



**RUBI**

**DC**

 [www.rubi.com/p/55941](http://www.rubi.com/p/55941)

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**A. ASSEMBLY INSTRUCTIONS**

**Assembly**

Once you have unpacked your machine, check to make sure that there are no damaged or broken parts. If there are and they need to be changed these must only be replaced by original of the manufacturer.

We recommend two people for transporting of the machine, although the wheels allow transport by one person.

The DC machines are supplied and packed with the supporting legs in transport position and the wheels disassembled.

1. Assembly and deployment of machine ( fig.1, 2)
2. It is recommended that the machine only be operated on smooth, level surfaces. Also, verify that the machine is properly fixed to the floor before beginning to work. This will provide safe working conditions.. (fig. 3, 4)
3. The movable head of the machine is fixed to the side support to avoid movement during transport (position A or B). To release the head: remove the pin C and place in position D (fig. 6, 7, 8)

**Safety**

Read carefully and understand the safety measures before using the machine.

Among other safety measures, DC machines have a safety system that prevents direct contact with the blade while cutting.

**Electricity**

Coil feeding cable during transport. Never move the machine by tugging at the cable.

Machines sold without their cables. Please see references for cable on pages 22.

**Applications**

Use: Models DC are professional precision machines for the straight or mitred cutting of building materials, and work by means of a guided bearing system. Such cuts are made with water-cooled diamond blades.

**Working area advises**

Pay close attention to the state of the area where the job is to be done. Keep it clean and well lit. The machine should be kept clean at all times in order to ensure optimum performance and the safest working conditions.

**B. STARTING THE MACHINE**

**Checking list**

Before using this machine, verify that no parts are worn out, damaged or broken. Should you find any part that is not in proper condition, have it repaired or replaced immediately.

Check that the stops of the machine are perpendicular to the blade. These are regulated before leaving the factory. Ensure that the voltage and frequency of the machine shown on the characteristics plate match the electric system. (fig. 5)

The electrical outlet must have an earth connection and protection in the event of leaking (differential). When using an extension, check that the cable section is at least 2.5 mm<sup>2</sup>.

The blade protector protects the user from potential injury while cutting. When cutting, the top will be adjusted according to the thickness of the piece to be cut.

If the disc is mounted incorrectly, proceed to stop the machine and re-assemble.

**C. INSTRUCTIONS**

1. Read these instructions carefully before using this product and save. Keep them in a safe place for future reference.
2. To install or replace the blade, first remove the protective cover, place the blade between the discs flanges, turning in the direction shown on the machine. Tighten the screw as illustrated. (fig. 9, 10)
3. Fill the frame tank with water until the water pump is completely covered. Working with clean water gives your blade longer working life and improved performance. (fig. 11)
4. Models DC are equipped with a table-stand for placing the ceramic tile, and a sliding motor unit. This system enables you to handle all types of ceramic tile with maximum precision and comfort. (fig. 12)
5. The sliding is done through wheels with ball bearings greased and sealed.
6. To prevent accidents, shut the motor off when changing from the straight cutting position to that of mitred cutting (and vice versa), and adjusting stops for repeated cuts. (fig. 13 and 14)
7. Start the machine by pressing the green switch and turn off with the red. (fig. 15)
8. Models DC have a safety system that protects the motor from overheating.
9. If the motor should stop for no apparent reason, wait a few minutes as it has probably been overworked. Moderate the cutting speed.
10. Once the machine is operating, wait until the motor and the water supply by the pump return to normal (4 or 5 seconds). The flow of water for cooling the blade can be adjusted using tap A. (fig. 16)
11. To make correct cuts, guide the blade firmly and evenly, without brusque movements and without forcing the motor. One incorrect move can break the work piece and seriously damage the blade. (fig. 12)
12. DC machines make it possible to make precise parallel cuts for repetitive projects using

**D. MAINTENANCE**

- Cleaning and maintenance

**E. SPECIFICATIONS**

- Technical data
- The overall machine
- Accessories
- Decalaration of compliance with EC regulations
- Electric diagram

