

# Great Safety Features

## Kickback Protection System

Monitors a sudden drop in the motor rotation speed and stops the motor quickly to reduce the reaction force (kickback).

⚠ 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.

## Electronic Brake **G 13BYEQ2**

Stops the wheel within seconds when the trigger is released, so users can get back to work quickly without wasting time waiting around for the wheel to slow down. The brake is also applied in case of unintentional disconnection of the power cord.

⚠ Use only the wheel washer supplied.

## Restart Protection

The motor does not restart after the power has been temporarily cut off during operation to avoid accidents.

## Soft Start

Allows comfortable operation by reducing the reaction force on start up.

## Paddle Switch **G 13BYEQ2**

Stops the wheel when released. For even more safety, the paddle switch cannot be pulled unless the lock-off lever is pushed down.



## Electronic Disc Grinders

**125mm G 13VE2**

**BRUSHLESS**

**NEW**



**125mm G 13BYEQ2**

**BRUSHLESS**

**NEW**



### Specifications

Model		G 13VE2	G 13BYEQ2
Switch Type		Slide Switch	Paddle Switch
Capacity	Wheel Dia.	125mm	
	Hole Dia.	22.23mm	
	Thickness	6mm	
Spindle Thread		M14 x 2	
Power Input		1,320W	
Max Power Output		1,900W	
No Load Speed		2,500 - 8,500/min	8,500/min
Overall Length		323mm	
Weight*1		2.4kg	
Standard Accessories*2		Wheel Guard, Side Handle, Guard Clip, Wrench	
Kickback Protection		Yes	Yes
Restart Protection		Yes	Yes
Soft Start		Yes	Yes
Variable Speed		Yes	No
Brake		No	Yes

\*1. Weight: according to EPTA-Procedure 01/2014.

\*2. Standard accessories vary by country or area.

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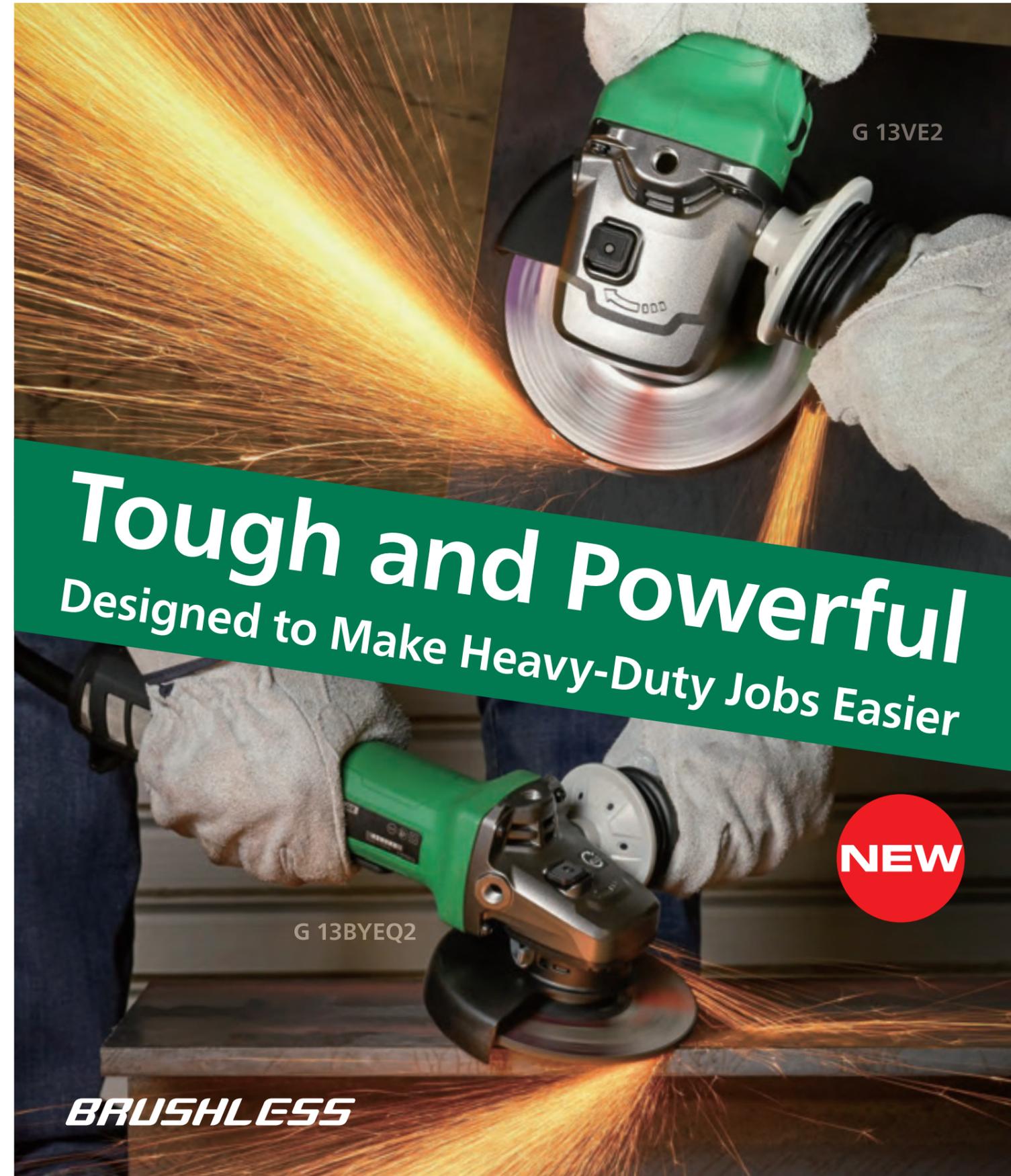
# HIKOKI

