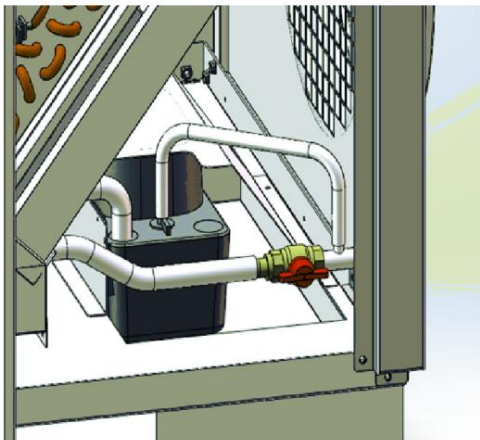
The CT-MAC5 is equipped with a 20' vertical high lift condensate pump (default). The pump allows condensate to be automatically pumped out of the unit to a desired location.

- (a) Attach 3/8" ID drain hose to the unit's condensate barb.
- (b) Open the Filter/Pump Access door and rotate the drain valve handle to the vertical position.
- (c)** Close and lock the Filter/Pump access door.

Condensate Drain Connection (Manual Drain)

The CT-MAC5 has a manual drain option (secondary). The manual drain will bypass the pump and gravity drain the condensate directly out of the unit. The unit is equipped with a built-in "P" Trap. No outside or physical "P" Trap needed.

- (a) For manual drainage, attach a 3/8" ID condensate hose to the unit's condensate barb. Do not exceed a hose height above the unit's condensate barb connection point. The unit will not drain properly.
- (b) Open the Filter/Pump access door and rotate the red drain valve handle to the horizontal position.
- (c) Close and lock the Filter/Pump access door.



Condensate Pump Troubleshooting:

ClimaTemp condensate pumps are able to pump 20' vertical and are equipped with a pump safety cut off switch. The cutoff switch prevents the accidental water overflow by shutting the unit down while displaying a "FL" code on the display. Simultaneously, an audible alarm will notify the user of a pump issue.

Unit displays 'FL' code at startup:

In some cases, If the unit has been disconnected from power, or loses power, the excess water in the evaporator pan may overflow the pump as it drains. This will cause the pump reservoir to completely fill and trip the safety switch and shut the unit down. To troubleshoot, remove or siphon the water out of the pump reservoir and reset the unit by switching the breaker from "Off" to "On"

Unit displays "FL" code during operation:

The most common issue for this alarm is restricted water flow. Check to make sure condensate line is not kinked, blocked or clogged. Verify condensate does not exceed a total 20' vertical. Clean pump out of any debris or sludge as necessary. Once the issue is resolved, reset the unit by switching the main breaker from "Off" to the "On" position.

Quick Pump Change out and Replacement:

If there is a malfunction of the ClimaTemp pump and needs to be replaced or removed, the pump can be quickly and easily changed out and replaced. Unplug the defective pump by the connector plug from the units wiring harness. Reconnect new pump by plugging it in to the units wiring harness. The ClimaTemp Plug and Play connector on the pump wiring makes it easy to quickly replace the pump with only ClimaTemp CT-MAC5 (208V) pumps. No hard wiring needed.