13. the ceramic fixing accessory. (fig. 17,18)  
The additional table offers a greater surface for support while cutting large pieces, and can be situated on both sides of the machine. (pag. 22 / ref.54993). For 45° cuts (mitred cuts), there is a system of mechanical blockage, which enables you to position the head with great precision. (fig. 19, 20)
14. The bracket (A) assembly rotates between 0° and 60° (factory set) supporting the pieces to cut and allows repetitive cutting (fig. 21). (B) side stop, permits repetitive cutting of 90° and 45° accurately. (fig. 22)
15. The cutting head permits the plunge effect, which allows adjustment in blade height. The Recoil is by a spring that at the same time compensates the motor weight as improves ergonomics. The knob (A) allows the lock of the discs position. (fig. 23, 24)
16. To get a quality cut either normal or 45 degrees, it is very important to work on level ground. (fig. 3, 4)
17. Never use a cracked or chipped diamond blade.
18. Do not brake or stop the blade by lateral pressure.
19. By keeping cutting tools clean, you ensure better performance and enhanced security:
  - Carefully follow the instructions when changing accessories.
  - Periodically check the cables of this machine, if they are damaged repair them at an authorised technical service.
  - Keep handlers clean, dry and free of grease and oil.
20. Remove tools before starting the machine.
21. When using the machine outdoors, use only extensible cord designed for this purpose.
22. Before using a machine again, check carefully to ensure that it is in proper working order for the task you have in mind for it. Any damaged element, whether protective or not, should be repaired or replaced by an authorised technical service outlet, unless otherwise specified in this instruction manual. Do not use the machine if it cannot be switched on and off.
23. It is essential to have adequate lighting in work areas.
24. Recommended working temperatures should be between 5 and 40 ° C and between 0.8 and 1.1 bar. (maximum humidity 95%)
25. Wheel assembly of the machine. (fig. 25)

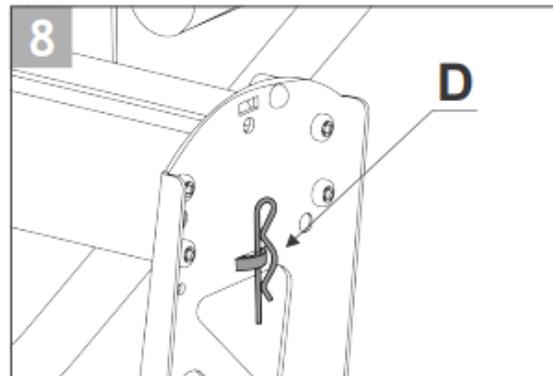
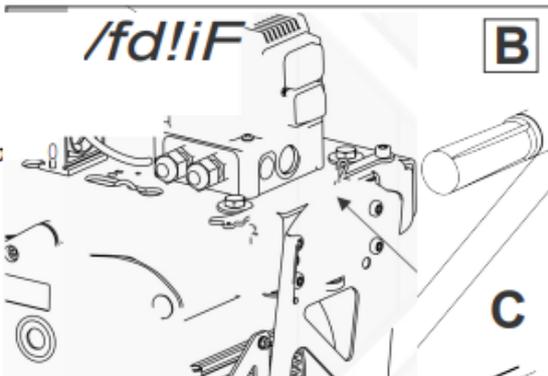
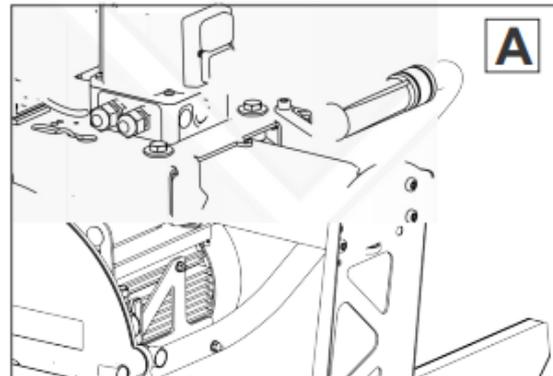
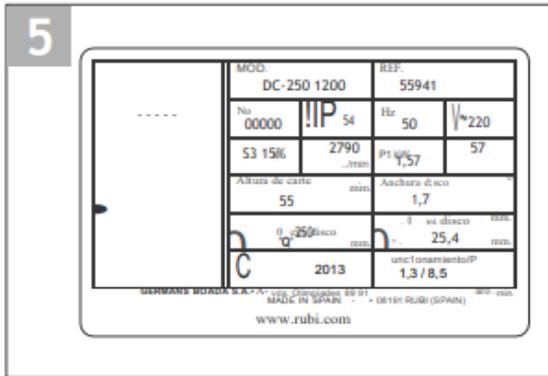
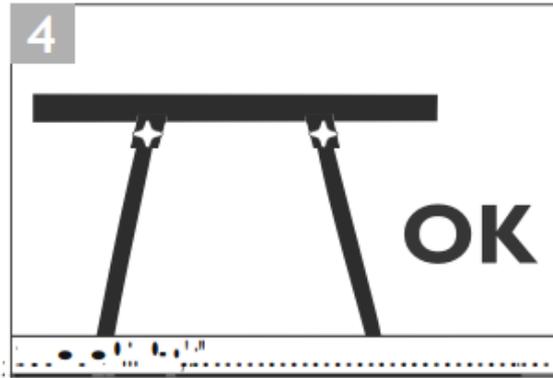
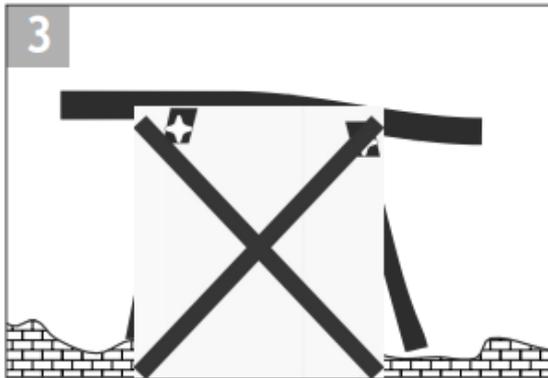
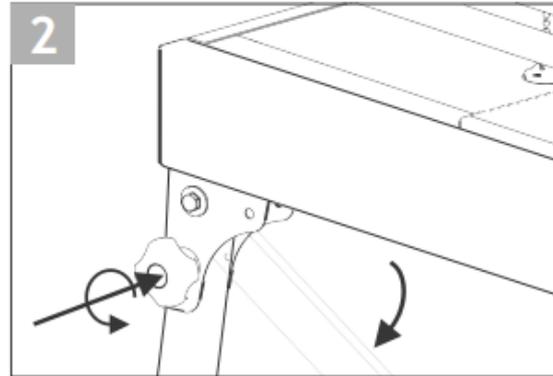
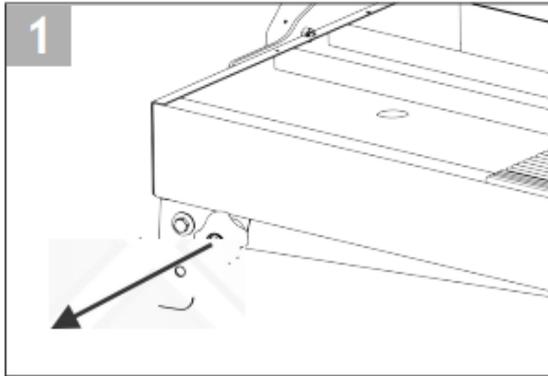
**D. MAINTENANCE**

