

AGP®



DD62

Diamond Core Drilling Motor

For Dry Drilling of Reinforced Concrete

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Internal & Confidential

AGP® | DD62 Dry Drilling Motor

AGP TAIWAN

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Introduction

Target group & Applications

DD62 Introduction

This is a special 2200 W core drilling motor with 2-speed oil-bath gearbox which is primarily for dry drilling up to 162mm in reinforced concrete, but which can also be used for dry drilling up to 262mm in materials such as brick. While dry drilling of brick is very common, dry drilling of reinforced concrete is a relatively new technology which has only been made possible by new types of core bits. This tool is specifically designed to optimally perform with these new bits.

The gearbox features a mechanical clutch and employs switchable soft percussion function which assists in drilling efficiency. This tool must always be used together with a vacuum cleaner. It can be used either hand-held or mounted to a drill stand, but we recommend to always use it on the drill stand when drilling reinforced concrete. With its all metal construction, it is built for heavy duty operation.

Target Groups and Applications

The DD62 is an excellent choice for operators who need to drill in situations where water cannot or should not be used, such as in occupied buildings or in constructions where there is a combination of wood and stone. New advances in the development of dry drill bits now allow for easy drilling in a variety of building materials from reinforced concrete to brick.

The DD62 serves many applications that require drilling into reinforced concrete as well as into brick, silicate stone, and concrete blocks. It is designed to meet the requirements of new building standards imposed for the protection of the climate, requiring many cut-outs for the installation of ventilation equipment and air conditioning. The DD62 is also ideally suited for drilling companies preparing recesses for electrical outlets and light switches for industrial electricians. In addition, dry overhead drilling with the DD62 is much lighter, faster and just as precise when compared to wet drilling.

The DD62 is a useful addition to the equipment of specialist drilling companies and general construction companies, or anyone who needs an intensive-use dry drill motor for both reinforced concrete and brick.



Sales Arguments



Switchable Soft Percussion
Keeps diamond segments sharp and assists the general efficiency of the dry drilling process.



Heavy-Duty Gearbox
Oil bath, 2-speed gearbox with mechanical clutch for heavy-duty use.



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



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



Special Dustproof Switch
Hall Effect Switch is completely dustproof, and is even waterproof. Includes anti-restart function.



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

Technical Specification

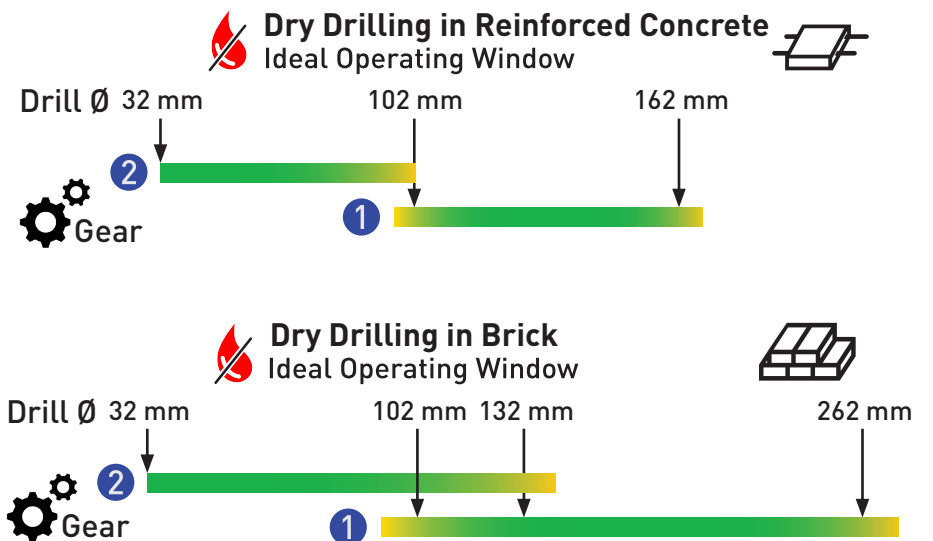
Technical Specification

Model	DD62
Power Input	230 - 240 V: 2200 W
	220 V : 2000 W
	110 - 120 V: 1700 W
Voltage, Frequency	110-120 V~ 50-60 Hz or
	230-240 V~ 50-60 Hz
No Load Speeds	1250 / 1900 min ⁻¹
Rated Load Speeds	750 / 1140 min ⁻¹
Percussion Frequency, No Load	25,000 / 38,000 b/min
Percussion Frequency, Rated Load	16,250 / 24,700 b/min
Capacity-Dry (Reinforced Concrete)	162 mm (6-1/2")
Capacity-Dry (Brick)	262 mm (10")
Gear Oil Type	80W-90
Gear Oil Capacity	200 ml
Arbor Thread	1 1/4" UNC & 1/2" BSP
Neck Diameter	60 mm
Dimensions (LxWxH)	530 x 130 x 215 mm
Weight	6.5 kg (14.3 lb)



