

HITACHI
Inspire the Next

Electronic Disc Grinder

125mm(5")

G 13VE



Hitachi Power Tools

Distributed by:

 **Hitachi Koki Co., Ltd.**

www.hitachi-koki.com

Best^{*} Grinding
-in-class
Performance



NEW

**BRUSH
LESS**
Brushless Motor

**Industry
First^{*}**

AC Brushless Motor

Significantly extended product life cycle

Free from trouble including armature burnout, layer short or commutator wear even in severe work environments.

**No carbon brush
replacement required**

* As of November 2015. Among 125mm-class electronic disc grinders made by leading power tool manufacturers (surveyed by Hitachi Koki).

AC Brushless Motor

Industry First^{*1}



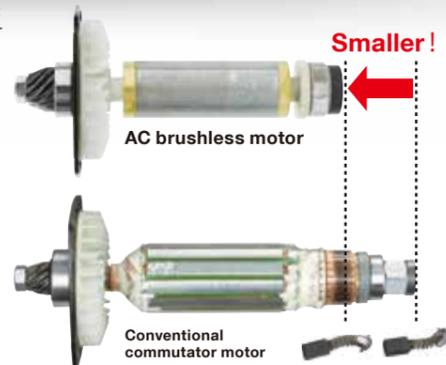
BRUSHLESS
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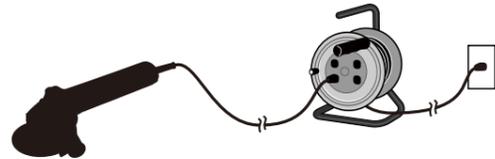
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Stable operation even during voltage drop

The brushless motor runs cooler, and its performance isn't affected as much by voltage drop from long extension cords on site. This vastly improves electrical efficiency.



AC brushless motor runs cooler

Very little performance degradation when used with an extension cord.

*Use an extension cord no longer than 50m.

Compatible with engine generators^{*3}

Equipped with Hitachi's original, compact and high efficiency inverter circuit, the disk grinder works with an engine generator that doesn't have an on-board inverter.



AC brushless motor equipped with Hitachi's original compact and high efficiency inverter circuit

Works with an engine generator without an on-board inverter.

*Use an extension cord no longer than 50m.

Increased grinding performance with less fluctuation in speed

The highly efficient brushless motor and electronic speed control maintains the speed and ensures work efficiency even when load on the motor increases.

*1 As of November 2015. Among 125mm class electronic disk grinders made by leading power tool manufacturers (surveyed by Hitachi Koki).

*2 Standard accessories may differ depending on the market area.

*3 When using the Hitachi brushless motor tools with engine generators whose output voltage can be adjusted, excessive voltage could cause these tools to fail.

*4 The weight may vary depending on accessories included. Weight according to EPTA-Procedure 01/2003.

Slimmest and most lightweight in its class^{*1}

The slim, lightweight and compact design allows for increased maneuverability and work efficiency.



Variable Speed Control

Rotation speed can be changed continuously with a dial between 2,800/min and 10,000/min according to the application.



<Dial settings and no load speeds>

Dial	No load speed (/min)	Use
1	2,800	Polishing, finishing
2	3,700	Removal of paint or coat
3	5,500	Removal of rust
4	7,500	Removal of burrs
5	9,000	Grinding
6	10,000	Rough grinding / Cutting



Model	G 13VE	
Capacity	Wheel Dia.	125mm (5")
	Hole Dia.	22.23mm (7/8")
	Thickness	6mm (1/4")
Spindle Thread	M14 x 2	
Power Input	1,320W	
No Load Speed	2,800 - 10,000/min	
Overall Length	305mm (12")	
Weight ^{*4}	2.1kg (4.6lbs.)	
Standard Accessories ^{*2}	Depressed Center Wheel, Side Handle, Wrench	

Other Features

Kickback Protection System

When a pinched or snagged rotating wheel causes rapid stalling of the rotating wheel, this feature will automatically cut off power to the motor to reduce kickback.

Caution Depending on operating conditions, the Kickback Protection System may not work or provide specified performance. Make sure that the workpiece is placed and supported properly, and that the main unit is held firmly during operation. Additionally, carefully read "KICKBACK AND RELATED WARNINGS" in the instruction manual.

Anti-Restart Protection

This feature disables the motor from restarting when power is unexpectedly cut and then recovered, thus minimizing accidents due to unexpected motor restart.

Soft Start

Upon start up, this feature gradually builds wheel rotation speed and therefore reduces the reactive force generated during motor start up. It provides increased safety and control.

