



DMC6D Wet And Dry Drilling Motor

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Internal & Confidential

AGP | DMC6D Wet And Dry Drilling Motor

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Introduction

Target group & Applications

DMC6D Introduction

This is a very versatile 2200 W core drilling motor with 3-speed oil-bath gearbox which is primarily for wet drilling up to 162mm in reinforced concrete, but which can also be used for dry drilling up to 202mm in materials such as brick. It has a convertible port on the aluminum gearcase so the operator can choose between water feed and dust collection. It can be used either hand-held or mounted to a drill stand. With its all-metal construction, this is a heavy-duty coring motor with outstanding mechanical strength and heat tolerance.

Target Groups and Applications

This tool is intended for heavy-duty applications, such as for equipping professional drilling companies, and it will also be a great choice for operators such as general construction personnel, or anyone who needs to drill a wide range of sizes in both reinforced concrete and brick. It will be most suited to operators who need a capable tool which is built to withstand intensive use and long duty cycles. This tool is intended for a user who primarily needs to drill wet in reinforced concrete, and who may also need to occasionally drill dry in brick.



Sales Arguments



Heavy-Duty Gearbox

Oil bath, 3-speed gearbox with mechanical clutch for heavy-duty use.



LED Load Indicator

LED load indicator to give the operator reliable guidance on load conditions.



Special Waterproof Switch

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



Integrated Convertible Port

Convertible port allows quick change from water feed for wet drilling, to through-the-spindle dust collection for dry drilling.



Spirit Levels

Vertical and horizontal Spirit Levels allow operators to create precisely aligned holes



Anti-Seize ring

Standard equipment anti-seize ring prevents the bit from becoming stuck on the spindle.

Technical Specification

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Model	DMC6D
Power Input	2200 W (230-240 V)
	2000 W (220 V)
	1700 W (110-120 V)
Voltage, Frequency	230-240 V~ 50-60 Hz
	220 V ~ 50-60 Hz or
	110-120 V~ 50-60 Hz
No Load Speeds	930 / 1520 / 4270 min ⁻¹
Rated Load Speeds	560 / 910 / 2560 min ⁻¹
Capacity-Wet	162 mm (6-1/2")
Capacity-Dry	202 mm (8")
Gear Oil Type	80W-90
Gear Oil Capacity	200 ml
Spindle Thread External / Internal	1-1/4" UNC male & 1/2" BSP female
Neck Diameter	60 mm
Dimensions (LxWxH)	437 x 115 x 289 mm
Weight	6.4 kg (14.1 lb)

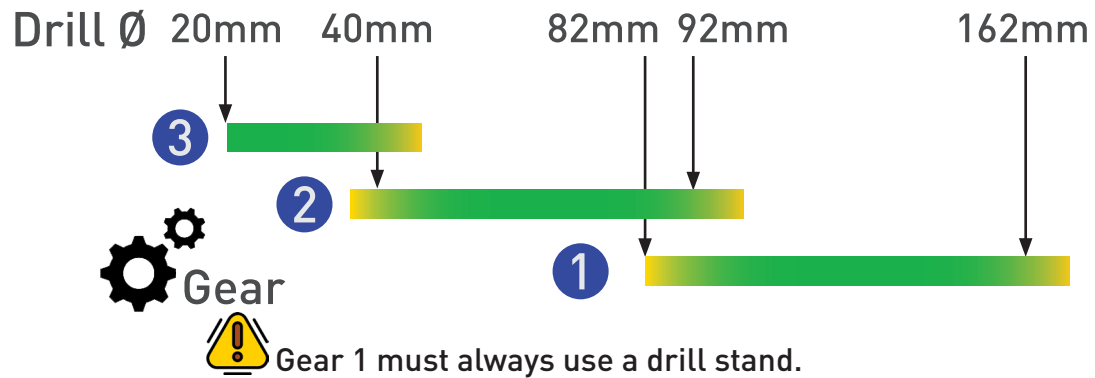


- ① Spindle 1-1/4"UNC & 1/2"BSP
- ② Anti-Seize Ring
- ③ Spirit Level
- ④ LED Load Indicator
- ⑤ Lock Button
- ⑥ Trigger Switch
- ⑦ Main Handle
- ⑧ Gear Selector

