

18V Mobile Brushless Angle Grinders

Makita[®]

DGA506
DGA508

BL
MOTOR



Product Objectives

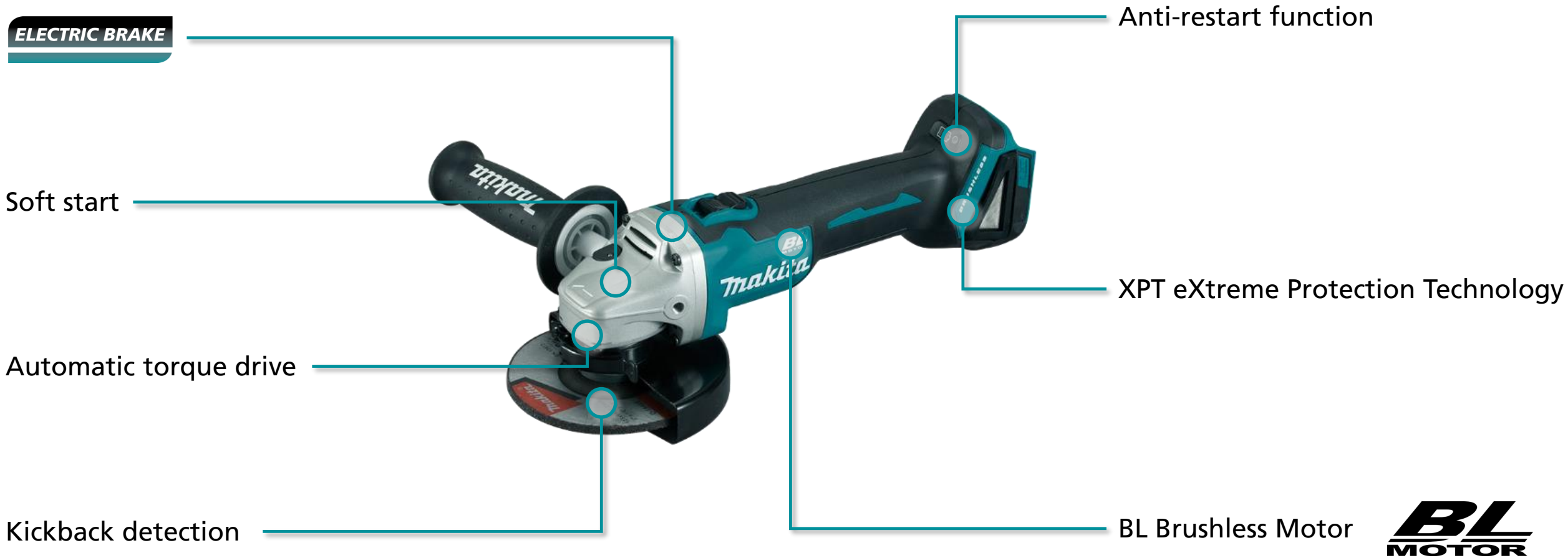


- Develop a 18V mobile brushless 125mm angle grinder that now features an electric brake
- Designed to suit the needs of tradespeople looking for a powerful mobile alternative for grinding and cutting any thing from steel to concrete



Product Overview

Makita



BL
MOTOR

*Model DGA506 displayed above

Product Specification Sheet



	DGA506	DGA508
Wheel size: mm	125mm	
Hole diameter: mm	22.23mm	
No load speed: rpm	8,500	
Switch type:	Slide	Paddle
Electronic current limiter:	Yes	
Soft start:	Yes	
Anti-restart function:	Yes	
Electric brake:	Yes	
Weight: kg	2.5	2.6

- **Electric brake** – quickly slows the wheel rotation to a complete stop after the switch has been disengaged
- **Soft start** – slower initial disc RPM before reaching full speed, to reduce start up shock, ensuring user safety
- **Automatic torque drive** – automatically reduces RPM to increase torque when in tougher conditions
- **Kickback detection** – shuts down the tool to protect the user if the rotation speed suddenly slows down
- **Anti-restart function** – if battery is inserted whilst the switch is engaged the tool will not start. Switch must be released and engaged again
- **XPT eXtreme Protection Technology** – enhances dust and drip resistant performance protecting electrical components
- **BL Brushless Motor** – brushless motor provides the tool with more power and longer runtimes

Advantages



Performance

**BL
MOTOR**

BL Brushless Motor
For more power and longer run times

Control



Automatic Torque Drive
Increases torque to power through the cut

Innovation



Kickback Detection
Stops tool if rotation speed suddenly drops

Efficiency



Electric Brake
Stops the rotation of the wheel rapidly

Electric Brake

Both the DGA506 and DGA508 have been developed with an electric brake

The electric brake has been designed to rapidly slow and stop the rotation of the wheel for increased safety and efficiency. Having the wheel quickly come to a stop allows the user to put the tool down without the risks involved with having the wheel continue to spin whilst on the bench or floor

ELECTRIC BRAKE



XPT – eXtreme Protection Technology

This technology has been designed for use in outdoor applications or harsh environments. XPT provides increased protection for the circuitry from dust and dripping water

