

Quest Power Air Mover C1000

Installation, Operation and Maintenance Instructions

– Read and Save These Instructions –

This manual is provided to acquaint you with the Quest Power Air Mover C1000 air mover so that installation, operation and maintenance can proceed successfully. Ultimate satisfaction depends on the quality of installation and a thorough understanding of this equipment. The Quest Power Air Mover C1000 is built around tested engineering principles and has passed a thorough inspection for quality of workmanship and function.



Quest Power Air Mover C1000:

- 2-Speed 1/3 Horsepower Motor
 - 2.8 Amps on High Speed
 - 2.4 Amps on Low Speed
- Maximum Velocities over 1000 CFM (2700 FPM)
- Balanced Exhaust Airflow
- Directional Airflow
 - Horizontal, 45° Angle, 90° Angle
- Durable, rugged, chemical resistant housing, fan wheel, and controls design.
- Operator interface conveniently located for easy access, featuring: power indicator lamp and large three-position switch.
- Quest exclusive Pilot Light and Sealed Switch are recessed to prevent damage.
- Ergonomic carry handle and power cord storage.
- Non-marking, anti-skid, rubber feet.



Therma-Stor[®] LLC

Driven by performance. Powered by design.™

4201 Lien Rd
Madison, WI 53704
www.QuestProtect.com

Phone 608-237-8400
Toll-Free 1-866-933-7486
sales@QuestProtect.com

Table of Contents

Introduction 1

Power Air Mover C1000 Features and Benefits..... 1

1. Safety Information 3

2. Intended Applications 5

3. Safety Certifications 5

4. Specifications..... 5

5. Operating Instructions 6

 5.1 Power Indication Lamp 6

 5.2 3-Position Drying Selector Switch 6

6. Maintenance..... 6

 6.1 Servicing..... 6

 6.2 Cleaning 6

7. Wiring Diagram 7

8. Replacement Parts and Optional Accessories 7

 Warranty..... 8

Serial No. _____

Purchase Date _____

Dealer's Name _____



1. Safety Information

When using any rotational electrical device basic precautions should always be followed, including the following:

CAUTION

CAUTION! For general ventilating use only. Do not use in environments containing hazardous or explosive materials and vapors.

- Do not operate the unit without the safety guards properly installed and secured. Do not operate the unit if the guards become damaged. Contact Therma-Stor for replacement parts.
- Always replace the guards as originally installed after servicing or cleaning the product.
- Never place your face, hands, or other susceptible body parts in the air stream, inlets, or outlet of this device.
- This fan is not a toy! Ensure children do not play with and do not have access to the equipment. Do not allow children to play with or stand near the unit or in its air flow.
- Do not use this fan with any solid-state speed control device.
- Do not operate unit with a cut or frayed power cord. Replace cord if it becomes damaged.
- Handle with care. Do not drop or throw the unit. The unit can be damaged under harsh treatment.
- Do not unplug the unit by pulling on the cord. Grasp the plug firmly and pull it out of the wall socket or power receptacle.
- Always use a grounded outlet.
- Never operate electrical equipment in standing water.
- Never operate with the safety grills removed. Personal injury may result.
- Do not stick your fingers or other objects through the safety grills.
- Do not restrict airflow to the unit. This may cause the unit to overheat.
- Unit should never be serviced or cleaned while it is plugged in.
- Make sure the unit is secure, stable and safe from falling over or falling down before operating.
- Do not sit or stand on the unit or use as a step.
- Do not leave device plugged in when not in use.
- Indoor use only. Do not expose to water or rain (store indoors.)
- Use only as described in this manual.
- Use only Manufacturer's recommended attachments. Contact Therma-Stor for proper repair instructions.
- Do not pull or carry it by the power cord, use cord as a handle, close doors on cord or pull cord around sharp edges.



- Do not run or drive over cord.
- Keep cord away from heated surfaces.
- Do not handle power cord plug with wet hands.
- Turn off all controls before unplugging.
- Do not use when you are tired, distracted or under the influence of drugs, alcohol or medication.

