



Cordless Angle Grinder Series



Slide Switch Type

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

	DGA414	DGA413	DGA464	DGA463	DGA514	DGA513	
Wheel Diameter	100 mm (4")	100 mm (4")	115 mm (4-1/2")	115 mm (4-1/2")	125 mm (5")	125 mm (5")	
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500	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 ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	
Sound Pressure Level	80 dB(A)	80 dB(A)	79 dB(A)	79 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: 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: 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")	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")	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.)	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.)	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.)	DGA514: 2.4 - 3.0 kg (5.2 - 6.7 lbs.) DGA513: 2.4 - 3.0 kg (5.2 - 6.7 lbs.)	

	DGA412	DGA411	DGA462	DGA461	DGA512	DGA511
Wheel Diameter	100 mm (4")	100 mm (4")	115 mm (4-1/2")	115 mm (4-1/2")	125 mm (5")	125 mm (5")
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500	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 ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.0 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less
Sound Pressure Level	80 dB(A)	80 dB(A)	79 dB(A)	79 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: 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: 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")	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 (4.8 - 6.1 lbs.) DGA411: 2.2 - 2.8 kg (4.8 - 6.1 lbs.)	DGA412: 2.2 - 2.8 kg (4.8 - 6.1 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.)	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 (5.1 - 6.6 lbs.) DGA511: 2.3 - 3.0 kg (5.1 - 6.6 lbs.)	DGA512: 2.3 - 3.0 kg (5.1 - 6.6 lbs.) DGA511: 2.3 - 3.0 kg (5.1 - 6.6 lbs.)

Paddle Switch Type

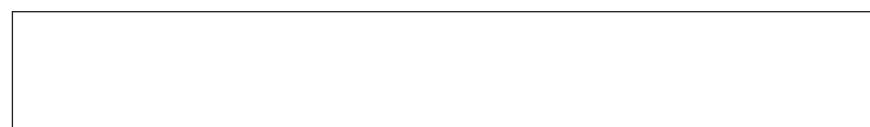
Standard equipment : Grinding Wheel, Wheel Cover, Side Grip, Lock Nut Wrench, Battery, Charger

	DGA418	DGA417	DGA468	DGA467	DGA518	DGA517	
Wheel Diameter	100 mm (4")	100 mm (4")	115 mm (4-1/2")	115 mm (4-1/2")	125 mm (5")	125 mm (5")	
No Load Speed (RPM)	3,000 - 8,500	3,000 - 8,500	3,000 - 8,500	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 ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	Surface Grinding with Anti-Vibration Side Grip: 4.5 m/s ² Disc Sanding with Anti-Vibration Side Grip: 2.5 m/s ² or less	
Sound Pressure Level	80 dB(A)	80 dB(A)	80 dB(A)	80 dB(A)	79 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: 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: 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")	with BL1815N / BL1820B: 368x140x151 mm (14-1/2"x5-1/2"x6") with BL1830B / BL1840B / BL1850B / BL1860B: 382x140x151 mm (15"x5-1/2"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.)	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.)	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.)	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 NEW	DGA464 NEW	DGA514 NEW	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA413 NEW	DGA463 NEW	DGA513 NEW	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA412 NEW	DGA462 NEW	DGA512 NEW	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA411 NEW	DGA461 NEW	DGA511 NEW	3,000 - 8,500	Slide	●	●	●	●	●	●	●
DGA406	DGA456	DGA506	8,500	Slide	●	●	●	●	●	●	●
DGA404	DGA454	DGA504	8,500	Slide	●	●	●	●	●	●	●
DGA418 NEW	DGA468 NEW	DGA518 NEW	3,000 - 8,500	Paddle	●	●	●	●	●	●	●
DGA417 NEW	DGA467 NEW	DGA517 NEW	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.



Makita Corporation

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VARIABLE SPEED CONTROL



Auto-start Wireless System



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



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

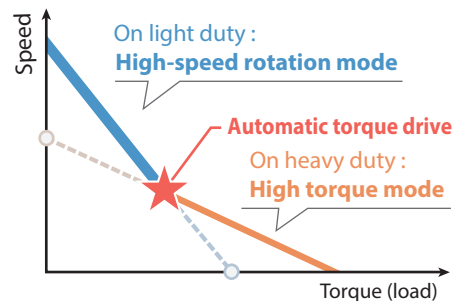
Match the speed to your application.



	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	●			

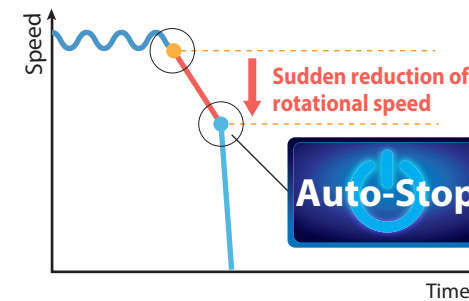
ADT

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

Wheel cover for cut-off wheel
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

Wireless unit is compatible with all supported tools

Wireless unit (Option)
198901-5
198900-7(EU)



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Expanding AWS Line-up



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