

3-Speed Diamond Core Drill DK 42 B

400 V / 3-phase

Oil-Bath Lubrication
Safety Clutch
Water Protection Class IP 55



High Efficiency
Super Silent

Technical Data:

Type		DK 42 B	DK 42 BS	DK 42 BL
Nominal Power	W	3900	3900	3900
Output Power	W	3000	3000	3000
Load Speed	1/min	160/310/490	230/460/720	130/260/410
Length	mm	540	540	540
Weight	kg	19	19	19
Drilling Ø in Concrete c.	mm	70 - 400	50 - 300	90 - 450
Tool Fixture		1 1/4" male	1 1/4" male	1 1/4" male
Water Protection Class		IP 55	IP 55	IP 55
Foot Fastening Standard		4 x M8 / groove 10 x 4,3		

Diamond
Core Drills

WEKA

Diamond
Saws

With the DK 42 B WEKA has extended the successful series of powerful diamond core drills up to 400 mm drilling diameter.

A robust, powerful and solid three-phase motor with an appropriate high capacity gear system is packed in a stable aluminum case. Due to an optimized motor cooling by using water an excellent power weight is achieved.

Further more the **DK 42 B** has the following special features.

Three speed gearing unit - High efficiency gearing unit with economic speed adjustment to each bore diameter as well as a wide drilling range.

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

Safety clutch - Indispensable safety element.

Protects operator as well as machine and tools from mechanical overstrain.

Three-Phase Motor - Extremely durable and low maintenance motor without brushes and commutator.

This motor has only a simple rotor instead of a coiled armature.

It is silent. The speed drop at full power is minimal.

Motor protection - The DK 42 B is protected by thermal switches integrated in the stator windings. Thus the motor is protected directly in case of overload, unsymmetrical voltage, phase failing or deficient cooling.

Motor cooling - The DK 42 B's motor is cooled by a patented water cooling.

The cooling water flows controlled through the interspace between case sleeve and motor case.

Due to this intensive cooling power output and weight is improved considerably.

Metal casing - makes the DK 42 B - contrary to plastics cases - mechanically and thermally solid and stable.



The DK 42 B is switched by an on-off button on the top of the machine via a conductor. For saving weight it is fitted in a cable case. By this device the motor is solidly and exactly switched and the required undervoltage trip is realized.

The DK 42 B corresponds to the water protection IP 55 according to the European normative document EN 60 529, i.e. water cannot enter into the motor during proper use. Thus it is possible to drill upwards in a vertical position without taking any further precautions (overhead drilling).

WEKA and environment - WEKA electric tools are mainly made of aluminum and steel. Plastics are only used if it is unavoidable. WEKA electric tools are durable. Scrap-mature machines will be taken apart completely and separated materially.

Thereby WEKA machines are 90% recyclable.

Safety - The DK 42 B 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 DK 42 B corresponds to the European regulations.

WEKA Elektrowerkzeuge

Auf der Höhe 20, D 75387 Neubulach / Germany

Telephone: +49 7053 96816-0 · Telefax: +49 7053 3138

Internet: <http://www.weka-elektrowerkzeuge.de> · E-mail: weka@weka-elektrowerkzeuge.de