



OPERATOR'S MANUAL

Safety, Operation & Service Information

Radial Flow Carpet Dryer

Model: CD10P

Form: GOM03061601EN, Version 1.0, Original Instructions

- Do not discard this manual.
- Keep manual readily available for reference during operation or when servicing product.
- Before operation, read and comprehend operator manual content.
- **Customer Service:** 001 507 451 5510
- **Customer Service Telefax:** 001 507 451 5511

Note: There is no charge for Customer Service.

- **Internet Address:** <http://www.generalequip.com>
- **Email:** general@generalequip.com
- **Mailing Address:**
General Equipment Company, 620 Alexander Dr. S.W., P.O. Box 334, Owatonna, MN 55060, USA

EUROPEAN REPRESENTATIVE

- **Customer Service:** (+31) 5 23 63 82 86
- **Internet Address:** <http://www.eurogate-international.com>
- **Email:** info@eurogate-international.com
- **Mailing Address:** Eurogate International, Galilieistraat 6, 7701 SK Dedemsvaart, The Netherlands

Product covered by this manual complies with mandatory requirements of 2006/42/EC.

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1 INTRODUCTION

Congratulations on your decision to purchase a General Equipment light construction product. From our humble beginnings in 1955, it has been a continuing objective of General Equipment Company to manufacture equipment that delivers uncompromising value, service life and investment return. Because of this continuous commitment for excellence, many products bearing the General name actually set the standard by which competitive products are judged.

When you purchased this product, you also gained access to a team of dedicated, knowledgeable, support personnel that stand willing and ready to provide field support assistance. Our team of sales representatives and in-house factory personnel are available to ensure each General product delivers the intended performance and product safety you expect. Our personnel can readily answer your questions or concerns regarding proper applications, service requirements and warranty related problems.

The Radial Flow Carpet Dryer is intended for use in moving air in non-hazardous, non-flammable, non-explosive environments only for purpose of drying damp/wet carpet or other surfaces. Blowers are not intended for use in extremely dusty environments. The Blower is operated by one adult of proper operator experience/skill/ common sense, height, weight, strength and physical condition.

If you have any questions or concerns about this product, please feel free to contact our European Representative or Customer Service Department during normal business hours using the contact information located on the front cover of this manual.

Sincerely,
The General Equipment Team

2 SAFETY SYMBOLS

The following safety alert symbols identify important safety messages in this manual. When you see these symbols, be alert to the possibility of personal injury and carefully read the message that follows. Always utilize correct ducting, duct couplers or extension cords for use with Radial Flow Carpet Dryer.

SAFETY SYMBOLS & MEANINGS

Symbol	Meaning	Symbol	Meaning
	Action Required		No Trash Containers
	Read Manual		General Warning
	Wear Ear Protection		Warning, Flammable Material

	Wear Eye Protection		Warning, Explosive Material
	Wear Protective Gloves		Warning, Toxic Material
	Wear Safety Shoes		Warning, Electricity
	Wear Breathing Protection		Warning, Body Entrapment
	Disconnect From Power		Warning, Sharp Element
	No Open Flame		Warning, Floor Level Obstacle
	No Smoking		Warning, Drop Off
	No Active Mobile Phone		Warning, Slippery Surface
	No Food Or Drink		

OPERATIONAL DISCLAIMER

The manufacturer of Radial Flow Carpet Dryer makes no warranty or guarantee it is merchantable and/or suitable for a specific job application and that it will have the capability and power required to remove any specific floor covering from any specific work surface.

3 SAFETY INSTRUCTIONS

- These safety instructions provide guidelines to promote safety and efficiency with the Radial Flow Carpet Dryer.
- No warranty, guarantee or representation is made by manufacturer as to absolute correctness or sufficiency of any information or statement.
- Safety instructions are intended to deal with common practices and conditions encountered in use of the Blower and are not intended to be all inclusive.
- Not following instructions in this manual can result in property damage, personal injury and/or death.

