

CONCRETE GRINDERS



BG5



BG125



G5



G125



G7



G180



Ø Diameter



125 mm



125 mm



125 mm



125 mm



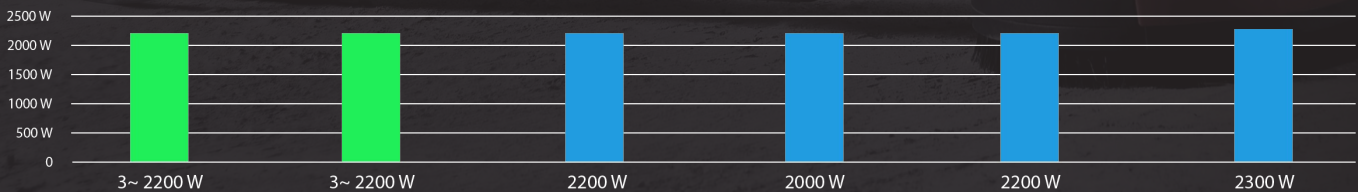
180 mm



180 mm

Power

■ High Frequency Brushless Motor
■ Universal Motor



MODEL / FEATURES	BG5	BG125	G5	G125	G7	G180
MOTOR TYPE	High Frequency	High Frequency	Universal motor	Universal motor	Universal motor	Universal motor
POWER	2200 W	2200 W	2200 W	2000 W	2200 W	2300 W
WHEEL Ø	125 mm	125 mm	125 mm	125 mm	180 mm	180 mm
SPINDLE	M14	M14	M14	M14	M14	M14
ARBOR	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")
SOFT START	Yes	Yes	Yes	Yes	Yes	Yes
OVERLOAD PROTECTION	Yes	Yes	Yes	Yes	Yes	Yes
THERMAL PROTECTION	Yes	Yes	Yes	Yes	Yes	Yes
ANTI-RESTART	Yes	Yes	Yes	Yes	Yes	Yes
CONSTANT SPEED	Yes	Yes	Yes	Yes	Yes	Yes
VARIABLE SPEED	6 Speeds	6 Speeds	Variable Speed	Variable Speed	Variable Speed	Variable Speed
LOAD WARNING LED	Yes	Yes	No	Yes	No	Yes
INGRESS PROTECTION	IP55	IP55	not rated	not rated	not rated	not rated
INSULATION CLASS	Class II	Class II	Class II	Class II	Class II	Class II
EDGE CUT-OUT	Yes	Yes	Yes	Yes	Yes	Yes
SPRING SUSPENSION SKIRT	Yes	Yes	Yes	Yes	Yes	Yes
DUSTPROOF HALL EFFECT SWITCH	Yes	Yes	No	Yes	No	Yes
ADJUSTABLE HANDLE	No	Yes	No	Yes	No	Yes
TROLLEY COMPATIBLE	Yes	No	Yes	No	Yes	No

G5 CONCRETE GRINDER

125 mm, high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and isolation handle mounts protect the operator from vibration. Vertical style design is especially good for grinding floors.



Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. Tool-free sliding cover for edge grinding.
4. Effective dust control skirt with spring suspension and replaceable brush.
5. Anti-Vibration Handles isolate the operator from vibration.
6. Built-in lugs for mounting to the Floor Grinding Trolley.

Standard/ Optional Accessories See p. 73

Model	G5
Power Input	2200 W (220-240 V), 1700 W (110-120 V)
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
*No Load Speeds	4500 - 9500 min ⁻¹
Wheel Diameter	125 mm (5")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Dimensions (LxWxH)	246 x 280 x 325 mm
Weight	5.7 kg (12.6 lb)
Characteristics / Certification	

OPTIONAL ACCESSORIES:



Floor Grinding Trolley

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

G7 CONCRETE GRINDER

180 mm, high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and isolation handle mounts protect the operator from vibration. Vertical style design is especially good for grinding floors.



Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. Tool-free sliding cover for edge grinding.
4. Effective dust control skirt with spring suspension and replaceable brush.
5. Anti-Vibration Handles isolate the operator from vibration.
6. Built-in lugs for mounting to the Floor Grinding Trolley.

