

KING

INDUSTRIAL

1600 CFM AIR MOVER WITH DIGITAL READOUT



MODEL: KC-1600AM

INSTRUCTION MANUAL

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WARRANTY INFORMATION

**2-YEAR
LIMITED WARRANTY
FOR THIS AIR MOVER**

**KING CANADA TOOLS
OFFERS A 2-YEAR LIMITED WARRANTY
FOR NON-COMMERCIAL USE.**

PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

REPLACEMENT PARTS

Replacement parts for this product are available at our authorized King Canada service centers across Canada. Please use the 10 digit part numbers listed in this manual for all part orders where applicable.

LIMITED TOOL WARRANTY

King Canada makes every effort to ensure that this product meets high quality and durability standards. King Canada warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, alterations and lack of maintenance. King Canada shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products.

To take advantage of this limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized service centre, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

NOTE TO USER

This instruction manual is meant to serve as a guide only. Specifications and references are subject to change without prior notice.

KING CANADA INC. DORVAL, QUÉBEC, CANADA H9P 2Y4

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GENERAL & SPECIFIC SAFETY INSTRUCTIONS

WARNING: To reduce the risk of electric shock, do not expose to water or rain.

CAUTION: Do not use an extension cord with this Air Mover.

CAUTION: To reduce the risk of electric shock, connect only to an outlet provided with a ground fault circuit interrupting device.

1. Do not leave Air Mover plugged in. Unplug from outlet when not in use and before servicing. Connect to a properly grounded outlet only. See Grounding Instructions.
2. Do not expose to water or rain – store indoors.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. Do not operate Air Mover with a damaged cord or plug. If Air Mover is not working as it should, has been dropped, damaged, left outdoors or dropped into water, return Air Mover for examination and/or repair.
6. Do Not: pull or carry by cord, use cord as a handle, close door on cord or pull cord around sharp edges or corners. Do not run other machine over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug; not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
11. Turn off all controls before unplugging.
12. **WARNING!** To avoid injury or property damage: do not use around explosive liquids or vapors, as electrical devices produce arcs or sparks, which can cause a fire or explosion.
13. Do not store or use near flammable or combustible liquids such as gasoline, toxic, carcinogenic, combustible or hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides or other health endangering materials.
14. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
15. Operation of this Air Mover can result in foreign objects being blown into eyes, which can result in eye damage. Always wear safety goggles when operating this Air Mover.
16. **STAY ALERT,** Watch what you are doing and use common sense.
17. Use only on GFCI Protected Receptacles.
18. It is not recommended to use an extension cord, but if it is unavoidable, use the proper AWG caliber rating and the shortest extension cord possible.

ELECTRICAL INFORMATION

WARNING: YOUR AIR MOVER MUST BE CONNECTED TO A 120V, 15-AMP. BRANCH CIRCUIT. FAILURE TO CONNECT IN THIS WAY CAN RESULT IN INJURY FROM SHOCK OR FIRE.

120V OPERATION

As received from the factory, your Air Mover is ready to run for 120V operation. This Air Mover is intended for use on a circuit that has an grounded outlet and a grounded plug which looks like the one illustrated in Fig.1.

GROUNDING

This Air Mover must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current, to reduce the risk of electric shock. This Air Mover is equipped with a cord having an equipment-grounding conductor. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING: TO MAINTAIN PROPER GROUNDING OF YOUR AIR MOVER, DO NOT REMOVE OR ALTER THE PLUG GROUNDING PRONG IN ANY MANNER.

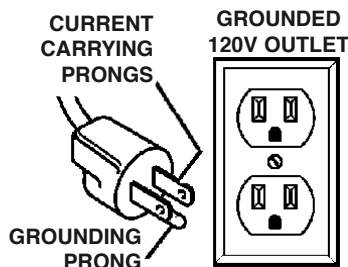


FIGURE 1

Tool's Amperage Rating	Cord Size in A.W.G.			
	Cord Length in Feet			
	25	50	100	150
3-6	18	16	16	14
6-8	18	16	14	12
8-10	18	16	14	12
10-12	18	16	14	12
12-16	14	12	-	-

FIGURE 2

Not all outlets are properly grounded. If you are not sure if your outlet is properly grounded, have it checked by a qualified electrician.

