



## Cordless Angle Grinder Series



### Slide Switch Type

Standard equipment : Grinding Wheel, Wheel Cover, Side Grip, Lock Nut Wrench, Battery, Charger

	DGA414 <b>AWS</b> <b>BRAKE</b>	DGA464 <b>AWS</b> <b>BRAKE</b>	DGA514 <b>AWS</b> <b>BRAKE</b>
Wheel Diameter	100 mm (4")	115 mm (4-1/2")	125 mm (5")
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500
Vibration Level	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less
Sound Pressure Level	80 dB(A)	79 dB(A)	79 dB(A)
Dimensions (L x W x H)	with BL1815N / BL1820B: 368x117x147 mm (14-1/2"x4-5/8"x5-3/4") with BL1830B / BL1840B / BL1850B / BL1860B: 382x117x147 mm (15"x4-5/8"x5-3/4")	with BL1815N / BL1820B: 368x130x151 mm (14-1/2"x5-1/8"x5-15/16") with BL1830B / BL1840B / BL1850B / BL1860B: 382x130x151 mm (15"x5-1/8"x5-15/16")	with BL1815N / BL1820B: 368x140x151 mm (14-1/2"x5-1/2"x5-15/16") with BL1830B / BL1840B / BL1850B / BL1860B: 382x140x151 mm (15"x5-1/2"x5-15/16")
Net weight	DGA414: 2.2 - 2.8 kg (4.9 - 6.3 lbs.) DGA413: 2.2 - 2.8 kg (4.9 - 6.2 lbs.)	DGA464: 2.3 - 3.0 kg (5.2 - 6.7 lbs.) DGA463: 2.3 - 3.0 kg (5.1 - 6.7 lbs.)	DGA514: 2.4 - 3.0 kg (5.2 - 6.7 lbs.) DGA513: 2.4 - 3.0 kg (5.2 - 6.7 lbs.)

	DGA412 <b>AWS</b>	DGA462 <b>AWS</b>	DGA512 <b>AWS</b>
Wheel Diameter	100 mm (4")	115 mm (4-1/2")	125 mm (5")
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500
Vibration Level	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less
Sound Pressure Level	80 dB(A)	79 dB(A)	79 dB(A)
Dimensions (L x W x H)	with BL1815N / BL1820B: 368x117x140 mm (14-1/2"x4-5/8"x5-1/2") with BL1830B / BL1840B / BL1850B / BL1860B: 382x117x140 mm (15"x4-5/8"x5-1/2")	with BL1815N / BL1820B: 368x130x145 mm (14-1/2"x5-1/8"x5-3/4") with BL1830B / BL1840B / BL1850B / BL1860B: 382x130x145 mm (15"x5-1/8"x5-3/4")	with BL1815N / BL1820B: 368x140x145 mm (14-1/2"x5-1/2"x5-3/4") with BL1830B / BL1840B / BL1850B / BL1860B: 382x140x145 mm (15"x5-1/2"x5-3/4")
Net weight	DGA412: 2.2 - 2.8 kg (4.9 - 6.3 lbs.) DGA411: 2.2 - 2.8 kg (4.8 - 6.1 lbs.)	DGA462: 2.3 - 3.0 kg (5.1 - 6.6 lbs.) DGA461: 2.3 - 3.0 kg (5.1 - 6.6 lbs.)	DGA512: 2.3 - 3.0 kg (5.2 - 6.6 lbs.) DGA511: 2.3 - 3.0 kg (5.1 - 6.6 lbs.)



### Paddle Switch Type

Standard equipment : Grinding Wheel, Wheel Cover, Side Grip, Lock Nut Wrench, Battery, Charger

	DGA418 <b>AWS</b> <b>BRAKE</b>	DGA468 <b>AWS</b> <b>BRAKE</b>	DGA518 <b>AWS</b> <b>BRAKE</b>
Wheel Diameter	100 mm (4")	115 mm (4-1/2")	125 mm (5")
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500
Vibration Level	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s <sup>2</sup> Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s <sup>2</sup> or less
Sound Pressure Level	80 dB(A)	80 dB(A)	79 dB(A)
Dimensions (L x W x H)	with BL1815N / BL1820B: 368x117x146 mm (14-1/2"x4-5/8"x5-3/4") with BL1830B / BL1840B / BL1850B / BL1860B: 382x117x146 mm (15"x4-5/8"x5-3/4")	with BL1815N / BL1820B: 368x130x151 mm (14-1/2"x5-1/8"x6") with BL1830B / BL1840B / BL1850B / BL1860B: 382x130x151 mm (15"x5-1/8"x6")	with BL1815N / BL1820B: 368x140x151 mm (14-1/2"x5-1/2"x6") with BL1830B / BL1840B / BL1850B / BL1860B: 382x140x151 mm (15"x5-1/2"x6")
Net weight	DGA418: 2.2 - 2.9 kg (5.0 - 6.3 lbs.) DGA417: 2.2 - 2.9 kg (4.9 - 6.3 lbs.)	DGA468: 2.4 - 3.1 kg (5.2 - 6.8 lbs.) DGA467: 2.4 - 3.1 kg (5.2 - 6.7 lbs.)	DGA518: 2.4 - 3.1 kg (5.3 - 6.8 lbs.) DGA517: 2.4 - 3.1 kg (5.2 - 6.7 lbs.)