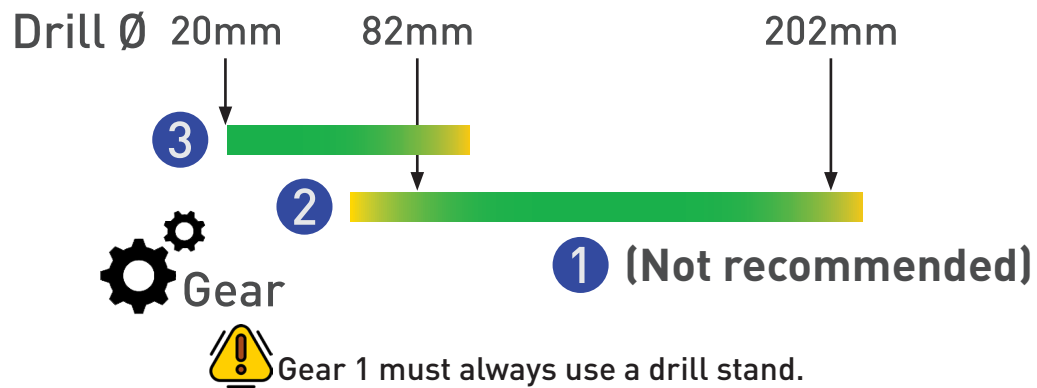
- ⑨ Side Handle Assy.
- ⑩ Water Feed Adaptor Head
- ⑪ Water Feed Valve
- ⑫ Vacuum Adaptor Head

Ideal Operating Window

Wet Drilling in Reinforced Concrete



Dry Drilling in Brick



Offer Content

Standard Accessories

- ① DMC6D Wet And Dry Drilling Motor
- ② Side Handle
- ③ Brass Claw-Type Vacuum Adaptor Head
- ④ Brass Claw-Type Water Supply Kit
- ⑤ M32 Wrench
- ⑥ Blow Molded Case

Optional Accessory

- ⑦ SDS Pilot Drill Socket
- ⑧ Soft-Grip Side Handle
- ⑨ Centering Pilot for L 300 mm Bits



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Comparison Table

Brand



Hand-Held Wet / Dry
Core Drilling



Model No.	DMC6D	DK17	DM 220	T1 ME-EL	DME20PU	ETN 162/3	DD 150-U
Power Input	230 V: 2 200 W	230 V: 2 000 W	230 V: 1 850 W	230 V: 2 200 W	230 V: 2 000 W	230 V: 2 000 W	230 V: 2 200 W
Rated Load Speed	Gear 1: 560 /min Gear 2: 910 /min Gear 3: 2560 /min	Gear 1: 540 /min Gear 2: 1200 /min Gear 3: 2520 /min	Gear 1: 580 /min Gear 2: 1400 /min Gear 3: 2900 /min	Gear 1: 530 /min Gear 2: 1280 /min Gear 3: 1780 /min	Gear 1: 520 /min Gear 2: 1400 /min Gear 3: 2900 /min	Gear 1: 0-510 /min Gear 2: 0-1150 /min Gear 3: 0-2500 /min	Gear 1: 507 /min Gear 2: 988 /min Gear 3: 1853 /min
Claimed Capacity-Wet	162 mm	160 mm	150 mm	182 mm	Rig-Mounted: 180 mm 162 mm		Rig-Mounted: 162 mm
Claimed Capacity-Dry	202 mm	200 mm		202 mm		202 mm	
Spindle	1-1/4" & 1/2" BSP	1-1/4" & 1/2" BSP	1-1/4" & 1/2" BSP	1-1/4" & 1/2" BSP	1-1/4" & 1/2" BSP	1-1/4" & 1/2" BSP	BI+
Gearbox Lubrication	Oil Bath	Oil Bath	Oil Bath	Oil Bath	Oil Bath	Oil Bath	Oil Bath
LED Load Indicator	Yes	No	No	No	Yes	Yes	Yes
Anti-Seize Ring	Yes	Yes	No	Optional	No	No	N/A
Spirit Levels	Vertical & Horizontal	Vertical & Horizontal	LED Electronic Type	No	Vertical & Horizontal	Vertical & Horizontal	No
In-Line Side Handle	Yes	Yes	Yes	No, Offset	No, Offset	No, Offset	Yes
Waterproof / Dustproof Switch	Yes, Hall-Effect Type	No, Traditional Type	No, Traditional Type	No, Traditional Type	No, Traditional Type	No, Traditional Type	No, Traditional Type
Motor Housing Material	Aluminum	Aluminum	Plastic	Aluminum	Aluminum	Plastic	Plastic
Weight	6.4 kg	6.3 kg	7.0 kg	7.3 kg	6.5 kg	6.7 kg	8.2 kg
Remarks	Aluminum construction, Full Featured, Hall-Effect Switch	No LED load indicator	Electronic levels, SmartStart function [slow start]	No LED load indicator, no spirit levels	LED load indicators	LED load indicator, service indicator, variable speed trigger	LED load indicator, quick-release spindle
Conclusion	The AGP combines light weight with high power output. Although some brands may claim higher capacity, in reality not one of these tools can outperform the AGP . Top quality materials are used, such as the all-aluminum construction, and the brass water and vacuum claw-type couplings. There are useful features, such as the in-line side handle, spirit levels, and anti-seize ring. The Hall-effect switch is the most advanced type, being impervious to water or dust, while having no wearing contacts. These factors combine to make the AGP the highest value and best performing tool in this comparison.						

Tool Dimensions (mm)

