

AGP BG5 & BG125

Brushless Concrete Grinding Solutions



AGP®

Table of Contents

1. BG5 & BG125 Handle the toughest jobs with ease 01

2. BG5, BG125, & P4K specification table 02

3. 2200W Permanent Magnet Synchronous Motor – a revolution in brushless motor technology 03

4. Uniquely Designed for Maximum Output 04

5. Versatile Grinding for Professional Results 06

6. Optimized Dust Removal 07

BG5 & BG125

Handle the toughest jobs with ease



BG125

Powerful and versatile high-frequency grinders, designed for use by professional construction workers to withstand challenging work environments, and to be adapted for a variety of grinding purposes.

With adjustable speed and the robust yet ergonomic design, BG5 and BG125 are truly made for the demands of a modern worksite.



BG5

Power

With 2200W power, the superior PMSM motor delivers 10% higher output than the industry's SR motors. Providing the best in class motor experience.

Precision

The high-frequency motor maintains a constant speed regardless of pressure, resulting in an unmatched smooth and even finish every time you grind.

Performance

Boost productivity and reduce downtime with intelligent LED indication of motor load and temperature conditions. BG5 and BG125 are truly built to last.



P4K

P4K serves as the motor controller and provides the high frequency, 3 phase voltage required for the high-caliber concrete grinding of the BG5 and BG125.

The power supply is universal, accepting single-phase 100V to 240V input. Grinding speed can be pre-set on the LCD display which also displays error information.



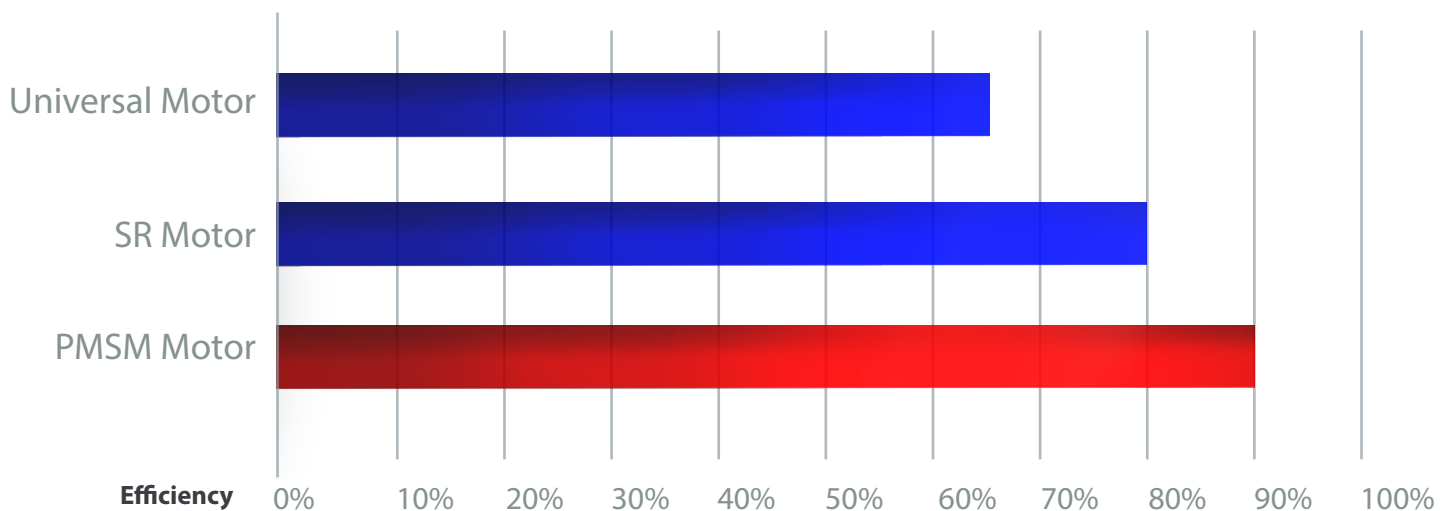
	BG125	BG5
Power Input	3~ 2200W	
No Load/min-1	3550 - 5350	3850 - 5800
Wheel Diameter	125mm (5")	
Arbor	22.23mm (7/8") & 25.4 (1")	
Spindle	M14 or 5/8-11	
Dimensions (LxWxH)(mm)	455 x 200 x 175	235 x 290 x 235
Weight	4.6kg (10.1 Lbs)	5.1kg (11.3 Lbs)
Protection	IP55	