- 1 Side Handle Assy.
- 2 Tubular Spirit Level
- 3 LED Load Indicator
- 4 Hall Effect Switch
- 5 Main Handle
- 6 Percussion Selector
- 7 Gear Selector
- 8 Anti-Seize Ring
- 9 Spindle 1-1/4"UNC & 1/2"BSP
- 10 Lock Button

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Offer Content

Standard Accessories

- ① DD62 Dry Drilling Motor
- ② Soft Grip Side Handle
- ③ M32 Wrench
- ④ Blow Molded Case

Optional Accessories





- ⑤ Centering Pilot



Comparison Table

Brand								
Special Dry Drilling of Reinforced Concrete with Percussion								
Model No.	DD62	DKS 15P	DKS 15L (aluminum version)	BDB 829	BDB 825	DP 2200 MA-16	ESD 162	FBS16
Power	230-240 V: 2200 W 	230 V: 2000 W	230 V: 2000 W	230 V: 2150 W	230 V: 1800 W	230 V: 2200 W	230 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	Gear 1: 700 /min Gear 2: 1700 /min	Gear 1: 540 /min Gear 2: 1200 /min	Gear 1: 725 /min Gear 2: 1500 /min	748 /min	880 /min	0-1100 /min	1100 /min
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	Gear 1: 14 000 bpm Gear 2: 34 000 bpm	Gear 1: 10 800 bpm Gear 2: 24 000 bpm	Gear 1: 14 500 bpm Gear 2: 30 000 bpm	18 000 bpm	21 000 bpm	22 000 bpm	22 000 bpm
Insulation Class	Class 2	Class 1	Class 1	Class 2	Class 2	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm 	150 mm	180 mm	200 mm	160 mm	152 mm	162 mm (202 mm max.)	162 mm
Capacity-Dry, Brick	262 mm 	180 mm	200 mm	250 mm	200 mm	202 mm	202 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led indicator	Yes 	No	No	Yes (on left side of handle)	Yes (on left side of handle)	No	Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes 	No	No	No	No	Optional	Optional	No
Integrated Dust Collection	Yes 	No (external)	No (external)	No (external)	No (external)	Yes	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof 	Standard Type	Standard Type	Standard Type	Standard Type	Standard Type	Standard Type, Variable	Standard Type
Locking Gear Lever	Yes 	No	No	No	No	No	No	No

Comparison Table

Brand								
Special Dry Drilling of Reinforced Concrete with Percussion								
Model No.	DD62	DKS 15P	DKS 15L (aluminum version)	BDB 829	BDB 825	DP 2200 MA-16	ESD 162	FBS16
Levels	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Soft-Grip Rubber Handle	Yes 	Yes	Yes	No (hard plastic)	No (hard plastic)	No	No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes 	Yes	Yes	No (fixed)	No (fixed)	No (offset)	No (offset)	No (offset)
Centering Aid	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weight	6.5 kg (with anti-seize ring)	5.8 kg	6.4 kg	6.6 kg	5.2 kg	7.1 kg	6.6 kg	6.7 kg
Gearcase / Motor Housing Material	Aluminum/ Aluminum	Aluminum / Plastic	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath 	Oil Bath	Oil Bath	Grease	Grease	Grease	Grease	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 975,00	€ 1056,00	€ 949,54	€ 725,21	€ 990,00	€ 771,76	€ 961,00
Remarks		No LED load indicator.	No LED load indicator.	Fixed handle.	Fixed handle.	Single gear limits size versatility (only good for larger Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)
Conclusion	The AGP offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.							

