

3-Speed Diamond Core Drill DK 52 E

400 V (230 V) / 3 ~

Motor protection and soft start
Keyboard and LED display
Very powerful



Oil-Bath Lubrication with Oilpump
High-Duty Overload Clutch
Water-Proof Protection Class IP 55

Technical Data:	Type	DK 52 E	DK 52 ES	
	Nominal Power	W	5200	5200
	Output Power	W	4000	4000
	Nominal Speed (Full Load)	1/min	130/260/410	160/310/490
	Total Length	mm	580	580
	Weight	kg	22,9	22,9
	Drilling Ø in Concrete c.	mm	110 - 500	80 - 450
	Tool Fixture		1 1/4"	1 1/4"
	Foot fastening Standard		4 x M8 with groove	10 x 4,3

Diamond
Core Drills

WEKA

Diamond
Saws

With the DK 52 E, WEKA has further developed the successful predecessor model DK 52 and equipped it with a refined motor electronics. This made the DK 52 E much more user-friendly and an improved motor protection could be achieved. The core features of the DK52 have been retained: in addition to an extremely high **spindle output of 4000 W**, the DK 52 E offers a particularly favorable performance weight at 22.9 kg as well as high operating safety.

In addition to the features already mentioned, the DK 52 E mainly has the following features:

Keyboard and LED display - robust keypad for starting and stopping the machine. The following information is displayed to the user via LEDs:

Phase direction - that means the machine only runs in the direction of rotation provided. In this way, disturbances and accidents are avoided by a wrong direction of rotation and thus unintended loosening of the tool.

Phase failure - if a phase fails, the machine can no longer be switched on, or switches off when a phase fails during operation.

Load - by means of three LEDs the load on the machine is displayed to the user. If all three LEDs light up red, full load is reached. If the three LEDs are flashing the machine is operated in the overload range. It will now switch off depending on the amount of overload.

Soft start - jerky start of the three-phase motor is prevented. As a result, the mechanical components of the core drilling machine as well as of the core drill stand are protected during starting.

Motor protection - Thanks to the newly developed motor electronics, overloading of the machine and thus excessive wear as well as damage to the engine and gearbox can be avoided.

Change of direction of rotation - The direction of rotation of the spindle can be changed with the new model DK52 E by switching in the phase reversing plug, if this is confirmed by the combination of the START and STOP button together. This makes it possible to remove the spindle from the drill bit by means of the motor.

3 - speed gear box - Large drilling range with favourable adapting the speed to the respective drilling diameter.

Oil-bath lubrication - Optimal gear lubrication for high efficiency, high durability and less maintenance.

Overload clutch - Multiple disk clutch protects operator, machine and tool against high mechanical overload.

Antifriction-Element - This smart ring fixed on the drill spindle is able to reduce the release torque for loosening the drill bit considerably.

Three-Phase Motor - Extremely durable, robust, sealed (IP55) and low maintenance motor, without brushes and rotating windings. The very low speed causes only low motor noise. The speed drop at full load is minimal.

Motor Cooling - The DK 52 E motor is cooled optimally by a patented water cooling. The cooling water flows controlled through the interspace between the case sleeve and the motor case.

Due to this intensive cooling an excellent output power by low weight is achieved, yet by this design the electric parts are separated from the cooling and thus the electric safety is guaranteed.

Metal casing - Motor and gearbox are made from aluminum. This makes the DK 52 E mechanically and thermally stable and durable contrary to plastics cases.

Safety - The DK52 E corresponds to the water protection class IP 55 according to EN60529, i.e. on proper use no water can enter the machine. Therefore it is possible to drill overhead without any further precautions. Further more the DK52 E corresponds to the European regulations.

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