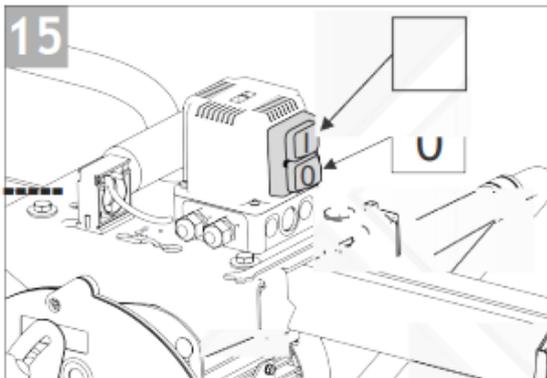
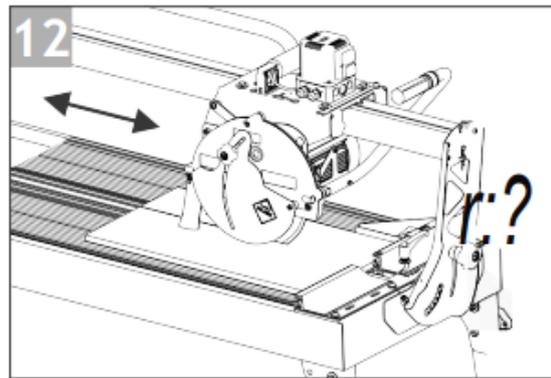
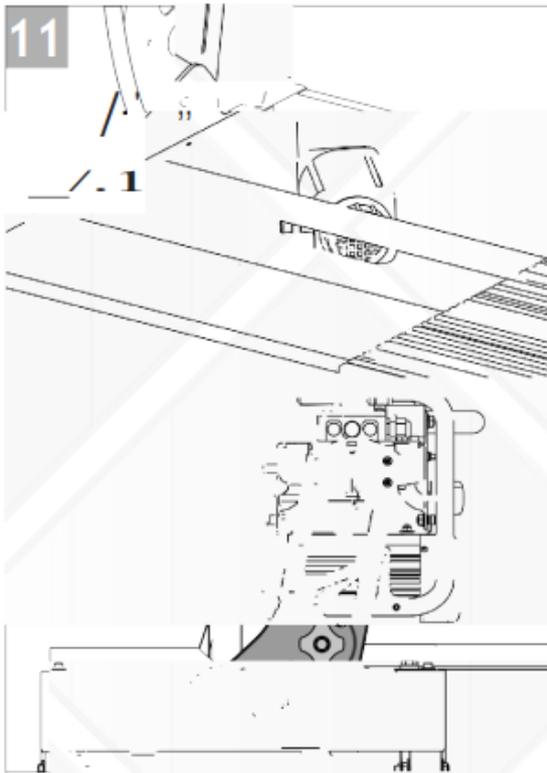
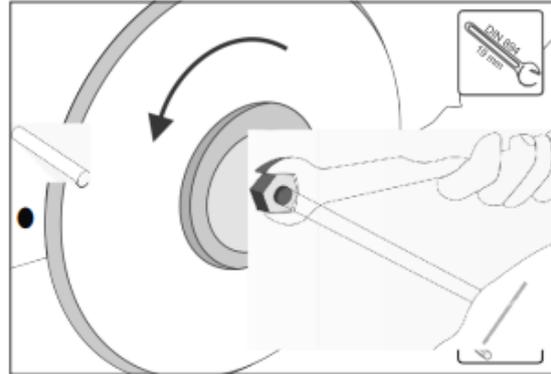
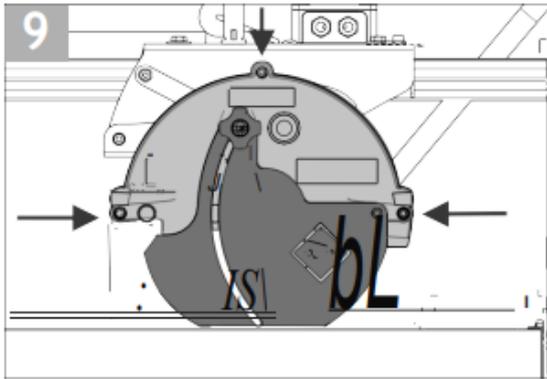
**Cleaning and maintenance**