Comparison Table

Brand

AGP[®]

BAIER
Elektro-
werkzeuge

BAIER
Elektro-
werkzeuge

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DD62	BDB 829	BDB 825
Power	230 - 240 V: 2200 W 👍	230 V: 2150 W	230 V: 1800 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	Gear 1: 725 /min Gear 2: 1500 /min	748 /min (only one gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	Gear 1: 14 500 bpm Gear 2: 30 000 bpm	18 000 bpm
Insulation Class	Class 2	Class 2	Class 2
Capacity-Dry, Reinforced Concrete	162 mm	200 mm	160 mm
Capacity-Dry, Brick	262 mm 👍	250 mm	200 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position)	Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes 👍	No	No
Integrated Dust Collection	Yes 👍	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof	Standard Type	Standard Type
Locking Gear Lever	Yes 👍	No	No
Levels	Yes	Yes	Yes
Soft-Grip Rubber Handle	Yes 👍	No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes 👍	No (fixed) (not adjustable)	No (fixed) (not adjustable)
Centering Aid	Optional	Optional	Optional
Weight	6.5 kg (with anti-seize ring) 👍	6.6 kg	5.2 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath 👍	Grease	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 949,54	€ 725,21
Remarks		Fixed handle.	Fixed handle.

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.

AGP | DD62 Dry Drilling Motor

Comparison Table

Brand

AGP[®]

WEKA
ELEKTROWERKZEUGE

WEKA
ELEKTROWERKZEUGE

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DD62	DKS 15P	DKS 15L (aluminum version)
Power	230 - 240 V: 2200 W 👍	230 V: 2000 W	230 V: 2000 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	Gear 1: 700 /min Gear 2: 1700 /min	Gear 1: 540 /min Gear 2: 1200 /min
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	Gear 1: 14 000 bpm Gear 2: 34 000 bpm	Gear 1: 10 800 bpm Gear 2: 24 000 bpm
Insulation Class	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm	150 mm	180 mm
Capacity-Dry, Brick	262 mm 👍	180 mm	200 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position) 👍	No	No
Anti-Seize Ring	Yes 👍	No	No
Integrated Dust Collection	Yes 👍	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof 👍	Standard Type	Standard Type
Locking Gear Lever	Yes 👍	No	No
Levels	Yes	Yes	Yes
Soft-Grip Rubber Handle	Yes	Yes	Yes
In-line Side Handle	Yes	Yes	Yes
Centering Aid	Optional	Optional	Optional
Weight	6.5 kg (with anti-seize ring)	5.8 kg	6.4 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Aluminum
Gearbox Lubrication	Oil Bath	Oil Bath	Oil Bath
Street Price (Germany, w/o tax) Internet sourced info		€ 975,00	€ 1056,00
Remarks		No LED load indicator.	No LED load indicator.

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.

AGP | DD62 Dry Drilling Motor

Comparison Table

Brand

AGP[®]

CARDI

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DD62	DP 2200 MA-16
Power	230 - 240 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	880 /min (Only One Gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	21 000 bpm
Insulation Class	Class 2	Class 2
Capacity-Dry, Reinforced Concrete	162 mm	152 mm
Capacity-Dry, Brick	262 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC
Led Indicator	Yes (in most visible position)	No
Anti-Seize Ring	Yes	Optional
Integrated Dust Collection	Yes	Yes
Switch Type	Hall-Effect Dustproof/Waterproof	Standard Type
Locking Gear Lever	Yes	No
Levels	Yes	No
Soft-Grip Rubber Handle	Yes	No
In-line Side Handle	Yes	No (offset)
Centering Aid	Optional	Optional
Weight	6.5 kg (with anti-seize ring)	7.1 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Aluminum
Gearbox Lubrication	Oil Bath	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 990,00
Remarks		Single gear limits size versatility (only good for larger Øs)

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.

AGP[®] | DD62 Dry Drilling Motor

Comparison Table

Brand

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DD62	ESD 162	FBS16
Power	230 - 240 V: 2200 W	230 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	0-1100 /min (Only One Gear)	1100 /min (Only One Gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	22 000 bpm	22 000 bpm
Insulation Class	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm	162 mm (202 mm max.)	162 mm
Capacity-Dry, Brick	262 mm	202 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position)	Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes	Optional	No
Integrated Dust Collection	Yes	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof	Standard Type, Variable	Standard Type
Locking Gear Lever	Yes	No	No
Levels	Yes	Yes	Yes
Soft-Grip Rubber Handle	Yes	No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes	No (offset)	No (offset)
Centering Aid	Optional	Optional	Optional
Weight	6.5 kg (with anti-seize ring)	6.6 kg	6.7 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath	Grease	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 771,76	€ 961,00
Remarks		Single gear limits size versatility (performance suffers with both larger & smaller Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)
Conclusion	The AGP offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.		

Tool Dimensions