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

2200W Permanent Magnet Synchronous Motor – a revolution in brushless motors

Designed with revolutionary brushless permanent magnet synchronous motors (PMSM), with improved output efficiency, they outperform SR motors. Delivering more input power directly to the work surface.

The PMSM motor also maintains consistent torque even when speed settings are changed, whereas traditional motors lose power and torque in proportion to speed. Consequently making grinding of all mineral materials including stone, granite and concrete light work for BG5 and BG125.



Higher Productivity

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

Higher Reliability

No carbon brush changes and longer life time.

Adjustable speed

7 speed settings to suit any type of job.

Dust-resistant

Uniquely designed to prevent dust ingress.

Clog-resistant

Grinds thinly coated materials without clogging the motor.





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



Suspension Dust Hood

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



Anti-Vibration

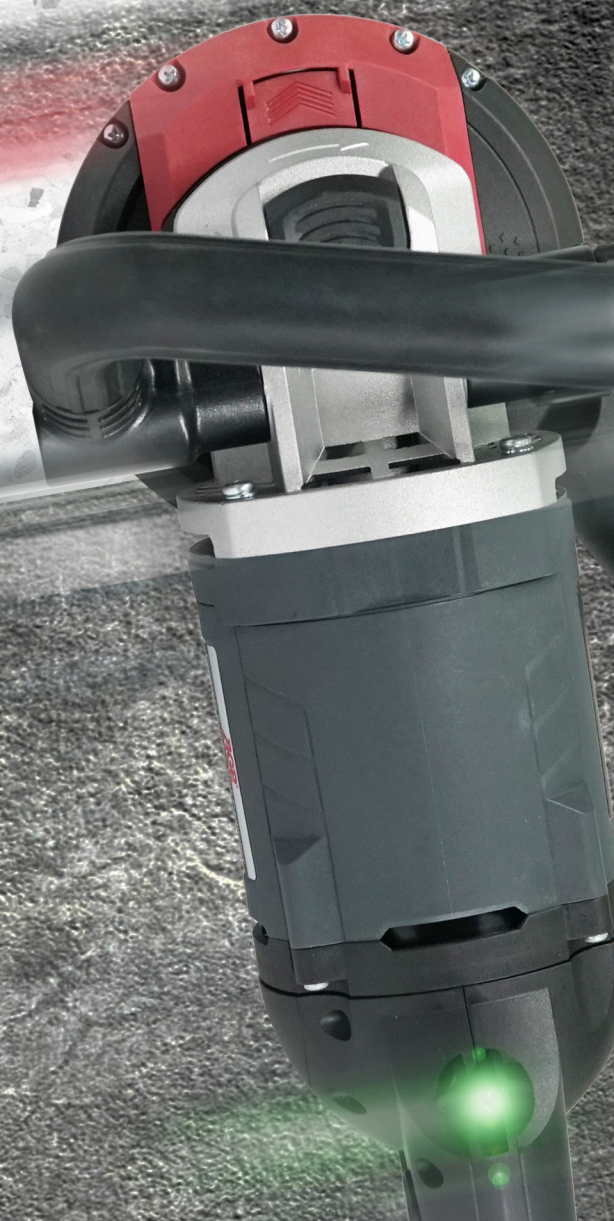
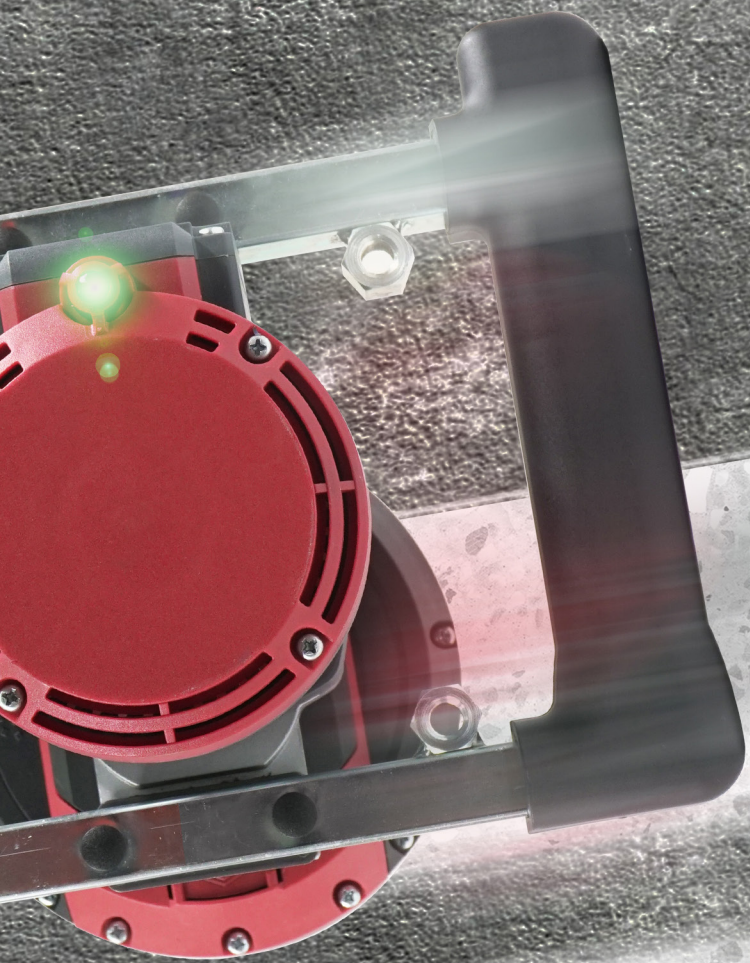
Operators can use the grinders for extended periods due to the anti-vibration mounting design.