Standard/ Optional Accessories See p. 73

Model	G7
Power Input	2200 W (220-240V) , 1700 W (110-120 V)
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
*No Load Speeds	3200 - 6500 min ⁻¹
Wheel Diameter	180 mm (7")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Dimensions (LxWxH)	246 x 280 x 325 mm
Weight	6.0 kg (13.2 lb)
Characteristics / Certification	

OPTIONAL ACCESSORIES:



Floor Grinding Trolley

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

G125 CONCRETE GRINDER

125 mm, compact and high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and the LED Load Indicator allows the operator to work at peak efficiency. Angle style design for general concrete grinding tasks.



Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
4. Waterproof and dustproof Hall-effect switch includes anti-restart function to protect operator in the event of interrupted power supply.
5. Adjustable ergonomic front handle allows clearance for edge grinding.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Tool-free sliding cover for edge grinding.

Standard/ Optional Accessories See p. 73

Model	G125
Power Input	2000 W (230-240 V), 1700 W (220 V), 1500 W (110-120 V)
Voltage, Frequency	230-240 V~ 50-60 Hz, 220 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
*No Load Speeds	4300 - 7200 min ⁻¹
Wheel Diameter	125 mm (5")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Dimensions (LxWxH)	500 x 195 x 175 mm
Weight	4.7 kg (10.3 lb)
Characteristics / Certification	

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

G180 CONCRETE GRINDER

180 mm high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and the LED Load Indicator allows the operator to work at peak efficiency. Angle style design for general concrete grinding tasks.



Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
4. Waterproof and dustproof Hall-effect switch includes anti-restart function to protect operator in the event of interrupted power supply.
5. Adjustable ergonomic front handle allows clearance for edge grinding.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Tool-free sliding cover for edge grinding.

Standard/ Optional Accessories See p. 73

Model	G180
Power Input	2300 W (220-240 V), 2100 W (110-120 V)
Voltage, Frequency	220-240 V~ 50-60 Hz, 110-220 V~ 50-60 Hz
*No Load Speeds	3500 - 5800 min ⁻¹
Wheel Diameter	180 mm (7")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Dimensions (LxWxH)	540 x 210 x 195 mm
Weight	5.6 kg (12.3 lb)
Characteristics / Certification	

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

BG125 HIGH FREQUENCY BRUSHLESS CONCRETE GRINDER & P4K POWER CONVERTER

Angle style 125 mm concrete grinder with super-efficient, high frequency PMSM brushless motor for high performance, long life and long duty cycles. Angle style design is suitable for a wide range of concrete grinding tasks.



P4K



P4K Details See p. 72

This grinder requires the P4K power converter to operate.

Features

1. Constant speed is maintained regardless of load for an even finish.
2. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
3. IP55 waterproof and dustproof construction makes it ideal for grinding hazardous materials.
4. Tool-free sliding cover for edge grinding.
5. Effective dust control skirt with spring suspension and replaceable brush.
6. Adjustable ergonomic front handle allows clearance for edge grinding.
7. Hall effect switch is waterproof and dustproof. It includes anti-restart function to protect operator in the event of interrupted power supply.

Standard/ Optional Accessories See p. 73

Model	BG125
Power Input	2200 W
*No Load Speeds	3550 - 5350 min ⁻¹
Wheel Diameter	125 mm (5")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Ingress Protection	IP55
Dimensions (LxWxH)	455 x 200 x 175 mm
Weight	4.6 kg (10.1 lb)
Characteristics / Certification	



* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

BG5 HIGH FREQUENCY BRUSHLESS CONCRETE GRINDER & P4K POWER CONVERTER

125 mm concrete grinder with super-efficient, high frequency PMSM brushless motor for high performance, long life and long duty cycles. Vertical style design is especially good for grinding floors and the isolation handle mounts protect the operator from vibration.



■ P4K



P4K Details See p. 72

This grinder requires the P4K power converter to operate.