## UNLEASH the NEXT

Electronic Disc Grinders

**125mm G 13VE2**

**125mm G 13BYEQ2**



**Tough and Powerful**  
**Designed to Make Heavy-Duty Jobs Easier**

**NEW**

**BRUSHLESS**

# High Power

Max Output

# 1,900W

Max Output

G 13VE2  
New Model

1,900W

Approx.  
**10%**  
Higher

G 13VE  
Conventional Model

1,720W

Overload Capacity\*1

G 13VE2  
New Model

173N

Approx.  
**1.4x**  
More

G 13VE  
Conventional Model

120N

\*1. The values shown are for reference purposes and may vary according to the workpiece materials and other operating conditions.

## Durability to Withstand Rough Jobsite Conditions

### Heavy-Duty Motor

The motor redesigned with new components allows increased durability.

### Long Lasting Controller

The electronic controller is insulated and protected against metallic dust.

**4x**  
More  
Dust  
Resistant

### Dust Resistant Filter

The fine mesh filter of the air inlet drastically increases the dust resistance.

### Standard Accessory

Fine Mesh Dust Filter



\*2. Vs. HIKOKI's G 10VE disc grinder. The value shown is for reference purposes and may vary according to the workpiece materials and other operating conditions.

## Maintenance-Free and Highly Efficient AC Brushless Motor

### 1 Longer Lifetime\*3

The AC brushless motor offers a significantly extended product life cycle by eliminating trouble including armature burnout, layer short or commutator wear even in severe work environments.

### 2 Maintenance-Free

No carbon brush replacement is required, which saves time and cost.

### 3 Stable Operation during Voltage Drop

The performance isn't affected as much by voltage drop from long extension cords on site. This vastly improves electrical efficiency.

### 4 Excellent Grinding Performance with Less Fluctuation in Speed\*3

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

\*3. Compared with HIKOKI brushed disc grinders. \*4. Use an extension cord no longer than 50m.



## Ergonomic Design

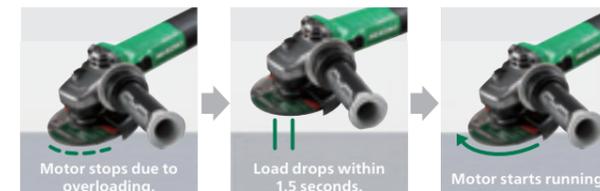
### Small Grip Circumference

For more comfort and control

**56mm**  
Grip Dia.

### NEW 'Continue To Run' Function\*5

Even after the motor has stopped due to overloading, it gets activated automatically if the load decreases within 1.5 seconds, so users do not have to restart the tool manually.



\*5. The motor may not automatically restart when the kick-back protection is activated or for other safety reasons. In that case, the tool needs to be turned off and on manually.

### Variable Speed Control G 13VE2

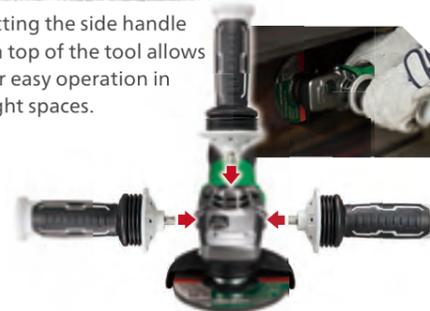
The rotation speed can be adjusted with a dial between 2,500/min and 8,500/min according to the application.

#### Dial Settings and No Load Speeds

Dial	No Load Speed (/min)	Use
1	2,500	Polishing, Finishing
2	3,200	
3	4,700	Removal of Paint or Coat, Removal of Rust, Removal of Burrs
4	6,400	
5	7,700	Grinding
6	8,500	Rough Grinding, Cutting

### 3 Position Side Handle

Fitting the side handle on top of the tool allows for easy operation in tight spaces.



### Tool-less Wheel Guard

The wheel guard can be installed or adjusted just by pulling the quick release lever.



### Easy to Use Switch G 13VE2

The stepped design of the power switch makes it easy to operate.