BEFORE OPERATING



1. BEFORE operating the Blower, read this manual and view applicable Safety/Operational Video to familiarize each operator with correct operating procedures.
2. Visually inspect the Blower per MAINTENANCE INSTRUCTIONS STEPS 4 through 9 of this manual.
3. Determine the Blower is in original, factory configuration and has not been modified in any manner. If questions arise about possible modifications, contact the European Representative or Customer Service Department BEFORE utilization. There is no charge for this service.
4. Always start and stop the Blower according to instructions to minimize possibility of unexpected or uncontrolled movement. Know how to stop unit in an emergency.

Noise

Blower and ventilation process creates exposure to high noise emission levels that can result in hearing loss or damage. Hearing protection is required while operating or when near operating equipment. Continuous and regular operators should have their hearing checked regularly.

Clothing

Clothing must be sturdy, snug fitting, but allow complete freedom of movement. Never wear loose fitting jackets, scarves, neckties, jewelry, flared or cuffed

pants or anything that could become caught on controls or moving parts. Properly secure eyeglasses, hearing aid devices and other medical related devices. Wear long pants to protect legs. Protect hands and improve grip with heavy duty, nonslip gloves. Wear and properly lace sturdy boots with nonslip soles. Steel-toed safety shoes are mandatory. Wear approved safety hard hat where there is danger of head injuries and/or approved breathing mask where danger of airborne foreign particulate contamination is present.

Flying Debris

Ventilation process can result in flying debris. Eye protection and appropriate safety apparel is required when near or operating Blower. DO NOT operate unit with onlookers or animals close by.

Back Care & Proper Lifting Procedures

Operators will be required to lift Blower as demanded by specific job applications. When lifting, one person is required. Utilize proper lifting techniques to minimize fatigue and back-related injuries.

TRANSPORTATION



1. When transporting Blower, coil and secure unit electrical cord around outside carry handle area under four storage tangs provided when in following operating conditions:
 - a) To and from jobsite.
 - b) Longer distances while being repositioned on jobsite.
 - c) Traversing up and down stairways.
 - d) Performing maintenance and/or repairs.
 - e) Lifting/lowering from transportation vehicle.
2. To reduce storage area and minimize damage, transport Blower in normal upright position.
 - a) Provide proper protection between Blower components and vehicle to prevent direct contact.
 - b) DO NOT drop unit or directly impact Blower inlets and outlet to prevent damage.
3. All equipment must be secured in/on vehicles with suitable strapping or tie downs.

DETERMINATION OF POTENTIAL SUBSURFACE HAZARDS IN PROPOSED VENTILATION LOCATION(S)



Blower housing and carry handle are constructed of non-metallic composite material, but do not guarantee operators will be properly insulated from contact with charged electrical cables. Blower is not classified as insulated.

BEFORE attempting to circulate an area, identify/mark all potential subsurface hazards in proposed ventilation location(s). Subsurface hazards may include, but may not be limited to the following:

1. Buried debris, rotted timbers or wood planking.
2. Buried pressurized pipelines (e.g. natural gas, propane, etc.)
3. Buried electrical cables.
4. Water, flammable/combustible/toxic liquids, gases, vapors, dusts, fibers or filings.

DETERMINATION OF POTENTIAL ABOVE SURFACE HAZARDS IN PROPOSED VENTILATION LOCATION(S)



Normal Blower use is on level surfaces. Avoid other surface conditions which can be dangerous. Special care must be exercised on slippery, and/or difficult/uneven surfaces. Watch surface irregularities or drop offs to lower floor levels. Check for any dirt, dust and/or loose debris that could be pulled into the blower. Check for such hazards as water, flammable/combustible/toxic liquids, gases, vapors, dusts, fibers or filings.

OPERATIONAL HAZARDS



1. The air circulation/drying process can produce sparks, dusts and other foreign particle contamination that can result in fire and/or explosion depending on existing jobsite conditions.
2. Dust, dirt and debris can contain asbestos and other chemicals that are known to cause physical harm and/or affect the environment.
3. Excessive water, and/or other conductive materials on work surface can result in electrocution of operator and/or other personnel.