WARNING: IF NOT PROPERLY GROUNDED, THIS AIR MOVER CAN CAUSE ELECTRICAL SHOCK, PARTICULARLY WHEN USED IN DAMP LOCATIONS. TO AVOID SHOCK OR FIRE, IF THE POWER CORD IS WORN OR DAMAGED IN ANY WAY, HAVE IT REPLACED IMMEDIATELY.

WARNING: IT IS RECOMMENDED TO ONLY USE GFCI PROTECTED RECEPTACLES.

EXTENSION CORDS

It is not recommended to use an extension cord, but if it is unavoidable, use the proper AWG caliber rating and the shortest extension cord possible. The use of any extension cord will cause some loss of power. Use the chart in Fig.2 to determine the minimum wire size (A.W.G-American Wire Gauge) extension cord. Use only extension cords which accept the tool's plug.

For circuits that are further away from the electrical circuit box, the wire size must be increased proportionately in order to deliver ample voltage to the motor. Refer to Fig.2 for wire length and size.

GETTING TO KNOW YOUR AIR MOVER



1. Retractable handle
2. Carry handle
3. LCD screen control panel
4. Air outlet
5. Intake guard
6. Main On/Off button

7. LCD screen
8. Speed setting button (3 speeds)
9. Timer button
10. Hour setting button
11. Minute setting button

SPECIFICATIONS

Model	KC-1600AM
Airflow	Max. 1600 CFM (3 speeds- 1000/1300/1600 CFM)
Power cord length	10 feet
Motor	3.7 / 4.3 / 5.3 Amp.
Voltage	120V, 60Hz, 1 phase
Dimensions	20" x 17-1/4" x 37-1/2"
Weight	25 lbs

OPERATION

SAFE USAGE

To safely use your Air Mover, follow these instructions:

1. Unpack Air Mover from carton.
2. To use your Air Mover, place it in the area most suitable for your application. Several factors need to be considered: the Air Mover must be placed close enough to an AC outlet to be plugged in (approx. 10 feet), there must be a minimum clearance of two feet from either side of the Air Mover to allow for proper air flow, and the unit should not be placed where it can become a tripping or safety hazard.
3. Plug Air Mover into a grounded GFCI receptacle.
4. Turn Air Mover On and select air speed. Refer to section on the following page for instructions on how to set clock, timer settings and how to set Air Mover On/Off.
5. When your drying job is completed, turn the Air Mover off and properly store Air Mover.

