



PATTERSON

THE AUTHORITY IN AIR MOVEMENT

CAGE FANS

MANUAL

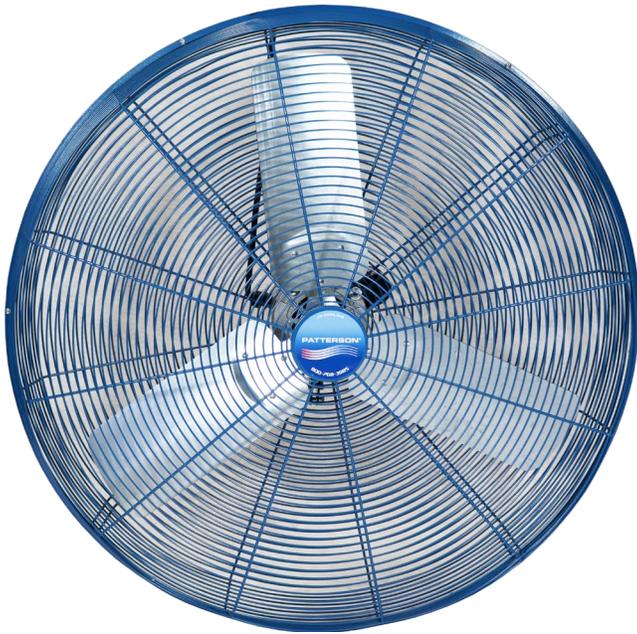
Patterson Fan Company, Inc
Blythewood, SC 29016
www.pattersonfan.com
800.768.3985

CAGE FANS

PEDESTAL FANS

HEAVY DUTY INDUSTRIAL GRADE

- Marathon TEAO motor, 2-speed
- 115V thermally protected
- Motor speed: 750/1075 RPM
- OSHA compliant blue, powder coated guards
- Factory wired 10' cord w/ inline cord switch
- 1-year warranty



MOUNTING OPTIONS



PB Pedestal Base
Adjustable height: 42-72"
33" closed base



CW Column-Wall

18"

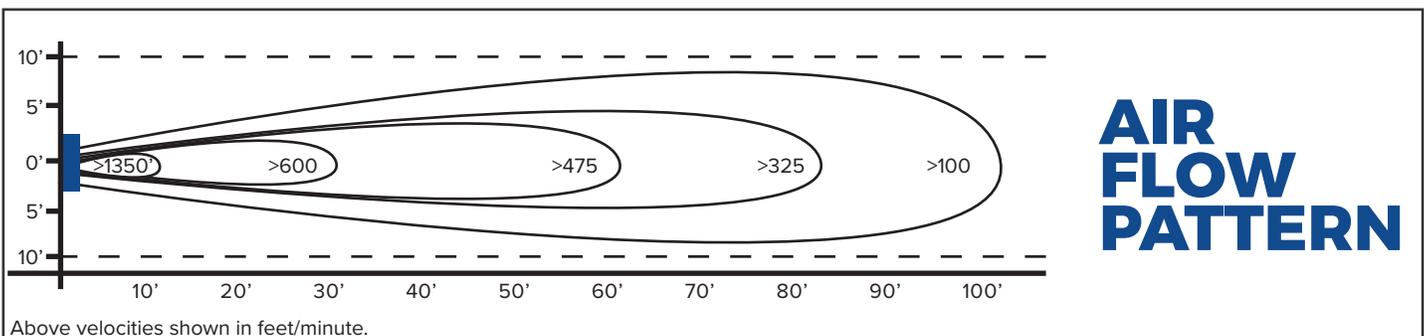
SIZE	CFM LOW/HIGH	HP	VOLTAGE	RUNNING AMPS	SHIPPING WEIGHT
18"	3010/4600	1/2	115V/1Ø	3.7	43 lbs

24"

SIZE	CFM LOW/HIGH	HP	VOLTAGE	RUNNING AMPS	SHIPPING WEIGHT
24"	4000/6300	1/2	115V/1Ø	5.6	50 lbs

30"

SIZE	CFM LOW/HIGH	HP	VOLTAGE	RUNNING AMPS	SHIPPING WEIGHT
30"	8600/9700	1/2	115V/1Ø	5.6	54 lbs



OPERATING INSTRUCTIONS

WARNING

Disconnect power source before installing or servicing. Failure to disconnect power source can result in fire, shock or serious injury.