Preventive Measures:

- Operator must maintain physical and mental alertness. Be prepared for unexpected dirt and/or debris coming in contact or entering blower. Do NOT allow intake outlets to become blocked or place object in intake grills or outlet. Operator must be capable of sensing level of blower control operator has.
- DO NOT operate Blower in areas where flammable or combustible liquids, gases, vapors, dust, fibers or filings may be present. DO NOT discharge flammable liquids or chemicals through Blower.
- DO NOT place Blower in standing water or operate when raining. DO NOT allow water inside blower or motor. If motor/blower becomes wet for any reason, dry thoroughly BEFORE operating. Remove water and/or conductive materials by industry-approved and/or accepted practice BEFORE operating Blower. Determine Blower is properly grounded and extension cords are free of cuts. Abrasions and/or exposed cable strands.

4 MACHINE SPECIFICATIONS

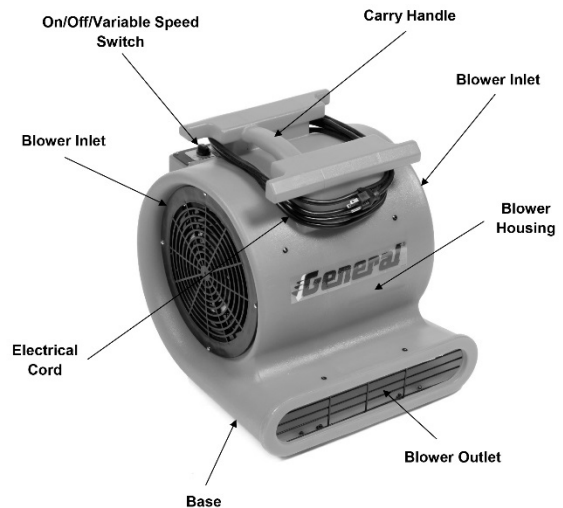


FIGURE 1

CD10P SPECIFICATIONS

BLOWER TYPE	Radial
HOUSING	High density, UV resistant polyethylene
BLOWER WHEEL	Galvanized steel
WIDTH	457 mm (18 inches)
LENGTH	502 mm (19.75 inches)
HEIGHT	533 mm (21 inches)
WEIGHT	19.0 Kg (42 lbs)
ELECTRIC MOTOR	746W (1.0 HP), 220 VAC, 50 HZ, 3-speed
EXTENSION CORDS	Minimum rating for non-manufacturer supplied extension cords, HO5VVF (3 x 1.5 mm ²) up to a maximum cord length of 25 m.
OPERATING ENVIRONMENTS	Non-hazardous type locations.
REQUIRED NUMBER OF OPERATORS	1

VENTILATION BLOWER POWER SOURCE

The Blower is designed to operate from a clean, 10 ampere, 220 VAC, 50 Hz, nominal power source. Clean power refers to amperage available from individual electrical circuit selected.

Additional electrical products already using same circuit will reduce available amperage resulting in starting/operational difficulties. Check proper voltage and amperage levels in addition to power source being properly grounded.

Proper voltage and amperage to electric motor is essential for maximum productivity and service life. Low voltage and amperage will cause motor to overheat and can cause unreparable damage to motor and related controls. An improperly grounded circuit increases risk of electric shock. A qualified electrician may need to be consulted.

5 STANDARD PRODUCT & ACCESSORIES

Refer to FIGURE 1 for overview description of standard components included in Blower. Included in shipment for Blower should be the following:

- 1 each, Model CD10P
- 1 each, Final inspection form

6 MACHINE SET-UP



Open shipping carton immediately upon receipt. Remove blower from carton. Visually inspect contents for freight damage and/or missing parts. If shipping damage is evident, contact delivering carrier immediately to arrange for an inspection of damage by their claims representative. **DO NOT DESTROY OR DISCARD SHIPPING CARTON UNTIL INSTRUCTED BY AUTHORIZED REPRESENTATIVE OF CARRIER OR FACTORY.** If missing parts are detected, notify your dealer who will assist you in obtaining them.

NOTE: Blower comes pre-assembled and ready to operate. As a precaution **BEFORE** operating:

1. Inspect all fasteners for looseness. Tighten as necessary.
2. Determine all components of Blower allow for proper function as stated in this operator manual.