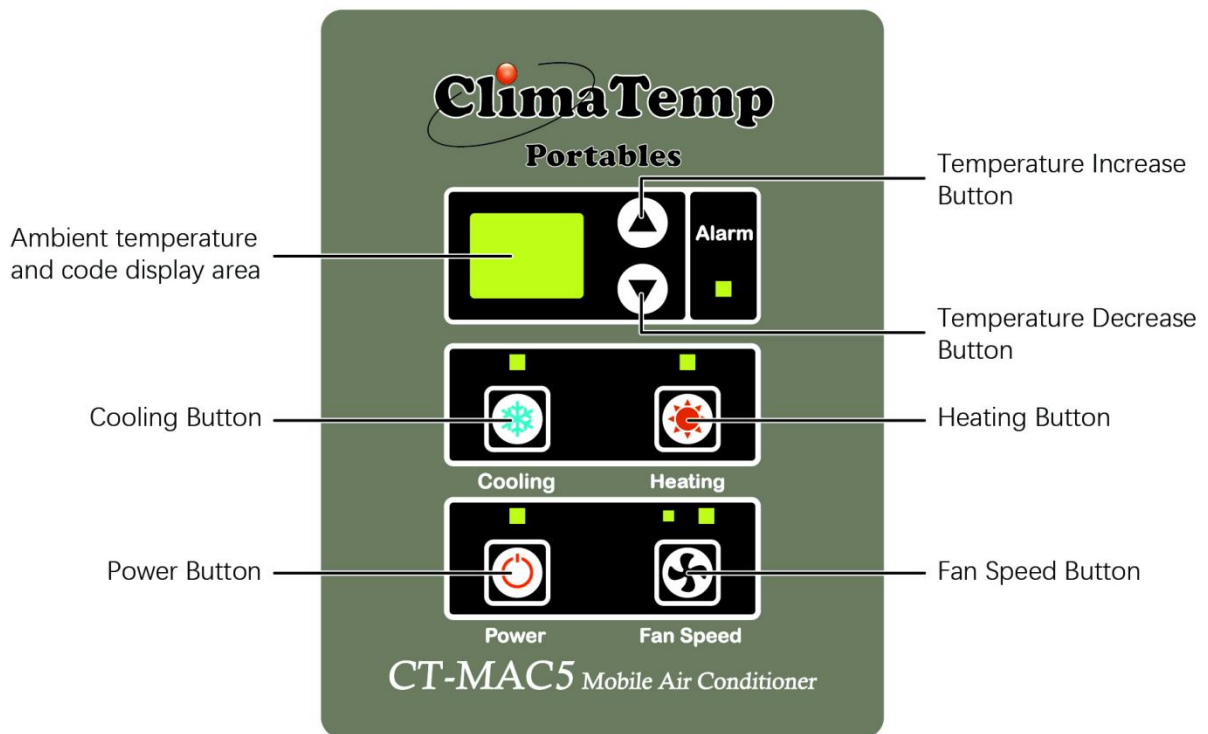
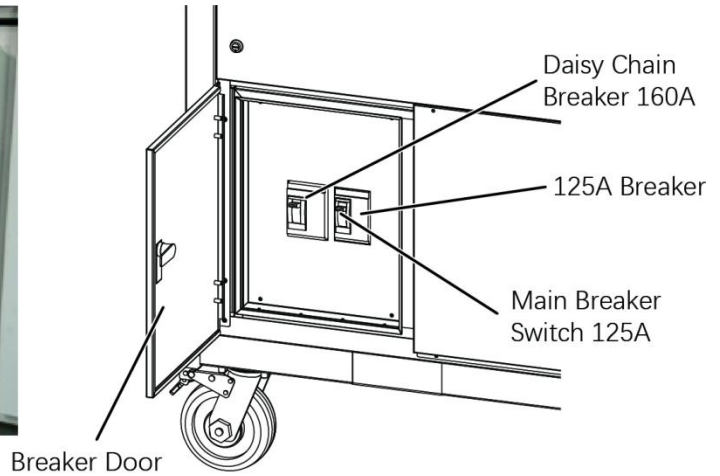
INITIAL STARTUP OPERATION

Pre-use inspection

Ensure that the power supply meets the machine's requirements.

Power on

- (a) Open the circuit breaker door.
- (b) Switch the circuit breaker switch to the "ON" position.
- (c) Keep the breaker door closed when power is applied.



Operating The Controller

Control Panel

Before operating the unit, it is important to familiarize yourself with the basic controls located on the Control panel.

Power Switch

Once power is connected and breaker in the "ON" position, the power switch LED indicator will illuminate, press the POWER button to turn on and turn off the unit.

Air Volume Selection

Press Fan Speed to select the high or low air volume.

To change Fahrenheit and Celsius Temperature setting on display

Procedure: Switch unit breaker to the "Off" position. Press and hold the Fan Speed button while switching the unit breaker back to the "On" position. Once the digital display shows CF, release the Fan Speed button.

If the current setting is in Celsius, the indicator will display C. If the current setting is in Fahrenheit, the indicator will display F. Press the temperature button to change to C or press the timer button to change to F. Store the settings by pressing the Fan Speed button.