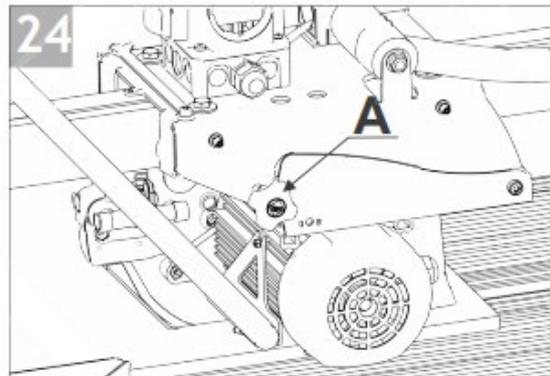
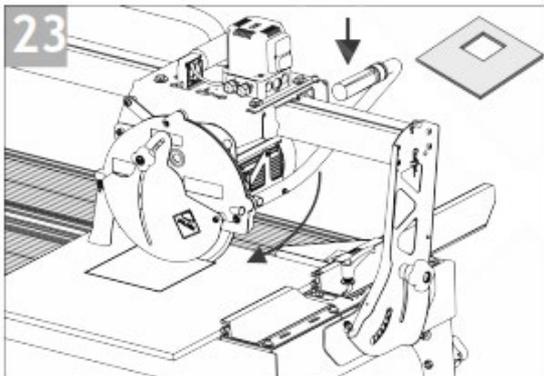
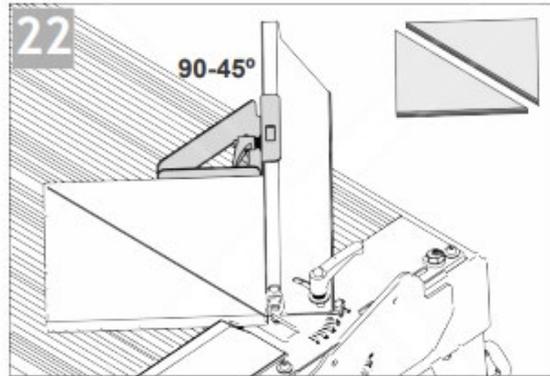
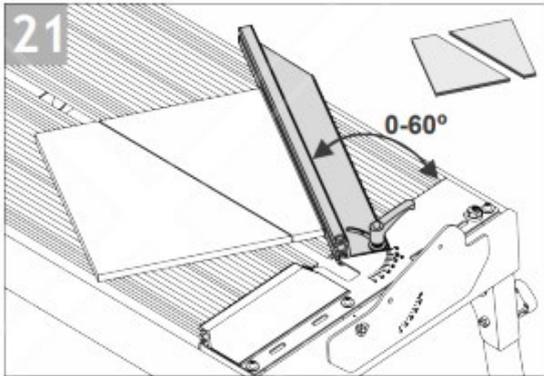
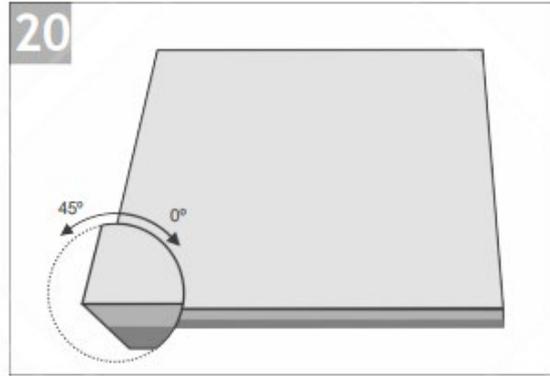
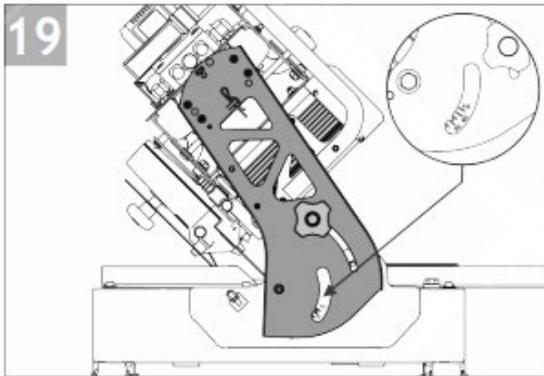
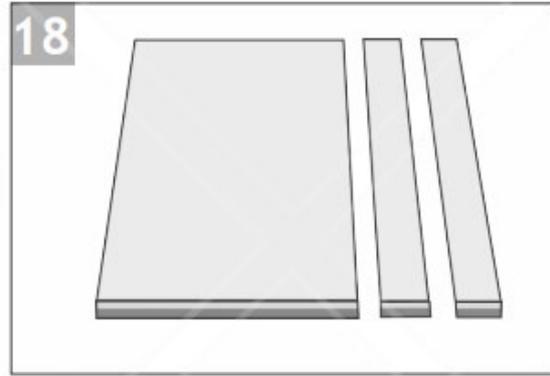
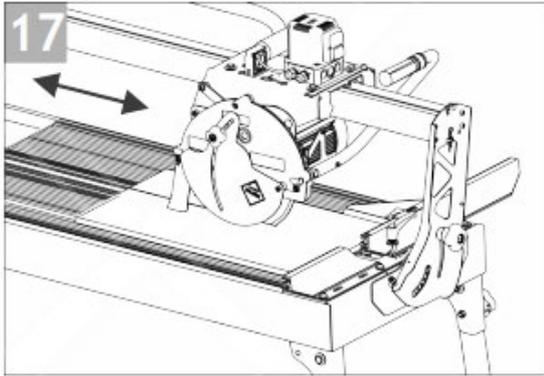
1. Before cleaning, repairing or transporting the machine it must be turned off and unplugged.
2. Do not use aggressive cleaning products for cleaning the machine.
3. Do not immerse the machine in water.
4. Examine periodically the machine cables, if they are damaged must repair them through an authorized technical service.
5. Keep handles dry, clean, free of grease and oil.
6. To keep your machine in good condition, run clean water through the cooling system after every use and cleanse the machine.
7. Before cleaning the machine, remove the lower tray. Having previously positioned a bucket to collect the water, the decanter will fall into it. Regularly check the disk head set and proceed to adjust it if necessary. Slightly loosen the screw nut B and C. Gently tighten the prisoner D with the help of a 4 mm wrench. Check the head set and tighten the nut C, B below. (fig. 26, 27)
8. With continued use, or abuse, the square guide can lose squareness. To adjust it to exactly at 90° place a bevel aligned to the disc at 90° supported in the square and act on the three screws A (fig. 28).
9. To square the disc at 90°, remove the disc protection cover (3 screws) (fig.9), loosen the locknut A and B, place the bevel on the table touching the disc. Adjust the tilt of the disc through the prisoner C. Ensure that the upper and lower bevel touches the disk at once. Tighten nut B and knob A below. Perform this on both sides of the machine (fig. 29, 30).
10. We recommend cleaning the tracks of the guide with a cotton cloth dampened with water. You do not need any lubrication.
11. The machine put out off service must be carried out according to the instructions of each country at a collection point, for proper classification and treatment of materials.