### Product Comparison List

Model No.			No load speed (rpm)	Switch	AWS	BL motor	AFT	ADT	Brake	XPT	Anti-restart function
100mm	115mm	125mm									
DGA414 <b>NEW</b>	DGA464 <b>NEW</b>	DGA514 <b>NEW</b>	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA413 <b>NEW</b>	DGA463 <b>NEW</b>	DGA513 <b>NEW</b>	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA412 <b>NEW</b>	DGA462 <b>NEW</b>	DGA512 <b>NEW</b>	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA411 <b>NEW</b>	DGA461 <b>NEW</b>	DGA511 <b>NEW</b>	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA406	DGA456	DGA506	8,500	Slide	●	●	●	●	●	●	●
DGA404	DGA454	DGA504	8,500	Slide	●	●	●	●	●	●	●
DGA418 <b>NEW</b>	DGA468 <b>NEW</b>	DGA518 <b>NEW</b>	3,000 - 8,500	Paddle	●	●	●	●	●	●	●
DGA417 <b>NEW</b>	DGA467 <b>NEW</b>	DGA517 <b>NEW</b>	3,000 - 8,500	Paddle	●	●	●	●	●	●	●
DGA408	DGA458	DGA508	8,500	Paddle	●	●	●	●	●	●	●
DGA405	DGA455	DGA505	8,500	Paddle	●	●	●	●	●	●	●

The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combination, according to EPTA-Procedure 01/2014, are shown in the table. Items of standard equipment and specifications may vary by country or area.



**VARIABLE SPEED CONTROL**



Auto-start Wireless System



Makita Corporation

3-11-8 Sumiyoshi-cho, Anjo, Aichi, 446-8502 Japan

PRINTED IN JAPAN 201712



# Switch on the tool



# Vacuum cleaner is activated



Auto-start Wireless System

Compatible model:  
DGA414, DGA464, DGA514,  
DGA412, DGA462, DGA512,  
DGA418, DGA468, DGA518



### DGA512

Dust collecting wheel guard is optional accessory



### Cordless Vacuum Cleaner (Dry) DVC864L



### Wireless unit is compatible with all supported tools

Wireless unit (Option)

198901-5  
198900-7(EU)



The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Makita is under license. Other trademarks and trade names are those of their respective owners.

### Expanding AWS Line-up



## Variable speed control dial (3,000 - 8,500 RPM)

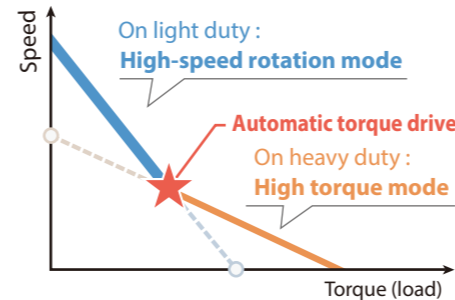
Match the speed to your application.



	No load speed (RPM)	Cutting / Rough grinding	Grinding / Finish grinding	Rust removal / Paint removal	Stainless steel polishing
1	3,000				●
2	4,500			●	●
3	6,000		●	●	●
4	7,500		●		
5	8,500	●			

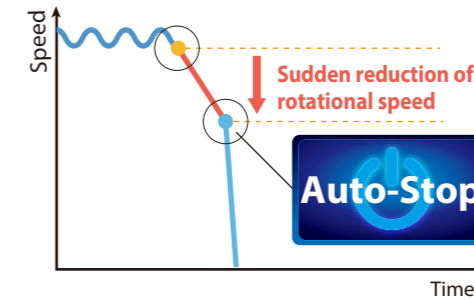
## ADT

**Automatic torque Drive Technology** automatically changes the cutting speed according to load conditions for an optimum operation



## AFT

**Active Feedback sensing Technology** Shuts down the tool, if the rotation speed suddenly slows down.



**Electric brake** maximizes productivity and increases safety for operator



**Extreme Protection Technology** is engineered for improved dust and water resistance

### Accessories



Dust collecting wheel guard  
115 - 125mm 196845-3  
115 - 125mm 195238-1

Wheel cover for cut-off wheel  
100mm : 122909-7  
115mm : 122910-2  
125mm : 122911-0, 122905-5(up to 180mm)

Anti Vibration soft grip  
194514-0

### Li-ion Battery, Charging Time Chart (approx): min.

18V LITHIUM-ION	BL1815N 1.5Ah	BL1820B 2.0Ah	BL1830B 3.0Ah	BL1840B 4.0Ah	BL1850B 5.0Ah	BL1860B 6.0Ah
DC18RC DC18RD Two port multi Fast Charger	15 min	24 min	22 min	36 min	45 min	55 min
DC18SD	30 min	45 min	60 min	90 min	110 min	130 min