COOL Mode Operation

Follow these steps to operate Cooling mode.

- (a) After power is connected to the unit and the unit's breaker is energized, the power button will be luminated. Press the power button on the touchpad., then press the cooling button.
- (b) Select desired temperature between (65°F-95°F). Once selected wait 15 seconds for the temperature to set. As default the display will show the temperature of the environment (ambient).
- (c) When the environment temperature is higher than the setting temperature, the compressor will engage, producing cold air. When the environment temperature is lower than the setting temperature, the compressor will disengage and shut off.
- (d) The unit can be changed from heating to cooling during operation. If the unit is in heating mode, press the cooling button to engage cooling mode. Then press the "down" arrow adjustment button next to the LED to 65°. The unit's condenser and compressor will cycle off and Cool mode will start. Please allow up to 5 minutes for Cool mode to engage fully.

HEAT Mode Operation (Electric Heat)

If the CT-MAC5 is a cooling/heating model it will include optional electric heat.

Follow these steps to operate Heat mode.

- (a) After power is connected to the unit and the unit's breaker is energized, press the Heat button on the touchpad. This will allow the unit to start up in Heat mode.
- (b) Once the Heat mode is operational, press the "UP" arrow adjustment button next to the LED display. Set temperature to display 80°. Set point in heat mode is (55°F-80°F). Please allow up to 5 minutes for Heat mode start up.
- (c) The unit can be changed from cooling to heating during operation. If unit is in cooling mode, press the Heat button to engage heating mode. Then press the "UP" arrow adjustment button next to the LED to 80°. The unit's condenser and compressor will cycle off and Heat mode will start. Please allow up to 5 minutes for Heat mode to engage fully.
- (d) To shut down the unit press the Power button on the LED touchpad. The fan will run for an additional 5 minutes to cool the heat strip before shutting down completely.

The operating range is (40°F ~80°F). When the environment temperature is lower than the setting temperature, the electric heat will engage, producing warm air. When the environment temperature is higher than the setting temperature, the electric heat will disengage and shut off.

Note: The power must be able to handle the amperage increase for the Heat model.

Fan Only Mode

To operate in fan mode, press the temperature UP button to its highest setting (95). This will operate the unit in fan mode only. Note: Fan mode will only work for temperatures under 95° ambient.

Alarm Indicator/unit error

When the unit encounters an issue like a pump malfunction, overcurrent, overheat, or other trouble is detected by the unit, the alarm indicator will turn on. When the unit stops working, the LED display will show the error code along with an audible alarm.

Fault or Code Description and Fault Solution

Fault Display and Code Description				
Item no.	Code	Code Description	Fault Cause	Solution
1	E1	The indoor environment temperature sensor is faulty	The sensor is short circuit or disconnected	Replace
2	E2	The defrosting temperature sensor is faulty	The sensor is short circuit or disconnected	Replace
3	P	High pressure protection during cooling	1.The environment temperature is too high 2.Exhaust hot air is blocked 3. The condenser is dirty and blocked	1.Use within specified temperature range 2. Find out the cause of hot air obstruction and remove it 3.Clean the filter
4	CO	Low pressure protection during cooling	1.The environment temperature is too low 2.Refrigerant Leak	1.Use within specified temperature range 2. Find a qualified HVAC contractor for repair
5	FL	Full water alarm	1.The condensate line is blocked 2. Water is full inside the water pump 3.Water pump is faulty	1. Remove any blockages /kinks in line 2. Empty the water inside the water pump 3.Replace
6	PC	High temperature protection during heating	1.The environment temperature is too high 2. Return air to unit is limited or restricted 3. The thermal protector is faulty	1. Use within specified temperature range 2. Check filter, return or return duct for blockages 3. Find qualified HVAC contractor for replace 4. Replace
7	dB	Defrost Mode	When code appears the unit is in defrost mode. This is normal operation. See Anti-Freeze/Defrost Mode section under unit safety devices.	

Unit Safety Devices and Features

Automatic restart:

The Unit is equipped with an automatic restart. In the event of a power loss, the CT-MAC5 will resume once power is restored.