7 OPERATING INSTRUCTIONS



BLOWER SET-UP ON JOBSITE

1. Determine Blower is ON/OFF switch is in OFF position and is not connected to power source.
2. Position Blower on level, secure surface to prevent shifting while in use with Blower outlet facing away from operator. Inlets of blower should be horizontal relative to work surface. **DO NOT** operate blower in a vertical position.

NOTE: **DO NOT** stand directly in front of blower or place and portion of body in front of blower outlet to prevent being hit by flying debris.

3. Position Blower inlets away from walls and obstructions to provide maximum air flow pointing Blower outlet area to be dried. Place blower a minimum of 1.5 M (5 ft.) from ledges or drop offs.
4. To assist drying vertical surfaces, ceilings or circulate air in upward direction, follow STEP 3 per OPERATING INSTRUCTIONS section in this manual and tilt base/outlet up and back so base of blower is at 45° degrees to work surface.
5. Connect Blower power cord to power source.

NOTE: If additional extension cord is required, connect additional extension cord to Blower power cord then connect extension cord to power source.

NOTE: Inspect each extension cord **BEFORE** use. **DO NOT** use cord with worn or cut outer jacket, repaired with electrical tape and/or improper functioning connection device.

6. Turn Blower ON/OFF/VARIABLE SPEED switch to position 1, 2, OR 3. Monitor airflow for any obstructions.

NOTE: Motor will start if power is lost then comes back on. **DO NOT** operate blower if ON/OFF switch is not functioning properly to prevent unexpected blower start-up, or loss of control. There is no automatic shut off feature on the blower.

NOTE: **DO NOT** use extension cord to move Blower or pull plug from receptacle. Damage to cord can result. Keep cord clear of blower, accessory ducting, heat, oil, sharp edges or moving parts. If extension cord becomes entangled about Blower and/or operator turn Blower ON/OFF/VARIABLE SPEED switch to OFF position immediately.

STOPPING BLOWER



7. Turn blower ON/OFF/VARIABLE SPEED switch to OFF position between each use or when moving from one major section of work surface to another.
8. Disconnect extension cord from power source. Never leave blower connected to power source and unattended.
9. Disconnect extension cord from blower.

8 MAINTENANCE INSTRUCTIONS



For routine maintenance, the following information should be followed at minimum once per week or 40 hours of use for maximum performance and return on investment unless otherwise indicated. Information is for reference only and is not intended to be all inclusive.

1. Use factory approved replacement parts/accessories only for maintenance and repair.
2. All maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.
3. **STOP** Blower **BEFORE** performing maintenance and service per **STOPPING BLOWER** in OPERATING INSTRUCTIONS section of this manual.
4. Inspect for loose, broken, cracked or deformed parts. Inspect all fasteners, individual parts, operator controls and safety devices for proper function. Tighten fasteners as necessary. Replace any worn or damaged part or assembly.
5. Remove all loose material accumulations, dirt and grease on internal/external surfaces, inlet and outlet to prevent safety hazards, poor performance and reduced service life. Use vacuum as necessary to remove most accumulation then use damp cloth with mild soap and water or vinyl cleaner/protectant or safety type solvent for final Blower cleaning. Dry thoroughly **BEFORE** operating.

NOTE: Electric motor IS NOT fully enclosed. Keep fan fins clear of material accumulations for proper air flow/cooling. It may be necessary to remove inlet/outlet grills to access fan blade/motor for cleaning. Reinstall grills **BEFORE** operating blower.

IMPORTANT: **DO NOT** pressure wash blower. **DO NOT** use thinner, benzene, or other volatile solvents that will attack rubber/plastic components when cleaning Blower. Provide adequate ventilation. Dispose of rags/solvents per international and local regulations.

6. Inspect Blower ON/OFF/VARIABLE SPEED switch for proper function. If damaged or worn, replace.

7. Inspect carry handle grip is free of moisture, pitch, oil or grease and is not cracked or damaged. If full of dirt or pitch, clean. If cracked or damaged, replace blower housing.
8. Inspect all safety and operation decals for proper condition. If any decal becomes damaged and/or unreadable, replace.

9 TROUBLESHOOTING

NOTE: If troubleshooting information does not correct situation, all maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.

