

**AGP®**



# G180 Concrete Grinder

Nov. 2024

Internal & Confidential

**AGP** | G180 Concrete Grinder

## AGP TAIWAN

Lee Yeong Industrial Co., Ltd.

No.2, Kejia Rd., Douliu City, 64057, Taiwan

Tel : 886-5-5518689 Fax : 886-5-5518635

## AGP EUROPE BV

Evenbroekveld 16D, 9420 Erpe-Mere, Belgium

Tel : +32 53 21 62 22 Fax : +32 53 83 88 20



# Introduction

## Target group & Applications

### G180 Introduction & Applications

The G180 is an important new member of the AGP concrete grinder product line. It is optimized to use 180mm cup wheels for faster progress on larger areas. Like our 125mm models, the G180 is purpose-built and designed for ideal concrete grinding performance while maintaining strict dust control. The variable constant speed function gives the tool excellent versatility. The constant speed electronics maintain the set speed, regardless of load, giving the smoothest possible finish. Since the offset height of cup wheels varies, we offer a pair of arbor spacers to compensate, as needed, for wheels with less offset. By using different types of diamond cup wheels, a vast array of different tasks can be done; from rough grinding and leveling, to stripping coatings, to surface preparation for applying coatings.

### Target Groups

- Renovation Contractors
- New Construction Contractors
- Tilers and Floor Installers
- Stonemasons
- Specialists



# Sales Arguments



1 LED Indicator



2 Spring Suspension



3 Ergonomic Front Handle



4 Half-Moon Door



5 Variable Constant Speed



6 Special Waterproof Switch

## 1 LED Indicator

LED Indicator for optimizing grinding efficiency with overload and overheat warning.

## 2 Spring Suspension

Outstanding dust control is achieved with the dust skirt with brush and spring suspension. It automatically compensates for irregular height surfaces, keeping the tool level to the work surface.

## 3 Ergonomic Front Handle

Adjustable ergonomic front handle allows clearance for edge grinding.

## 4 Half-Moon Door

Half-Moon Door for grinding up to the edge. The door and dust skirt brushes are fully replaceable.

## 5 Variable Constant Speed

Speed can be adjusted to suit the task at hand. Once set, the speed is electronically stabilized to maintain the speed, regardless of load.

## 6 Special Waterproof Switch

Hall-Effect Switch is completely waterproof and dustproof. Includes anti-restart function.

# Technical Specification

Model	G180
Power Input	220-240 V : 2400 W
	110-120 V : 2100 W
Voltage, Frequency	220-240 V ~ 50-60 Hz
	110-120 V ~ 50-60 Hz
No Load Speed	3500 - 5800 min <sup>-1</sup>
Wheel Diameter	180 mm (7")
Spindle Thread	M14
Arbor	22.23 mm (7/8")
Dimensions	540 x 210 x 195 mm
Weight	5.6 kg (12.3 lb)



- ① Power Supply Cable
- ② Trigger Switch
- ③ Variable Speed Thumbwheel
- ④ Load Warning Lamp
- ⑤ Motor
- ⑥ Knob
- ⑦ Spindle Lock Button
- ⑧ Front Handle
- ⑨ Lock Button
- ⑩ Brush Cover
- ⑪ Dust Port
- ⑫ Dust Skirt
- ⑬ Tab
- ⑭ Half-Moon Door

# Offer Content

## Standard Accessories

- ① G180 Concrete Grinder
- ② Blow Molded Case
- ③ Lock Nut Wrench
- ④ Face Spanner Wrench
- ⑤ Arbor Spacers (2), used to compensate for cup wheels with less offset



① G180 Concrete Grinder



② Blow Molded Case



③ Lock Nut Wrench



④ Face Spanner Wrench



⑤ Arbor Spacers

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## Recommended Item

- ⑥ DS25L Vacuum Cleaner



① G180 Concrete Grinder



② Blow Molded Case



③ Lock Nut Wrench



④ Face Spanner Wrench



⑤ Arbor Spacers



⑥ DS25L Vacuum Cleaner

# Comparison Table

Brand

**AGP**

**FLEX**

**SPARKY**  
PROFESSIONAL

**HiKOKI**  
HIGH PERFORMANCE POWER TOOLS

**BOSCH**

**Makita**

**metabo**  
PROFESSIONAL POWER TOOL SOLUTIONS

180 mm  
Angle Style Concrete  
Grinders



Model	G180	LD 24-6 180	FB 726	G 23UBY (230 mm grinder+Guard)	GWS 22-230 JH (230 mm grinder+Guard)	GA9020R (230 mm grinder+Guard)	W24-230 (230 mm grinder+Guard)
Power input (220-240 V)	2400 W	2400 W	2600 W	2600 W	2200 W	2200 W	2400 W
No Load Speed	3500-5800 min <sup>-1</sup>	6500 min <sup>-1</sup>	6500 min <sup>-1</sup>	6600 min <sup>-1</sup>	6500 min <sup>-1</sup>	6600 min <sup>-1</sup>	6600 min <sup>-1</sup>
Wheel Ø	180 mm	180 mm	180 mm	180 mm	180 mm	180 mm	180 mm
Weight	5.6kg	6.6 kg	7.9 kg	8.5 kg	5.2 kg (w/o guard)	5.8 kg (w/o guard)	5.8 kg (w/o guard)
Spindle	M14	M14	M14	M14	M14	M14	M14
Insulation Class	II	II	II	II	II	II	II
Constant Speed	YES	NO	NO	NO	NO	NO	NO
Variable Speed	YES	NO	NO	NO	NO	NO	NO
Overload Protection	YES	NO	NO	NO	NO	NO	NO
Thermal Protection	YES	NO	NO	NO	NO	NO	NO
LED load indicator	YES	NO	NO	NO	NO	NO	NO
Dustproof Hall-Effect Switch	YES	NO	NO	NO	NO	NO	NO
Spring Suspension	YES	NO	NO	NO	NO	NO	NO
Half-Moon Door	YES	NO	NO	YES, flip-up type	NO	YES	YES, flip-up type
Soft Start	YES	YES	YES	YES	YES	YES	YES
Anti-Restart	YES	YES	YES	YES	YES	YES	YES
Adjustable Handle	YES	YES	NO	YES	YES	YES	YES

**Conclusion** The **AGP** is a purpose-designed concrete grinder, while the others are simply converted angle grinders. The **AGP** has many features which are missing on competitors' machines, like constant speed electronics, variable speed control, LED load indicator, current and thermal overload protection, and spring suspension. It is clearly the superior tool.

# Tool Dimensions (mm)