Air temperature operating requirements

The CT-MAC5 operating range is between 65°-113°. Do not operate in temperatures outside of this range. Unit will automatically cycle the compressor off if return temperature has reached the setpoint. Once temperature exceeds return temperature setpoint, the unit's compressor will automatically restart.

2 Speed Fan

The CT-MAC is equipped with a 2-speed fan.
CFM for high fan speed is 2000CFM @ 1.3" w.c.
CFM for low fan speed is 1361CFM @ 2.6" w.c.

Time Delay

The compressor time delay protects the compressor and functions to delay the compressor until the unit's pressures equalize. The time delay functions when the unit cycles off or is restarted. Average delay time is 2-3 minutes.

Compressor Overload Protection

Compressor overload protection works by monitoring the electrical current drawn by the compressor motor. The compressor will shut down once the system detects an abnormal current draw.

Evaporator and Condenser Thermal Overload Fan Motor Protection

Thermal Overload protection for the fan motor works if the motor overheats due to excessive current draw or other issues, the temperature rise triggers the thermal switch to open the circuit, cutting off power to the motor. Once the motor cools down, the switch resets, allowing the motor to operate as normal.

High Pressure Switch

The system is equipped with an automatic high-Pressure switch. The high-pressure switch is designed to safeguard the compressor circuit from abnormally high refrigerant pressures by shutting down the unit. Conditions like reduced air flow across the condenser or make-up air above the operating range can trigger high pressure in the system. Once the high-pressure switch is triggered, the unit will shut down and sound an audible alert while displaying a "P" code on the unit's display. The high-pressure switch will automatically reset once normal pressure is sensed in the systems.

Low Pressure Switch

The system is equipped with an automatic low-pressure switch. The low-pressure switch is intended to protect the compressor circuit from excessively low refrigerant pressures. When the system encounters low pressure, it will shut down and trigger an audible sound and display the "CO" code on the unit's display. Once the unit senses normal pressures, the low-pressure switch will automatically reset.

Hot Gas Bypass Valve

The system is equipped with a Hot Gas Bypass Valve. The hot gas bypass diverts some of the compressor's high-pressure, high-temperature refrigerant gas directly to the evaporator coil, bypassing the condenser. This creates a false load on the evaporator, increasing its temperature and preventing it from freezing in low load conditions or when the suction pressure is too low.

Anti-Freeze Sensor/Defrost Mode

The unit is equipped with an anti-freeze sensor as a safety feature to monitor the evaporator coil temperature. When the coil temperature drops to 32°F, the unit automatically enters "Defrost Mode." During this mode, the display will show the code "dB," and the compressor will shut down. The fan will continue to operate for 5 minutes to help defrost the coil. Once the coil temperature rises to a safe level, normal operation will resume.

Built in Safety switch for condensate pumps

Refer to Condensate Section above.

Built in P-Trap for manual drainage

Refer to Condensate Section above.

Fork Pockets

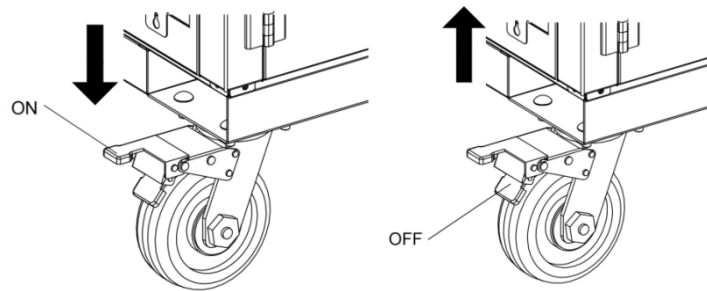
The CT-MAC5 has 4 fork pockets. The fork pockets can be used to raise and maneuver the unit into placement with a forklift.

HD locking castors

The unit is equipped with Heavy-Duty locking castors.

Heavy Duty Locking Casters

For safety, please press the universal wheel locking device brake "ON" to lock the universal wheel after positioning the unit. To move the unit, press the universal wheel brake "OFF" to loosen the universal wheel locking device.



Servicing of Refrigerant.