Features

1. Constant speed is maintained regardless of load for an even finish.
2. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
3. IP55 waterproof and dustproof construction makes it ideal for grinding hazardous materials.
4. Tool-free sliding cover for edge grinding.
5. Hall effect switch is waterproof and dustproof. It includes anti-restart function to protect operator in the event of interrupted power supply.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Anti-vibration handle mounts for fatigue free operation.
8. Built-in lugs for mounting to the Floor Grinding Trolley.

Standard/ Optional Accessories See p. 73

Model	BG5
Power Input	2200 W
*No Load Speeds	3850 - 5800 min ⁻¹
Wheel Diameter	125 mm (5")
Soft Start & Overload Protection	With
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Ingress Protection	IP55
Dimensions (LxWxH)	235 x 290 x 235 mm
Weight	5.1 kg (11.3 lb)
Characteristics / Certification	

■ OPTIONAL ACCESSORIES:



Floor Grinding Trolley

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

Versatile Grinding For Professional Results



Grinding Surfaces

For consistent, smooth and even surfaces, BG grinders are ideal for stripping epoxy or urethane resin coatings using PCD wheels. Hard concrete surfaces, whether it be walls floors or ceilings, can be comfortably and efficiently ground using soft bond diamond cup wheels.

Profiling Surfaces

Ideal for grinding screed and tile adhesive using hard-bond diamond cup wheels. Attractive finishes can be achieved on concrete, stone or marble surfaces using the 7 adjustable speed settings of the BG5 and BG125.

IP55 Ingress Protection

Protects both the BG5 and BG125 from water and dust ingress. Both grinders can be thoroughly washed, withstanding low pressure water jets, making them ideal for working with hazardous materials such as asbestos.

Higher Reliability

No carbon brush changes and longer life time.

Dust-resistant

Uniquely designed to prevent dust ingress.

Higher Productivity

More efficient PMSM motor, reducing standard grinding time, saving effort and money.

Adjustable speed

No carbon brush changes and longer life time.

Clog-resistant

Grinds thinly coated materials without clogging the motor.



Features



Edge Grinding

Both models have a tool-free sliding cover, allowing users to effortlessly switch between normal and edge grinding operations.



LED Indicator

The LED indicator helps operators to optimize downward force, improving grinding efficiency by indicating normal load, maximum or exceeded full load. It also displays overheat warning for added safety.

Uniquely Designed For **Maximum Output**



Innovative Dust Skirt

Innovative and effective dust skirt is held in place with automatic spring suspension, adapting to any surface.



Anti-Vibration Mounting

Operators can use the grinders for extended periods due to the anti-vibration mounting design.



Adjustable Handle

The G125, G180, BG125 models come equipped with an adjustable handle allowing extra clearance for edge grinding, thus improving ergonomics and operator comfort.

P4K POWER CONVERTER

Air cooled 4500 W power converter with special circuitry which allows it to accept a **full range of single phase supply voltages from 100 V up to 240 V** at the maximum possible power level.

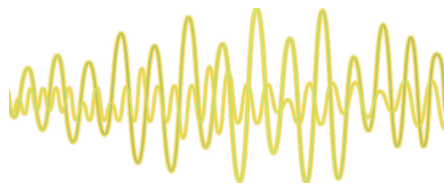
1. Converter can preset various speeds for different applications.
2. 4500 W power converter with special circuitry which allows it to accept single phase 100 V to 240 V and converts it to 3 phase, high frequency to control the motor.
3. Converter with built-in PRCD has full electronic protection for over and under voltage, thermal and current overload.
4. LCD Information Display shows voltage, error codes, and elapsed hours.



