

Technical Notes

Ecogrinder

The Alpha® Ecogrinder is the ideal high performance grinder with a built-in vacuum system. It is designed for continuous production in fabrication shops as well as job sites. The Alpha® Ecogrinder ensures a virtually dust-free environment without the use of an external vacuum system or expensive dust collector. Its unique slide cover allows the Ecogrinder grinding wheel to grind up to the wall. Opening the slide cover exposes the diamond cutting edge without reducing the vacuum effect. When combined with our manual height adjustment flange assembly, the Ecogrinder can accommodate any 5" grinding wheel with a 7/8" arbor. Whether you are grinding natural stone, concrete, or any masonry materials, the Alpha® Ecogrinder is the tool for you!

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Part No.	Arbor(s)	Description
ECG-125	7/8" / 22.23mm	Ecogrinder - 110V
ECG-225	7/8" / 22.23mm	Ecogrinder - 220V
133544	17" x13 1/2" x12"	Dust Bag w/strap
890001	-	Manual Height Adjustment Flange Assembly
ECGKIT125	Kit	Ecogrinder/Caddy/Carriage Kit 110V
ECGKIT225	Kit	Ecogrinder/Caddy/Carriage Kit 220V
VDSHUBQ	MAX RPM 12,000	Variable Drive Hub-Square - designed for use with Ecogrinder

Specifications:	Equipment Included:
Rating.....110 / 220 Volts	• Dust Bag w/ Hook & Loop Strap
Amperage.....10.25/5.1	• Dust Hose
Power.....1050W	• Dust Gate w/ Anti-Back Flow Flap
Speed (no-load).....8,700 RPM	• Spring Loaded Flange Assembly
Wheel Size.....5" / 125mm	• Carbon Brush Set
Arbor.....7/8" / 22.23mm	• Open-end Spanner Wrench
Weight.....12.70lbs	• Pin Spanner Wrench
Spindle.....5/8"-11	• Fan Belt Set (2pcs)
	• Top Handle w/Screw & Lock Washers
	• 5" Grinding Wheel (DSQ0500)

How to Use

Attach the desired 5" grinding wheel onto the Ecogrinder.

Plug unit into the power supply and reset the in-line circuit breaker.

Make sure all connections (dust bag, dust hose, dust gate) are all securely attached to prevent dust from escaping from the system during the grinding application.

Press power switch and let dust bag inflate for 15 seconds.

Lightly press down on the handle and start the grinding process.

When the grinding process is complete, run the Ecogrinder for an additional 15 seconds. This will allow the dust to clear the tool, fan and hose reaching to the dust bag.

Frequently Asked Questions (FAQs)

What materials can the Alpha® ECG-125/225 be used on?

The Alpha® Ecogrinder (ECG-125 or ECG-225) can be used to grind natural stone, concrete and masonry materials.

What is the arbor size of the Alpha® ECG-125/225?

The Alpha® Ecogrinder comes with a floating system (Square Arbor Design) , with a spring, which has a softer touch. Basically, the wheel is free to be pushed downward by a heavy coil to make contact between the surface and the wheel. It is important to note that you need a special grinding wheel for his method, which is included with the purchase of the ECG-125/225. This wheel is a 5" Segmented Grinding Wheel (Part No. DSQ0500) that has a square arbor.

What types of grinding wheels does Alpha® offer for use with the ECG-125/225?

Alpha® offers two types of grinding wheels for use with the ECG-125/225. Our 5" Segmented Grinding Wheel (Part No. DSQ0500) is recommended for concrete surface preparation and our 5" Spike Wheel (Part No. VCS503Q) is recommended for mastic removal.

Can I use a 5" Grinding Wheel with a 7/8" arbor on the ECG-125/225?

Yes. We offer a Manual Height Adjustment Flange Assembly (Part No. 890001- sold separately) that allows you to manually adjust the height when necessary. With this assembly, you can use any conventional grinding wheel with a 7/8" arbor.

What is the RPM of the ECG-125/225?

The RPM of the ECG-125/225 is: 8,700.

What is the largest size grinding wheel that the ECG-125/225 will accept?

The ECG-125/225 is designed to be used with only 5" diameter wheels.

How much does the ECG-125/225 weigh?

The ECG-125/225 weighs 12.70 lbs.

Why do you recommend running the ECG-125/225 for 15 seconds prior to starting the grinding application?

This recommended time is to allow the dust bag to inflate and fill the tiny micro fibers within the bag so that no dust will escape during the grinding application.

When I stop grinding, dust comes out near the grinding wheel, why?

Check to make sure the back flow assembly is attached correctly, so it closes once the tool is shut off. Also, the tool should run for 15 seconds after you complete grinding the floor to allow the dust to pass through the tool, fan and hose to reach the dust bag.

What is the warranty for the ECG-125/225?

Alpha® warrants the ECG-125/225 against defects in material and workmanship for one year from the date of original retail purchase (proof of purchase is required for all warranty repairs). Customers are asked to send in the warranty cards, however, we still need proof of purchase for warranty repairs. Our obligation assumed under this warranty is limited to the repair or replacement of parts caused by defects in material and/or workmanship. *Applies to tools sold after January 1, 2016 within the USA only.

What can I do to maintain my ECG-125/225 and keep it running like new?

Unplug the tool, remove the grinding wheel and belt covers to check and clean the belts after every 100 hours of use. Concrete dust may get inside the covers and onto the belts and pulleys, this can cause the belts to wear and the pulleys to slip. The belts should be replaced when showing signs of wear. A worn or stretched belt will not be able to center itself on the pulleys and can come off or wear a hole in the belt cover. After every 300 hours of use you should check the carbon brushes. Replacement of the belts and carbon brushes on a periodic basis is the first step to any type of maintenance. If complications begin to arise during the grinding application, or if unusual noises occur, check the belts and pulleys. If the unit is working correctly and you still hear the noise, this could be an indication that a bearing is worn. If this occurs, then we recommend that you send your tool in for repair.

If my ECG-125/225 breaks down, whom should I contact for repair?

You can contact the dealer where you purchased the tool or you can send it directly to Alpha® for repair. Visit our website at www.alpha-tools.com or call at 800-648-7229 ext. 505 for more information.

How can I get the parts list and schematic for the ECG-125/225?

Visit our website at www.alpha-tools.com or call at 800-648-7229 ext. 505.

Do you have videos of the ECG-125/225 in action?

Yes. You can view videos of the ECG-125/225 in various applications on the product home page on our website.

Can I use the Alpha® ECG-125/225 to polish around the baseboards of concrete floors?

Yes. Alpha® offers Wet/Dry Concrete Polishing Wheels (7-Steps) which are recommended to polish concrete floors along the baseboards. You will need to purchase the Variable Drive Hub “Square” arbor (Part No. VDSHUBQ) for securing the concrete polishing wheels onto ECG-125/225.

Can I reuse my dust bag?

Yes. The dust bag can be emptied and re-used. However; you may need to eventually reorder a new bag (Part No. 133544).

Helpful Hints

- Prior to starting your grinding, allow the tool to run for 15 seconds to inflate the dust bag.
- Allow the tool to run for 15 seconds after you complete grinding the floor to allow the dust to pass through the tool, fan and hose to the dust bag.
- When using the 7-STEP Concrete Polishing Wheels, you must purchase the Variable Drive Hub “Square” Adapter (Part No. VDSHUBQ) for attaching the concrete polishing wheels onto the ECG-125/225.

Reference

For more product information, visit us on the web at www.alpha-tools.com.

Product Page: <http://www.alpha-tools.com/Product.aspx?PageCode=1340>