Refrigerant Servicing valves (Schrader Valves) can be accessed through the Filter/Pump Maintenance Door. Service should only be performed by a licensed and qualified HVAC technician.

Please Note:

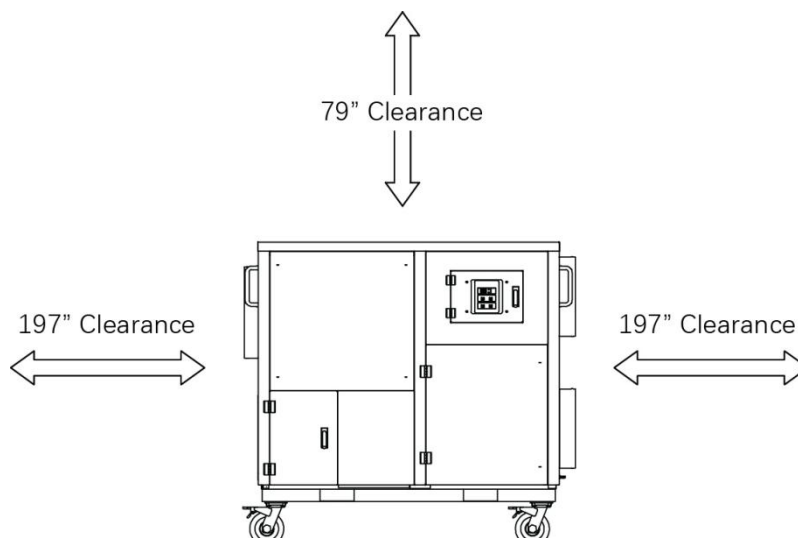
Check Nameplate Label for type of refrigerant type (410A or R32) and amount required for charge. Only R32 certified and qualified HVAC technicians shall perform servicing on units displaying R32 refrigerants on the Nameplate Label.

Unit Site Requirements

Place unit on a level surface to facilitate proper condensate water drainage, and verify that the surface can adequately support the unit's weight. Place the unit as close to the heat-generating equipment as feasible, ensuring that the return air duct aligns with the area experiencing the highest heat load.

Avoid obstructing the unit's return air duct to prevent

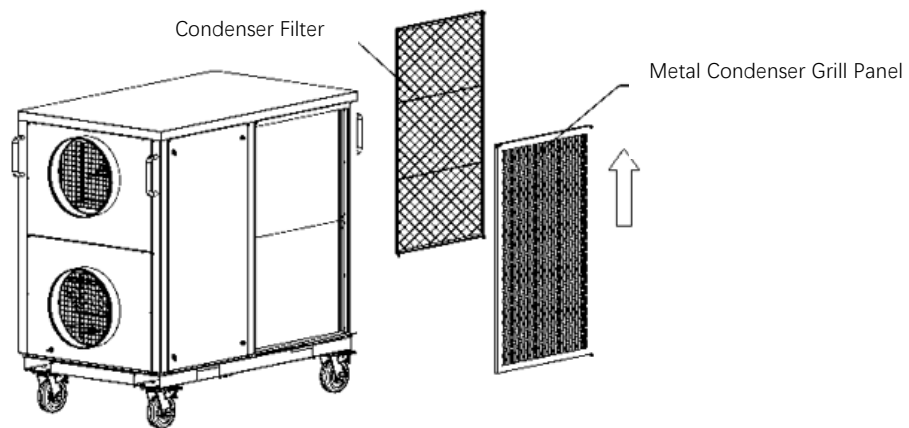
diminished performance, compressor shut down or potential evaporator coil freezing.