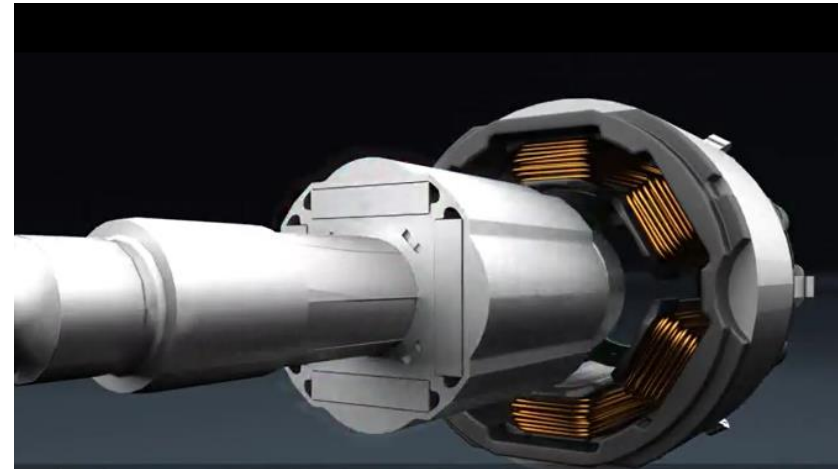
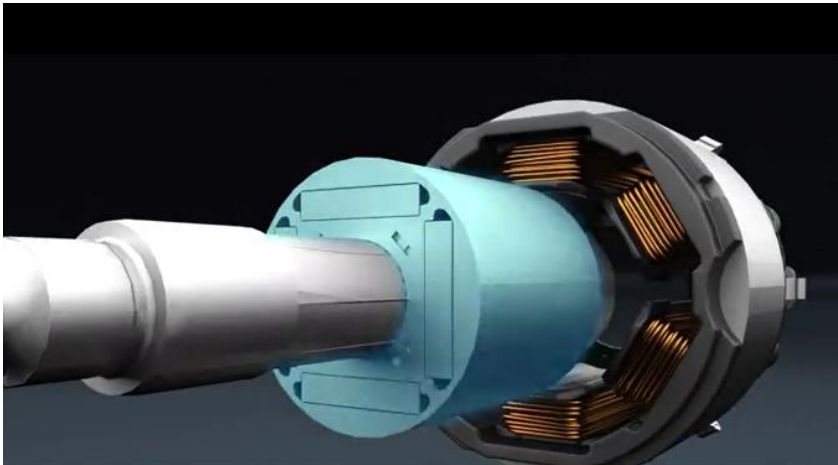
This is achieved by carefully sealing and protecting internal components so that they stay free from exposure of dust and moisture



Makita's patented high performance Brushless DC motor

The BL Brushless Motor produces longer run time than brushed motors. Allows the motor to achieve a higher rpm, due to no friction lost between brush and commutator. Is also more durable as there are no carbon brushes to change

High Power BL52 Brushless Motor can produce high torque equal to that of AC tools. Patented brushless motor features a Bump and Dent design. This design reduces noise and vibration for longer tool life and user comfort



Round VS New Bump and Dent Design

NEW

DGA506 & DGA508



	DGA506	DGA508
Wheel size: mm	125mm	
Hole diameter: mm	22.23mm	
No load speed: rpm	8,500	
Switch type:	Slide	Paddle
Electronic current limiter:	Yes	
Soft start:	Yes	
Anti-restart function:	Yes	
Electric brake:	Yes	
Weight: kg	2.5	2.6

DGA504 & DGA505



	DGA504	DGA505
Wheel size: mm	125mm	
Hole diameter: mm	22.23mm	
No load speed: rpm	8,500	
Switch type:	Slide	Paddle
Electronic current limiter:	Yes	
Soft start:	Yes	
Anti-restart function:	Yes	
Electric brake:	No	
Weight: kg	2.5	2.6



Accessories









Standard Equipment

	A-80656	125mm Inox Grinding wheel
	153489-2	Side grip
	782423-1	Lock nut wrench
	224554-1	Lock nut
	224314-5	Flange
	135108-2	Tool-less wheel guard

Optional Equipment

	B-35449-10 D-20432-10 B-38489-40 D-20323-5	Metal – Cutting and Grinding 125 x 1.6 x 22.23 (10PK) 125 x 2.5 x 22.23 (10PK) 125 x 3.2 x 22.23 (40PK) 125 x 6 x 22.23 (5PK)
	B-46981-10 B-18150-10 D-20535-12 B-27121-5	Inox – Cutting and Grinding 125 x 0.8 x 22.23 (10PK) 125 x 1 x 22.23 (10PK) 125 x 1.2 x 22.23 (12PK) 125 x 6 x 22.23 (5PK)

Optional Equipment

	B-22171-20 B-22187-20 B-22193-20 B-22202-20	Flexible Grinding Wheels – Metal 125 x 3 x 22.23 AC36 (20PK) 125 x 3 x 22.23 AC46 (20PK) 125 x 3 x 22.23 AC60 (20PK) 125 x 3 x 22.23 AC80 (20PK)
	B-22414-20 B-22420-20 B-22436-20 B-22442-20	Flexible Grinding Wheels – Inox 125 x 3 x 22.23 WA36 (20PK) 125 x 3 x 22.23 WA46 (20PK) 125 x 3 x 22.23 WA60 (20PK) 125 x 3 x 22.23 WA80 (20PK)
	D-20482-10 D-20373-5	Masonry – Cutting and Grinding 125 x 3 x 22.23 (10PK) 125 x 6 x 22.23 (5PK)
	B-46333	Ultra Thin Diamond Blade – Porcelain 125 x 1.4 x 22.23
	122688-7	125mm Wheel guard for cutting discs
	196845-3	125mm Dust collecting wheel guard