UNIT WILL NOT START OR LOOSES POWER

Possible Cause	Correction
No power received from power source.	Consult qualified electrician for proper voltage and ampere output.
On/Off switch in OFF position.	Turn to ON position.
Motor loses power.	Check power source for correct voltage and amperage.
Improper extension cord connection (if applicable).	Determine all connections produce a closed circuit. Reduce length and/or increase cord wire size.
Circuit overloaded, panel circuit breaker tripped.	Unload circuit, reset circuit breaker.
High operating temperatures.	Disconnect machine from power source. Allow to cool. Determine motor fan blades are clean of foreign material accumulations. Clean as necessary using appropriate solvent.

UNIT RUNS, MAKES SCRAPING NOISE

Possible Cause	Correction
Severe impact to unit, fan contacting housing.	Replace unit, non-serviceable item.
Severe impact to housing, housing deformed.	Replace unit, non-serviceable item.

UNIT RUNS, VIBRATES EXCESSIVELY

Possible Cause	Correction
Severe impact to unit, bent motor shaft.	Replace unit, non-serviceable item.
Fan blade damaged.	Replace unit, non-serviceable item.
Dirt build up on fan blade.	Clean fan blade.
Air intake blocked.	Clear debris from intake.

UNIT RUNS BRIEFLY, SHUTS OFF ON OVERLOAD

Possible Cause	Correction
Motor bearings failing or internal motor electrical fault.	Replace unit, non-serviceable item.
Intake and/or exhaust grill obstructed.	Remove obstruction/clean grills.
Excessive duct length.	Reduce duct length to recommended maximum.

MOTOR MAKES NOISE, FAN DOES NOT TURN

Possible Cause	Correction
Fan jammed against housing.	Replace unit, non-serviceable item.
Capacitor wire broken or loose, capacitor has failed.	Replace unit, non-serviceable item.
Housing damaged, presses against fan blade.	Replace unit, non-serviceable item.
Roll pin locking fan to motor shaft is faulty.	Replace unit, non-serviceable item.

BLOWER LACKS AIR FLOW

Possible Cause	Correction
Motor bushes worn.	Replace unit, non-serviceable item.
Motor overheating.	Replace unit, non-serviceable item.
Housing damaged, presses against fan blade.	Replace unit, non-serviceable item.
Roll pin locking fan to motor shaft is faulty.	Replace unit, non-serviceable item.

10 STORAGE

LONG TERM STORAGE



Procedure for long term storage of Blower will protect it against effects of corrosion and damage. If Blower is not to be operated for a period of 30 days or more, proceed to store as follows:

1. STOP Blower per STOPPING Blower in OPERATING INSTRUCTIONS section of this manual.
2. Clean Blower and ducting per MAINTENANCE INSTRUCTIONS section of this manual.

IMPORTANT: DO NOT use thinner, benzene, or other volatile solvents for cleaning Blower.

3. Inspect all visible parts for wear, breakage or damage per MAINTENANCE INSTRUCTIONS section of this manual.
4. Coil and secure unit electrical cord around outside carry handle area under four storage tangs provided.
5. Store Blower inside. If Blower must be stored outside, protect it with a suitable covering.

NOTE: Blower may be stacked vertically to maximum height of 4 blowers. To stack, base of first unit must set level on work surface. Nest rubber feet of succeeding units in recess areas provided in top, central carry handle area. Blower outlets of all stacked units must face same direction for stability.

11 END OF LIFECYCLE



If the Blower comes to the end of its lifecycle, destruction of the Blower must be conducted according to international and local environmental regulations.

12 DECLARATION OF INCORPORATION

We, Ningbo A-One Hardware Company, Limited, Xinmian Village, Xiaogang Street, Beilun, Ningbo, Zhejiang, China declare under our sole responsibility that the Radial Flow Ventilation Blower product: CD10P


To which this declaration relates is in conformity with the following standards or standardization documents:

- EN 60335-2-80: 2003 + A1:2004 + A2:2009
- EN 60335-1: 2012 + A11:2014
- EN 62233:2008

According to the provisions of the European directive:

- 2014/35/EU

Manufactured at: Ningbo, Zhejiang, China
Beginning with serial number: 155058

Signature: 
Position: Manager
Date: June 29, 2016