LIRE ET CONSERVER CES INSTRUCTIONS

- Risque de choc électrique Peut causer des blessures ou la mort. Débrancher toutes les alimentations en courant électrique à distance avant l'entretien ou le nettoyage.
- Ne pas utiliser l'appareil avec un cordon d'alimentation coupé ou effiloché.
- Ne pas débrancher l'appareil en tirant sur le cordon. Tenir la fiche fermement et la tirer hors de la prise murale ou la prise d'alimentation électrique.
- Toujours utiliser une prise mise à la terre.
- Ne jamais utiliser l'équipement électrique dans de l'eau stagnante.
- Ne jamais utiliser sans les grilles de protection. Des blessures risquent d'en résulter.
- Ne pas brancher plus de 8 ampères au total au différentiel.
- Vérifier la protection du différentiel avant chaque utilisation en appuyant sur le bouton " test ". Si l'appareil fonctionne correctement, le bouton " reset " ressort.
- Ne pas passer les doigts ou d'autres objets dans les grilles de protection.
- Ne pas diminuer le débit d'air arrivant jusqu'à l'appareil. L'appareil risque de trop chauffer.
- Ne pas s'asseoir ou se tenir debout sur l'appareil; ne pas l'utiliser comme étagère ou table.
- Avant de laisser un appareil aéraulique axial sans surveillance, s'assurer que les enfants n'ont pas accès à l'équipement. Ne pas laisser les enfants jouer avec l'appareil ou à proximité de l'appareil ou dans l'air qu'il projette.
- Pour réduire le risque d'incendie ou de choc électrique, ne pas utiliser ce ventilateur avec un dispositif de commande de vitesse à semi-conducteurs.



2. Intended Application

The Quest Air AMS C10 is intended for use by carpet cleaning, construction, and janitorial/sanitation professionals in general ventilating and structural surface drying applications. The Quest Power Air Mover C1000 as packaged is ready to be put into service. Inspect the unit completely for any shipping damage. Place the unit on the ground. Plug the unit into a grounded outlet and select the drying mode.

CAUTION

CAUTION: The Quest Power Air Mover C1000 consumes 2.8 Amps on high speed. Do not plug devices requiring more than 9.3 Amps of current into the duplex outlet.

3. Safety Certifications

The Quest Power Air Mover C1000 (P/N 4028149) conforms to UL STD 507. Certified to CAN/CSA STD C22.2 No. 113.

4. Specifications

- Part No. 4028149
- Power 115 VAC, 60 hz.
- Operating Positions 3 – 0°, 45°, 90°
- Drive Motor 1 /3 Horsepower, 2-Speed
- Motor Thermal cut-off
- Protection
- Cord Length 25 Feet
- Airflow 1000 CFM, 2700 ft/min outlet velocity
- Current Draw 2.8 Amps High speed, 2.4 Amps Low speed
- Warranty One Year - 100% parts and labor (all components)
Three Years - Only materials and workmanship of the housing are covered.

Dimensions	Machine	Shipping
Width	17"	17.3"
Height	20"	20"
Depth	19.4"	20"
Weight	26.5 lb	28 lb



5. Operating Instructions

5.1 Power Indication Lamp

The red, sealed, high intensity AC voltage power indication lamp allows operators to visually identify the operation status of several Quest Power Air Mover C1000 air movers at a distance, with a single glance. The power indication lamp will remain lit when the AC power cord is plugged into a standard “powered” AC power outlet and the 3-Position drying selector switch is in either the HIGH or LOW operation position. The power indication lamp will remain unlit when the AC power cord is unplugged, the 3-Position drying selector switch in the OFF position, or the connected, standard AC wall outlet power has been turned off.

5.2 3-Position Drying Selector Switch

The Quest Power Air Mover C1000 features a three-position switch - LOW–OFF–HIGH.

1. Inspect the machine for damage and airflow obstructions prior to plugging it in or operating it.
2. Ensure the power switch is in the OFF (middle) position.
3. Place the machine into the desired position for operation. Ensure that the machine rests stable and secure and will not overturn.
4. Turn the unit on to the desired speed, high or low.

6. Maintenance

WARNING

WARNING: Disconnect the unit from power before servicing or cleaning. Replace the safety grill after servicing, lubrication or cleaning.

6.1 Servicing

Before each use, inspect for damage, blocked inlet or outlet, or any excess buildup of foreign material.