Routine Maintenance and Inspection

Filters

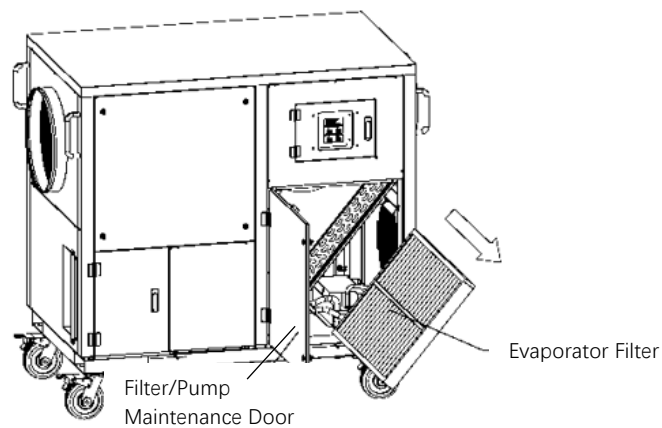
- Please clean the condenser filter regularly and replace the evaporator air filter regularly. If dust, dirt, etc. accumulates on the filter, it will affect the air intake, reduce the cooling effect, and cause the machine to malfunction.
 - When cleaning the surface of the machine, please do not use thinner, volatile oil and other chemicals, as it will affect the quality of the machine's appearance.
 - Please be sure to turn off the power supply during maintenance and inspection.
 - Please check the machine parts, screws, etc. Please tighten any loose screws or bolts as needed.
 - Do not keep the machine in a location where it is exposed to extremely high temperatures, above its operating range.
 - Do not stand on or store the machine horizontally, upside down or stack.
 - When storing the machine, make sure to disconnect the power supply.
-
- Cleaning of condenser exhaust filter.
 - (a) Lift the metal condenser grill upward to clear it out of the way.
 - (b) After lifting, pull the metal condenser grill towards you and out.
 - (c) Slide filter out of metal condenser grill
 - (d) Clean the filter with a vacuum or rinse it with clean water, and allow it to dry.
 - (e) Reinstall the metal condenser grill back into place.



Filters

- Replacing the Evaporator cold air filter.

- Open the filter maintenance door.;
- Remove the evaporator air filter.;
- Insert the new evaporator air filter into the filter slot.;
- Close and lock the filter maintenance door.
- Filter sizes (1) 30" x 20" x 2" or (2) 15" x 20" x 2"



Filter Sizes:

- (1 Qty) 30" x 20" x 2" Filter
- (2 Qty) 15" x 20" x 2" Filter

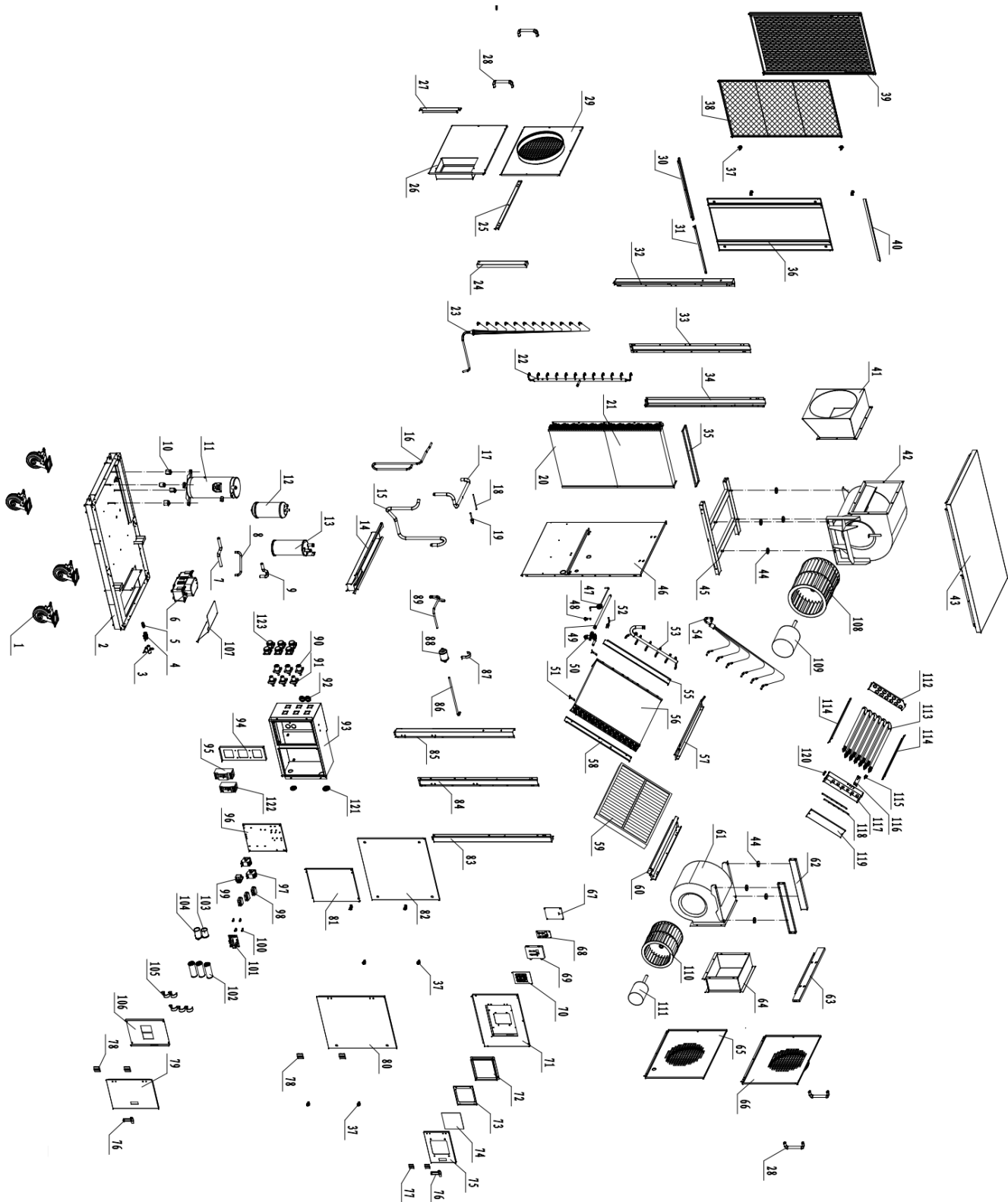
Motor And Drive Components

-Blowers and motor bearings come pre-lubricated and sealed, eliminating the need for maintenance.

Troubleshooting Guide.

Check the following items before calling your ClimaTemp Portable air conditioner reseller or a qualified technician.

CONDITION	POSSIBLE CAUSE	POSSIBLE SOLUTION
Unit Does Not Operate	1. Ground fault breaker trip or breaker trip from power source.	1. Check main power.
	2. No Power to control board.	2. Check power source. Reset main breaker on unit.
Water Leaking	1. Drain pan port plugged.	1. Clear drain pan outlet.
	2. Drain line Misaligned or not seated into pump.	2. Place and secure the drain line back into condensate pump.
	3. Condensate line plugged or clogged.	3. Check drain line for clogs or kinks. Replace if necessary.
	4. Unit not level.	4. Reposition or move unit to a level surface.
No Cooling	1. The surface of the condenser coil is dirty.	1. Clean (vacuum) the surface of the condenser. Do not use water or coil cleaner.
	2. Exhaust fan malfunction.	2. Repair, replacement of exhaust fan motor.
	3. Temperature of the external environment is too high.	3. Use the unit only if surrounding temperature is between 64°F and 113°F.
	4. The capacitor of the compressor is damaged.	4. Replace the capacitor.
	5. Input voltage is too high or too low.	5. Make sure voltage is correct. Check nameplate label for power requirements.
	6. Compressor thermal overload protection.	6. Restart the unit after it has cooled down.
	7. Compressor motor is damaged.	7. Repair, replace Compressor motor if needed.
	8. Check return ducting for low or restricted air flow.	8. Replace duct, reposition or reduce duct length to maintain maximum airflow.
Evaporator Coil Freezing	9. Low or restricted air flow, Dirty evaporator filter, Low set point, Exceed maximum duct length.	9. Check return ducting for restrictions, do not exceed 100' total duct, replace evaporator filter, increase temperature set point to 72°.