Adjustable handle

The BG125 model comes equipped with an adjustable handle allowing extra clearance for edge grinding, thus improving ergonomics and operator comfort.







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.

Versatile Grinding for Professional Results

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.



Optimized Dust Removal

The dust created by surface grinding can be a serious health problem for operator. AGP grinders are specially designed with innovative spring-suspended skirt and hood assembly, for dust extraction through the vacuum port.

Removing more than 90% of the dust, creating a less hazardous and more productive workspace. One of two compatible AGP vacuum cleaners must be used for dust removal.



DS25L Vacuum Cleaner

L-Class wet/dry vacuum cleaner ideally suited for construction and industrial dust and slurry removal.

Efficient	magnetic pulse automatic filter cleaning.
Adaptable	variable speeds for different conditions.
Responsive	auto-start function when grinder is in use.
Smart	over-full indicator and easy storage for accessories.



DS35M Vacuum Cleaner

M-Class wet/dry vacuum cleaner suited for very fine dust and slurry removal.

Efficient	clog-resistant nano-coated main filter and magnetic pulse automatic filter cleaning.
Adaptable	variable speeds for different conditions.
Responsive	auto-start function when grinder is in use.
Smart	over-full indicator and easy storage for accessories.



AGP GLOBAL

No.2, Kejia Rd., Douliu City,
Yunlin County 64057, Taiwan
Website: www.agp-powertools.com
Email: info@agp-powertools.com
Tel: +886-5-5518689 Fax: +886-5-5518635



AGP EUROPE

Evenbroekveld 16D,
Erpe Mere, 9420, Belgium
Website: www.agp-europe.com
Email: info@agp-powertools.eu
Tel: +32 5321 6222 Fax: +32 5383 8820