1. Patterson products should be installed and serviced by qualified technicians only.
2. Follow all local electrical and safety codes, as well as the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA) in the United States.
3. The unit should be installed, protected and fused in accordance with latest issue of the National Electrical Code, MEMA Standard Publication No. MG2 and local codes.
4. Motor must be securely and adequately grounded. This can be accomplished by wiring with a ground, metal-clad raceway system, using a separate ground wire connected to the bare metal of the motor frame, or other suitable means.
5. Always disconnect power source before working on or near a motor or its connected load. Lock open position and tag to prevent unexpected application of power.
6. In accordance with OSHA requirements, guarding is required if unit is mounted less than 7 feet above floor or where workers have access.
7. Keep hands and clothing away from moving parts.
8. Be careful when touching the exterior of an operating motor; it may be hot enough to cause injury. This condition is normal if operated at a rated load and voltage and built to operate at higher temperatures.
9. Protect power cable from coming into contact with sharp objects.
10. Do not tangle power cable and never allow cable to come in contact with oil, grease, hot surfaces or chemicals.
11. Make sure that the power source complies to the requirements of your equipment.

When looking at the front of the fan, the blade should be turning clockwise. If it does not, the electrical connection wires may need to be reversed. If reversing the wires does not work, contact your factory representative.

MAINTENANCE

All Patterson Fans are designed to be virtually maintenance free, but routine cleaning and inspection should be performed on a regular basis. Clean the fan of all dust, dirt and grease. Regular cleaning will keep the fan operating safely at optimal performance levels.

On an annual basis, we recommend that you inspect the following:

- Tightness of the blade
- Cracking of the blade around rivets, spider, and hub
- Integrity of motor mounts and welds
- Tightness of the safety finger/hand guards
- Tightness of bolts of mounting brackets
- Security of attachment to wall or other structural member
- Security of the safety chain

If you find any problems as a result of routine inspection or have any questions about assembly or operating instructions, consult the troubleshooting guide on the following page or call a factory sales representative at 800-768-3985.

For all parts, visit www.pattersonfan.com or contact Patterson Fan Company, Inc. direct at **800-768-3985**.

TROUBLESHOOTING

Warning: Electrical shock hazard, serious injury or death may occur. Disconnect from electrical supply before servicing these products.

Fan system: The head consist of four major parts: Housing, Guards, Motor and Blade. See troubleshooting array.

PROBLEM	CHECK	SOLUTION
Fan won't run and makes no sound.	<ol style="list-style-type: none"> 1. Power cord, extension cord, circuit breaker. 2. Connections in motor junction box. 3. Connections on motor capacitor. 	<ol style="list-style-type: none"> 1. Reconnect power, extension cord, reset breaker. 2. Verify connections, match motor data plate. 3. Reattach any loose connections.
Fan motor won't run and makes humming sound.	<ol style="list-style-type: none"> 1. Connections in motor junction box. 2. Confirm free rotation of the blade. 3. Connections on motor capacitor. 	<ol style="list-style-type: none"> 1. Verify connection with motor data plate. 2. Shift blade on motor shaft. 3. Reattach any loose connections. 4. Replace motor.
Breaker trips or fuse blows when fan is started.	<ol style="list-style-type: none"> 1. Connections on motor capacitor. 2. Blade rotation. 3. Motor voltage connections match power source voltage. 4. Inspect motor barrel for damage. 	<ol style="list-style-type: none"> 1. Reattach any loose connections. 2. Shift blade on motor shaft. 3. Check source voltage. 4. Replace motor.
Motor overheating and shutting off, restarting several minutes later.	<ol style="list-style-type: none"> 1. Extension cord too small. 2. Inlet air obstructed. 3. Motor voltage connections match power source voltage. 4. Faulty motor. 	<ol style="list-style-type: none"> 1. Replace with heavier cord. 2. Provide additional inlet clearance. 3. Check source voltage. 4. Replace motor.

Please contact your Patterson Sales Representative for further questions: 800-768-3985

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