Parts List

PARTS NO.	DESCREPTION	QTY	PARTS NO.	DESCREPTION	QTY
1	Swivel wheel	4	33	Right middle pillar	1
2	Chassis assembly	1	34	Front right pillar	1
3	Drainage joint assembly	1	35	Condenser top baffle	1
4	Disc handle ball valve	1	36	Right-side plate	1
5	Water pipe joint	1	37	Retractable lock	10
6	Condensate drain pump	1	38	Condensation filter	1
7	Drain pipe 1	1	39	Condensing air inlet plate	1
8	Drain pipe 2	1	40	Filter top bar	1
9	Drain pipe 3	1	41	Exhaust heat guide frame	1
10	Compressor shock pad	3	42	Condenser Fan Housing	1
11	Compressor	1	43	Top cap	1
12	Reservoir	1	44	Rubber washer	8
13	Gas-liquid separator	1	45	Fan holder assembly	1
14	Drain Pan assembly	1	46	Middle partition plate assembly	1
15	Return pipe	1	47	Expansion valve balancing tube	1
16	Exhaust pipe	1	48	Filling joint	1
17	Evaporator return pipe	1	49	Expansion valve outlet pipe	1
18	Filling pipe	1	50	Thermal expansion valve	1
19	High voltage switch	1	51	Evaporator fixing plate	2
20	Lower condenser	1	52	Low-voltage switch	1
21	Upper condenser	1	53	Evaporator return pipe assembly	1
22	Condenser inlet pipe assembly	1	54	Evaporator inlet distribution pipe assembly	1
23	Condenser outlet distribution pipe assembly	1	55	Evaporator right baffle	1
24	Exhaust fan support	1	56	Evaporator	1
25	Panel fixing strip	1	57	Evaporator top baffle	1
26	Connector panel assembly	1	58	Evaporator left baffle	1
27	Power protection board	1	59	Cold air filter	1
28	Handle	4	60	Upper guide plate assembly of filter screen	1
29	Condensing outlet air plate	1	61	Evaporator Fan Housing	1
30	Filter lower bar	1	62	Evaporator Fan hanging plate	2
31	Side panel rail	1	63	Fan support plate	1
32	Right rear pillar	1	64	Cold air guide frame assembly	1

PARTS NO.	DESCREPTION	QTY	PARTS NO.	DESCREPTION	QTY
65	Cold air inlet panel		98	Fan relay	1
66	Cold air outlet panel		99	Starting relay	1
67	Electric control box cover plate	1	100	PC board mounting bracket	1
68	Electronic control display board	1	101	Electronic control main board	1
69	Electric control box	1	102	Compressor capacitor	1
70	Control sticker	1	103	Evaporator fan capacitor	3
71	Control panel assembly	1	104	Condenser fan capacitor	1
72	Waterproof frame	1	105	Capacitor clamp	4
73	Glass pressure plate	1	106	Circuit breaker panel	1
74	Protective glass	1	107	Water pump dust cover	3
75	Control protective door	1	108	Condenser Blower Wheel	1
76	Electric cabinet door lock	1	109	Condenser Fan Motor	1
77	Small hinge	1	110	Evaporator Blower Wheel	5
78	Hinge	2	111	Evaporator Fan Motor	1
79	Electric control box door 1	2	112	Electric heat pipe support plate	1
80	Filter maintenance screen	4	113	Electric heating tube	1
81	Electric control box door 2	1	114	Electric heating support strip	1
82	Left side plate	1	115	Temperature switch	1
83	Front left pillar	1	116	Temperature switch bracket	1
84	Left middle pillar	1	117	Electric heating pedal	1
85	Rear left pillar	1	118	Plate	1
86	Expansion valve inlet pipe	1	119	Electric heating cover plate	1
87	Filter clamp	1	120	Wire protection ring $\phi 30$	1
88	Dry filter	1	121	Wire protection ring (intima) $\phi 40$	1
89	Filter inlet pipe	1	122	Output circuit breaker	1
90	Single core plug socket (male)	1	123	Connector dust cover	6
91	Single core plug socket (female)	1	124	Bypass valve clamp	1
92	Wire protection ring	1	125	Bypass valve	1
93	Electronic control box assembly	1	126	Bypass valve inlet pipe	1
94	Circuit breaker bracket	1	127	Ball valve	1
95	Circuit breaker	1	128	Ball valve bracket	1
96	Electrical installation board	1	129	Bypass valve outlet pipe	1
97	Contactor	7	130	Ball valve inlet pipe	1