



CS11 Concrete Chainsaw

May. 2024

Internal & Confidential

AGP | CS11 Concrete Chainsaw

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

Introduction & Target Group

This saw is an indispensable tool for concrete cutters, construction contractors, remodelers, window installers, stonemasons, and anyone who needs to cut concrete. Its 3200 W motor and electronic controls grant excellent performance, motor protection, and operator useability. It incorporates a variety of useful features to maximize work efficiency, especially its dual-plane spirit levels and bumper spike. Unlike petrol powered chainsaws, it creates no exhaust fumes and so is suitable for indoor use.

Applications

A concrete chainsaw has unique capabilities, being able to perform many types of cuts in reinforced concrete which are not possible with any other method. It enables a very impressive 300 mm depth of cut. It allows corners to be cut cleanly, with no overcuts. It also allows very small cutouts to be made, as small as the width of the guide bar. With patience and skill, it is even possible to make curved cuts. It is perfect for creating door and window openings. It is much safer than a power cutter for cutting concrete pipes.

When a special concrete cutting challenge is encountered, the CS11 wins the day.

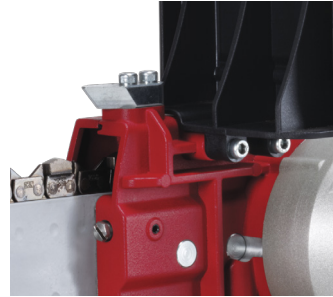


Sales Arguments



Dual Plane Spirit Levels

Dual plane horizontal and vertical spirit levels for precise alignment



Bumper Spike

Bumper Spike for increased leverage



Main Handle Hand Protector

Unique main handle design gives enhanced protection for the operator's right hand from chain breakage



Splash Flap

Flexible splash flap helps contain slurry.



Side Handle with Hand Protector

The ergonomic side handle allows excellent control in many positions and includes a hand protector



Waterproof Hall Effect Switch

Hall Effect Switch is completely waterproof and dustproof

LED Load Indicator

LED Indicator Indicates load conditions

Technical Specifications



Model	CS11
Power Input	220 V: 2800 W (certificate), 3200 W (actual) 110 V: 2600 W (certificate), 3000 W (actual)
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load Speed	9350 min ⁻¹
Linear speed	20.7 m/s (no load), 13.4 m/s (rated)
Guide Bar Nominal Length	330 mm (13")
Diamond Chain	25 link
Max. Cutting Depth	300 mm (11.8")
Insulation Class	Class I, (220-240 V models with PRCD / GFCI)
Dimensions (LxWxH)	630 mm (930 mm with guide bar) x 215 mm x 280 mm
Weight	8.0 kg (17.6 lb), 8.9 kg (19.7 lb) with guide bar & chain

Offer Content

Standard Accessories

- ① CS11 Concrete Chainsaw
- ② Inline PRCD Interrupter
- ③ T-Wrench



Optional Accessory

- ④ Sprocket, 3/8" Pitch
- ⑤ Guide Bar (13")
- ⑥ Diamond Chain (general purpose) (25 link)
- ⑦ Carry Bag



Comparison Table

Brand

AGP

CARDI

Concrete Chainsaws with Universal Motor



Model	CS11	Coccodrillo 35
Power	3200 W	3420 W
No Load Speed	9350 /min	9400 /min
Linear Speed-No Load	20.65 m/s	20.80 m/s
Guide Bar Nominal Size	13"	14"
Depth of Cut	300 mm	350 mm
Sprocket Pitch	3/8"	3/8"
Spirit Levels	Yes 👍	No
LED Load Indicator	Yes 👍	No
Soft Start	Yes	Yes
Overload Protection	Yes 👍	Yes - "electronic clutch" type
Thermal Protection	Yes 👍	No
Waterproof Hall-Effect Switch	Yes 👍	No
Bumper Spike	Yes 👍	No
Weight (w/o bar & chain)	8.9 kg	9.5 kg

Conclusion

Being electric concrete chainsaws with universal motors that run on single phase current, these 2 saws are the only products of their kind available on the market. All other diamond chainsaws are either petrol engine, hydraulic, or high frequency. These 2 saws are somewhat similar in capability. Since the running resistance of a diamond chain pushes the limits of the capability of a universal motor, the extra length of the Cardi bar is overly ambitious and will lead to more easily overloading. Therefore a 13" rather than 14" bar was chosen for the AGP. The AGP has a completely waterproof hall-effect switch, which is also very comfortable to operate. The Cardi does not. The AGP has much superior ergonomics with better designed handles, which give the operator better leverage and control of the saw. The Cardi side handle is especially small and the top handle gives much less leverage with the hands very close together. The AGP has a much better controlled water hose, while the Cardi's hose, being so close to the chain, is at risk of being accidentally cut by the chain and generally get in one's way. The AGP has an LED load warning lamp, which gives the operator very good information about load conditions, while the Cardi does not. The Cardi also lacks thermal protection. The Cardi uses an "electronic clutch" type overload, which restarts the motor automatically when load is reduced. This arrangement is not safe on a hand-held tool in our opinion. It is better to have total control of when the motor restarts after overload.

Tool Dimensions