Model	P4K
Voltage	100 V-240 V~ 50-60 Hz
Max. Power Input	1~ 4500 W
Max. Power Output	3~ 4000 W
Ingress Protection	IP55
Weight	3.1 kg (6.9 lb)



Application: BG125, BG5



Grinding Accessories

BG125 High Frequency Brushless Concrete Grinder

Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
Hex Key M6	
Optional Accessories	
Various Grits of Diamond Cup Wheel	

BG5 High Frequency Brushless Concrete Grinder

Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
Hex Key M6	
Optional Accessories	
a Floor Grinding Trolley	
Various Grits of Diamond Cup Wheel	



a Floor Grinding Trolley

G5 Concrete Grinder

Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
Hex Key M6	
Optional Accessories	
a Floor Grinding Trolley	
Various Grits of Diamond Cup Wheel	

G7 Concrete Grinder

Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
M6 Hex Key	
Optional Accessories	
a Floor Grinding Trolley	
Various Grits of Diamond Cup Wheel	

G125 Concrete Grinder

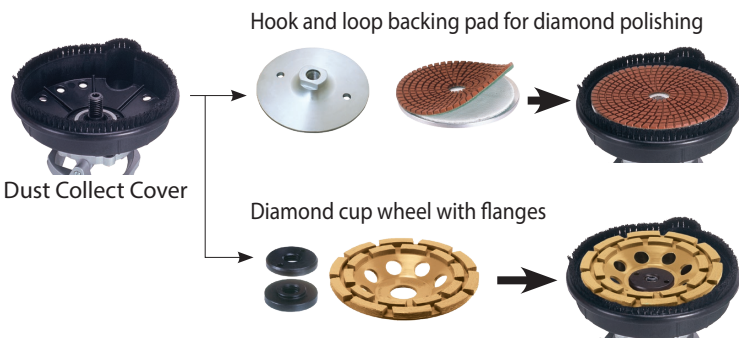
Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
Optional Accessories	
Various Grits of Diamond Cup Wheel	

G180 Concrete Grinder

Standard Accessories	
Lock Nut Wrench	
Face Spanner Wrench	
Optional Accessories	
Various Grits of Diamond Cup Wheel	

LG125 LONG-REACH CONCRETE GRINDER

125 mm long reach grinder for grinding and polishing concrete. A unique tool which allows the operator to grind walls, ceilings, and other hard-to-reach areas with unprecedented ease, while collecting the dust at the same time.



Features

1. Versatility with variable speed adjustment.
2. Motor with soft start & constant speed electronics.
3. Swiveling Bayonet Hose Connector for convenient dust collection.
4. 2-Axis Pivoting Grinding Head with Dust Shroud easy to guide smoothly over the work surface.
5. Soft Grip on column for operator comfort.

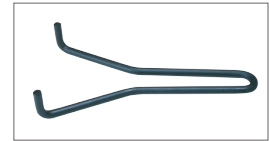
Standard/ Optional Accessories See p. 75

Model	LG125			
Power Input	1200 W	Arbor	22.23 mm (7/8") or 25.4 mm (1")	
Voltage, Frequency	220-240 V~ 50-60 Hz or	Length	1475 mm	
	110-120 V~ 50-60 Hz	Max. Capacity	125 mm	
*No Load Speeds	1700 - 3500 min ⁻¹	Spindle	M14 or 5/8 -11	
Dimensions (LxWxH)	1475 x 197 x 365 mm		Soft Start & Overload Protection	With
Net Weight	3.8 kg (8.4 lb) (Not including Diamond Cup Wheel)	Characteristics / Certification		

* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

LG125 Long-Reach Concrete Grinder

Standard Accessories		
a	Face Spanner Wrench, 78 mm	
	Carry Bag	
	Bail Handle	
b	Vacuum Hose 4 M	
	M17 Wrench	
	Hex Key M6	
d	125 mm Diamond Cup Wheel	
Optional Accessories		
	Part Number	
c	Aluminum Backing Pad (M14)	201-0045-00906-001
	Aluminum Backing Pad (5/8")	201-0045-00906-002



a Face Spanner Wrench



b Vacuum Hose 4m



c Aluminum Backing Pad



d Diamond Cup Wheel

Diamond Cup Wheels

125 mm (5") For G5, G125, BG5, BG125, LG125	Part Number
#60/80 Grit 22.2 mm (7/8") bore	305-00072-000-018
#100/120 Grit 22.2 mm (7/8") bore	305-00072-000-020
180 mm (7") For G7, G180	Part Number
With 22.2 mm (7/8") bore	305-00072-000-011
With 25.4 mm (1") bore	305-00072-000-013
With Female Thread M14	305-00072-000-012