

AGP®



DMC6P Wet And Dry Drilling Motor

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AGP® | DMC6P Wet And Dry Drilling Motor

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Introduction

Target group & Applications

DMC6P 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.



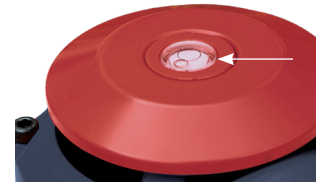
Special Waterproof Switch

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

Technical Specification

| | |
|---------------------------------------|-------------------------------------|
| Model | DMC6P |
| 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 |
| | 110-120 V~ 50-60 Hz ^{or} |
| 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) |

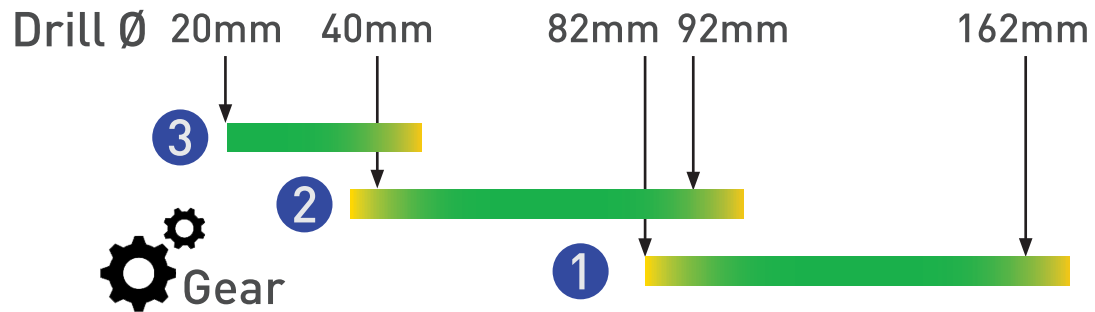
- ① Spindle 1-1/4"UNC & 1/2"BSP
- ② Anti-Seize Ring
- ③ Spirit Level
- ④ LED Load Indicator
- ⑤ Lock Button
- ⑥ Trigger Switch
- ⑦ Main Handle
- ⑧ Gear Selector



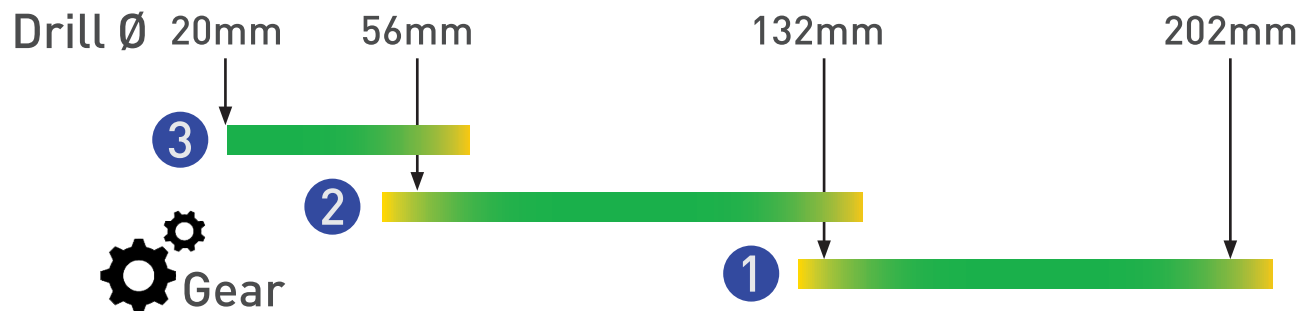
- ⑨ Side Handle Assy.
- ⑩ Water Feed Adaptor Head
- ⑪ Water Feed Valve
- ⑫ Vacuum Adaptor Head

Ideal Operating Window

Wet Drilling in Reinforced Concrete



Dry Drilling in Brick



Offer Content

Standard Accessories

- ① DMC6P 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



③



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⑨

Comparison Table

Brand



Hand-Held Wet / Dry
Core Drilling

| Model No. | DMC6P | 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)