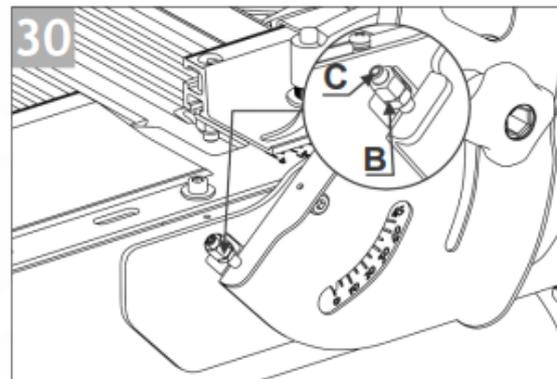
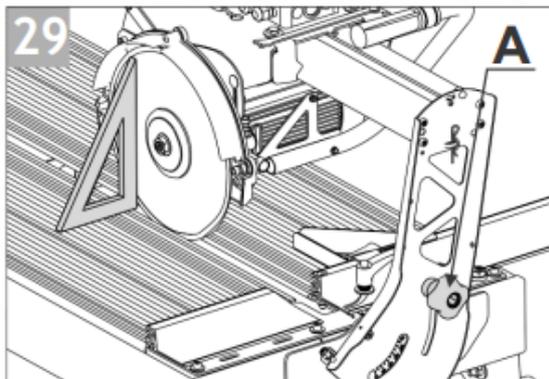
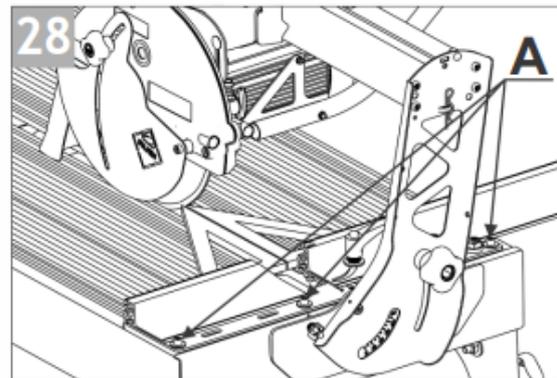
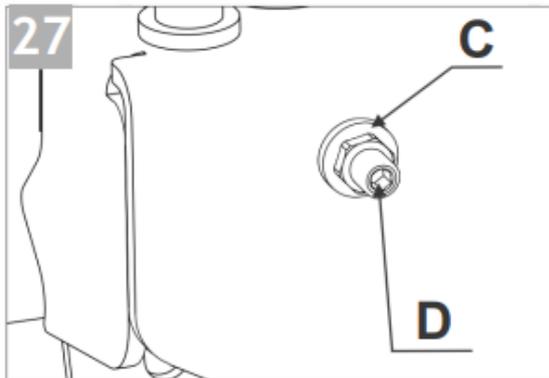
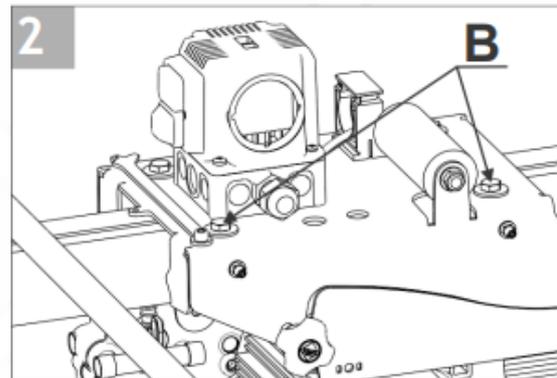
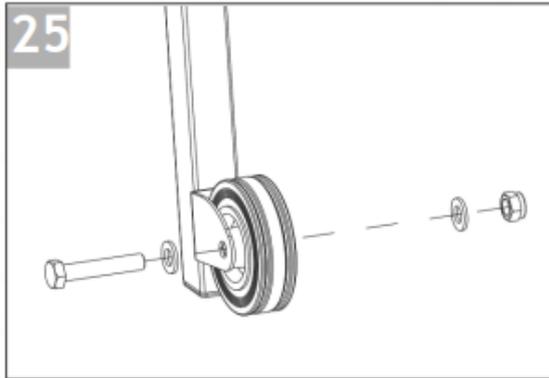
**E. SPECIFICATIONS**