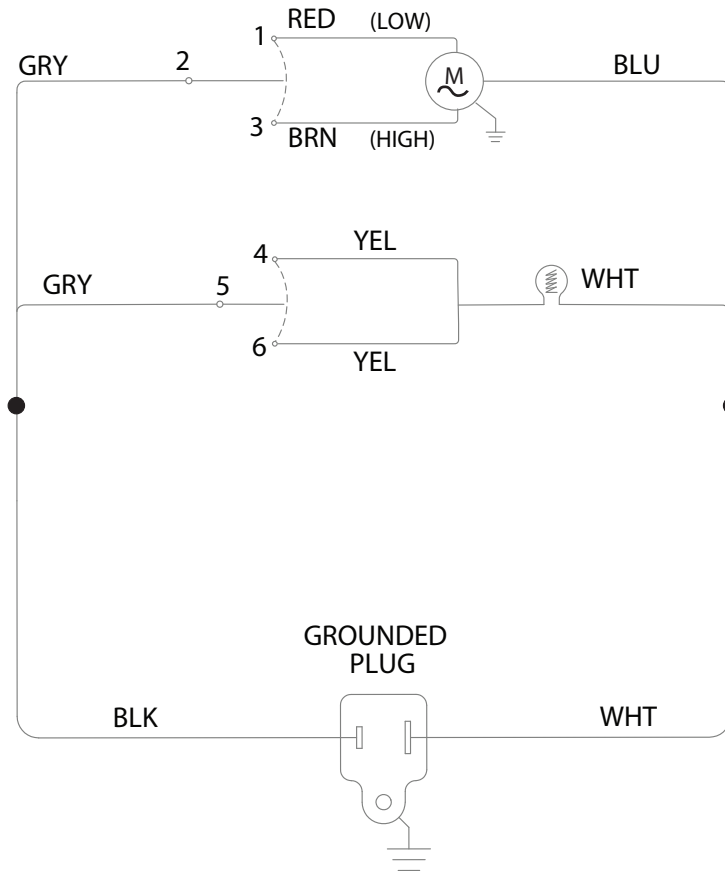
When the Quest Power Air Mover C1000 is first turned on, check for excessive vibration. If the unit vibrates excessively or if blower wheel rubs on housing, turn off the unit immediately. Have a service technician inspect the unit to locate the problem.

6.2 Cleaning

The housing is made of a durable and washable polyethylene. When cleaning, the use of solvents is NOT recommended.



7. Wiring Diagram



8. Replacement Parts and Optional Accessories

- 4030989 motor, 60 HZ
- 4027572 blower wheel
- 4027514 capacitor
- 4029721 on/off switch
- 4025458 red pilot light
- 4029742 cord
- 4027517 inlet grill, motor side
- 4027519 inlet grill, wheel side

Contact the factory at 1-800-533-7533 to order replacement parts, or optional accessories.



Quest Power Air Mover C1000 Limited Warranty

Warrantor:

Therma-Stor LLC
4201 Lien Rd
Madison, WI 53704
Telephone: 1-866-933-7486

Warranty: This warranty covers Quest Power Air Mover C1000, Part Number 4028149

One Year Warranty: - 100% parts and labor (all components)

Three Year Warranty: - Materails and workmanship of the housing only are covered.

If a defect in materials or workmanship occurs within the warranty period, Therma-Stor LLC will repair or replace the defect.

End-User Responsibilities: Warranty service must be performed by a servicer authorized by Therma-Stor LLC. To obtain warranty service you must obtain a return material authorization (RMA). To obtain an RMA you must present proof of purchase or (lease), by use of a warranty card, original sales receipt or other reasonable and reliable means. To obtain an RMA call Therma-Stor LLC at the above number and ask for the Therma-Stor LLC Service Department, which will then issue an RMA# and arrange for, at our option, either repair or replacement.

Freight: Freight to and from the servicer is the responsibility of the end-user. The end-user is responsible for normal care and proper return packaging.

Limitations and Exclusions: This warranty does not cover any defect, malfunction, etc. resulting from misuse, abuse, lack of normal care, corrosion, freezing, tampering, modification, unauthorized or improper repair or installation, accident, acts of nature or any other cause beyond Therma-Stor LLC's reasonable control.

If any Quest Power Air Mover C1000 part is repaired or replaced, the new part shall be warranted for the balance of original warranty (but all warranty periods will be extended by the period of time, if any, that the Quest Power Air Mover C1000 is out of service while awaiting covered warranty service).

Warranty service will be performed during normal working hours.

UPON THE EXPIRATION OF THE WRITTEN WARRANTY APPLICABLE TO THE Quest Power Air Mover C1000 OR ANY PART THEREOF, ALL OTHER WARRANTIES IMPLIED BY LAW, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL ALSO EXPIRE. ALL WARRANTIES MADE BY THERMA-STOR LLC ARE SET FORTH HEREIN, AND NO CLAIM MAY BE MADE AGAINST THERMA-STOR BASED ON ANY ORAL WARRANTY. IN NO EVENT SHALL THERMA-STOR LLC, IN CONNECTION WITH THE SALE, INSTALLATION, USE, REPAIR OR REPLACEMENT OF ANY Quest Power Air Mover C1000 OR PART THEREOF BE LIABLE UNDER ANY LEGAL THEORY FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES INCLUDING WITHOUT LIMITATION WATER DAMAGE (THE END USER SHOULD TAKE PRECAUTIONS AGAINST SAME), LOST PROFITS, DELAY, OR LOSS OF USE OR DAMAGE TO ANY REAL OR PERSONAL PROPERTY.

Some states do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages, so one or both of these limitations may not apply to you.

Legal Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