LCD SCREEN DIGITAL READOUT CONTROL PANEL

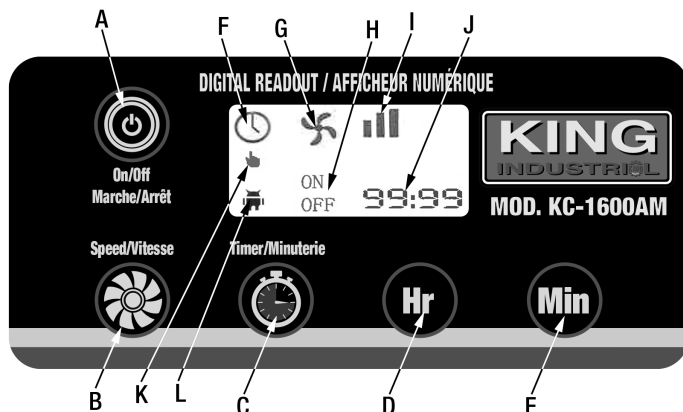


Figure 3

- A- On/Off button.** Press this button to turn Air Mover On, or Off.
- B- Speed button.** Press this button to cycle through fan settings 1, 2 or 3 (1000/1300/1600 CFM). Pressing and holding the speed button for 3 seconds will stop the Air Mover fan, but will keep air mover LCD screen on.
- C- Timer button.** When turning On the air mover, the clock setting must be set. Press this button to set the clock time, press again to cycle through the timer On and Off settings.
- D- Hour button.** In clock setting, press this button to set the clock or timer hour setting. This button can also be pressed to see the timer On time setting.
- E- Minute button.** In clock setting, press this button to set the clock or timer minute setting. This button can also be pressed to see the timer Off time setting.
- F- LCD clock symbol.** Indicates clock is set.
- G- LCD fan symbol.** When the fan symbol is turning, this indicates the fan is On.
- H- LCD ON/OFF words.** Indicates the timer On and Off values are set.
- I- LCD 3 speed lines.** Indicates which setting the fan is turning at (1, 2 or 3).
- J- LCD clock time.** Indicates the clock time.
- K- LCD hand symbol.** Indicates the timer setting is not set.
- L- LCD robot symbol.** Indicates the timer setting is set.

OPERATION / MAINTENANCE

SETTING CLOCK

When turning On the air mover, the clock setting must be set. Press the **On/Off button** (A) Fig.4 to turn air mover On, the clock will flash in the digital readout, then press **Timer button** (C) to enter clock setting, press **Hr button** (D) to set the hour, then press the **Min button** (E) to set the minute.

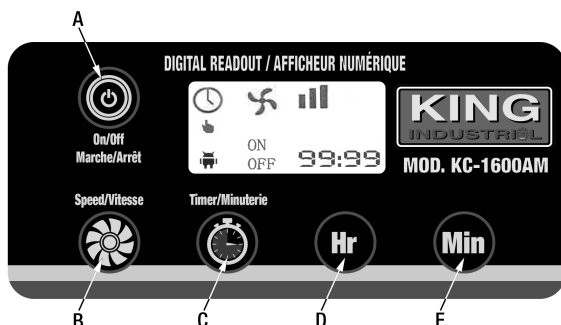


Figure 4

SETTING TIMER ON/ SETTING TIMER OFF

If you desire to set a timer start time (On), and a timer stop time (Off), press the **On/Off button** (A) Fig.4 to turn air mover On, the clock will flash in the digital readout, then press **Timer button** (C) twice to enter Timer On setting, press **Hr button** (D) to set the hour, then press the **Min button** (E) to set the minute. Then press **Timer button** (C) again to enter Timer Off setting, press **Hr button** (D) to set the hour, then press the **Min button** (E) to set the minute. Press **Timer button** (C) to exit the timer setting.

STOPPING FAN WHILE AIR MOVER IS ON

If you desire to turn the air mover fan Off while setting clock or timer, press and hold the **Speed button** (C) Fig.4 for 3 seconds, press **Speed button** again to restart the fan.

RESETTING TIMER

If you desire to reset a timer start time (On), and timer stop time (Off), in the timer On and Off setting, press and hold the **Speed button** (B) for 3 seconds to reset. Then enter the new timer start time (On), and timer stop time (Off).

QUICK VIEW OF TIMER SETTINGS

If you desire to view the timer start time (On), simply press the **Hr button** (D) Fig.4, and to view the timer stop time (Off), press the **Min button** (E).

Maintenance

WARNING: UNPLUG POWER CORD BEFORE CLEANING, THIS WILL REDUCE THE RISK OF INJURY FROM THE AIR MOVER ACCIDENTALLY STARTING.

1. Clean your Air Mover before storing it. The outside of the Air Mover can be cleaned using a damp cloth to remove any dust or residue.
2. Wrap the power cord around the carry handle on the top of the Air Mover.
3. The Air Mover should be stored indoors in a dry environment.

Lubrication

No lubrication is necessary as the motor is equipped with lifetime lubricated bearings.

PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.