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**A.** Zona de trabajo prevista para baldosas de más de 60 cm. / Area planned for tile work of more than 60 cm. / Zone de travail prévue pour des dalles de plus de 60 cm. / Zona de treball prevista per rajoles de més de 60 cm. / Zona de trabalho prevista para peças com mais de 60 cm. / Zona di lavoro prevista per piastrelle di più di 60 cm. / Arbeitsbereich für Fliesen von mehr als 60 cm Seitenlänge / Werkgebiet geschikt voor tegels groter dan 60 cm. / Område planlagt til flise arbejde mere end 60 cm. / Рабочая зона предусмотренная для работы с заготовками более 60см. / Fayans kesimi için planlanan alan 60 cm den fazladır / Strefa robocza dla płytek powyżej 60 cm. / Yli 60 cm laatoille varattu alue / Pracovní zóna pro formáty větší než 60 cm.

**B.** Zona de trabajo prevista para baldosas de hasta 60 cm. / Area planned for tiles of up to 60 cm. / Zone de travail prévue pour des dalles jusqu'à 60 cm. / Zona de treball prevista per rajoles de fins a 60 cm. / Zona de trabalho prevista para peças de até 60 cm. / Zona di lavoro per piastrelle fino a 60 cm. / Arbeitsbereich für Fliesen von bis zu 60 cm Seitenlänge. / Werkgebiet geschikt voor tegels tot 60 cm. / Arbejdes område planlagt til fliser op til 60 cm. / Рабочая зона предусмотренная для работы с заготовками до 60см. / Çalışma alanı fayans için 60 cm den yukarıdır / Strefa robocza dla płytek poniżej 60 cm. / Työskentelyalue yli 60 cm laatoille / Pracovní zóna pro formáty do 60 cm.

<b>DC -250 850</b>	mm	250 mm	25,4 mm	98 cm	61 mm	90 mm	48 Kg	149x79x131 cm	80x48 cm	IP 54	792B(A)+1,75
	inch	10 inch	1 inch	38 19/32 inch	2 13/32 inch	3 17/32 inch	105 lb	58 11/16x31 7/64x51 37/64 inch	31 1/2x18 57/64 inch		
<b>DC -250 1200</b>	mm	250 mm	25,4 mm	120,5 cm	61 mm	90 mm	57 Kg	171x79x131 cm	100x48 cm	IP 54	792B(A)+1,75
	inch	10 inch	1 inch	47 7/16 inch	2 13/32 inch	3 17/32 inch	126 lb	67 21/64x31 7/64x51 37/64 inch	39 3/8x18 57/64 inch		

DC - 250

	DC-250-850 Ø 90 mm • 3,5 inch									
<b>250-25,4 mm 10-1 inch</b>	mm	855 mm	15 mm	605 x 605 mm	55 mm 2 11/64 inch	980 mm 38 19/32 inch	15 mm 19/32 inch	695 x 695 mm 27 3/8 x 27 3/8 inch	x1	61 mm 2 13/32 inch
	inch	33 11/16 inch	19/32 inch	23 17/32 x 23 17/32 inch					x2	90 mm 3 17/32 inch
	mm									
	inch									
Ø 130 mm • 5 inch										
<b>250-25,4 mm 10-1 inch</b>	mm	855 mm	15 mm	605 x 605 mm	50 mm 2 inch	980 mm 38 19/32 inch	15 mm 19/32 inch	695 x 695 mm 27 3/8 x 27 3/8 inch	x1	45 mm 1 49/64 inch
	inch	33 11/16 inch	19/32 inch	23 17/32 x 23 17/32 inch					x2	80 mm 3 5/32 inch
	mm									
	inch									
	DC-250-1200 Ø 90 mm • 3,5 inch									
<b>250-25,4 mm 10-1 inch</b>	mm	1080 mm	15 mm	765 x 765 mm	55 mm 2 11/64 inch	1205 mm 47 7/16 inch	15 mm 19/32 inch	850 x 850 mm 33 15/32 x 33 15/32 inch	x1	61 mm 2 13/32 inch
	inch	42 33/64 inch	19/32 inch	30 1/8 x 30 1/8 inch					x2	90 mm 3 17/32 inch
	mm									
	inch									
Ø 130 mm • 5 inch										
<b>250-25,4 mm 10-1 inch</b>	mm	1080 mm	15 mm	765 x 765 mm	50 mm 2 inch	1205 mm 47 7/16 inch	15 mm 19/32 inch	850 x 850 mm 33 15/32 x 33 15/32 inch	x1	45 mm 1 49/64 inch
	inch	42 33/64 inch	19/32 inch	30 1/8 x 30 1/8 inch					x2	80 mm 3 5/32 inch
	mm									
	inch									

CONJUNTO MÁQUINA / THE OVERALL MACHINE / ENSEMBLE MACHINE / CONJUNT MÁQUINA / CONJUNTO MÁQUINA / CONGIUNTO MACCHINA / MASCHINENBAUGRUPPE / MACHINE INSTELLEN / SAMLEDE (SÆT) MASKINEN / СТАНОК / МАКИНЕ СЕТИ / KOMPLETNA MASZYNA / TEKNISET OMINAISUDET / PŘEHLED VYRÁBĚNÝCH TYPŮ

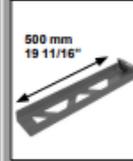
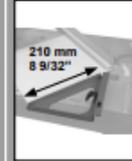
		230V - 50Hz	220V/60Hz	110V/50Hz INCH	120V/60Hz	120V/60Hz INCH
<b>DC-250</b>	REF.	55941	55942	55943	55944	55947
	P1 (KW)	1,57				
	RPM	2790	3400	2810	3436	3436
		S3 15%*				
		56966	56966	56966	56968	56968

CABLES CON ENCHUFE / CABLE WITH PLUG / CÂBLES AVEC PRISE / CABLES AMB ENDOLL / CABOS COM FICHA / CAVI ELETTRICI CON PRESA / KABEL MIT STECKER / KABELS MET STEKKER / KABEL TIL 230 V / ЭЛЕКТРОКАБЕЛИ / FIŞLI KABLO / KABEL Z WTYCZKĄ / ΠΡΑΓΜΑΝΤΕΖΑ / VERKKOJOHDOT / PŘÍVODNÍ KABELY SE ZÁSTRČKOU.

		230V - 50Hz	220V/60Hz	110V/50Hz	120V/60Hz	120V/60Hz INCH
<b>DC-250 850</b>	REF.	54933	54934	54935	54936	54937
<b>DC-250 1200</b>	REF.	55941	55942	55943	55944	55947
	REF.	58850	58856 (15A)			
	REF.	58853 (UK)	58857 (20A)	58852	58854 (12 AW6 USA)	58854 (12 AW6 USA)
	REF.	58859 (AUS)			58855 (14 W6 USA)	58855 (14 W6 USA)

ACCESORIOS / ACCESSORIES / ACCESSOIRES / ACCESSORIS / ACESSÓRIOS / ACCESSORI / ZUBEHÖR / ACCESSOIRES / TILBEHÖR / ПРИСПОСОБЛЕНИЯ / AKSESUARLAR / AKCESORIA / ΑΕΞΟΥΡΑ / LISÄVARUSTEET / PŘÍSLUŠENSTVÍ

	CRN SUPERPRO	CEV PRO	CPC PRO	CPC	CEV SUPERPRO	TON SUPERPRO		
								
<b>250 mm • 10 inch</b>	30909	25934	30969	30959	30949	31909	REF.54844	REF.54999

				 SPECIAL 45° Ø 130 mm Ø 5 1/8"	 60 cm	 500 mm 19 11/16"	 210 mm 8 9/32"
REF.05973 REF.05974	REF.51914	REF.51910	REF.51916	REF.57991	REF.54993	REF.54822	REF.54538



Prohibido usar discos segmentados (solo en los modelos de máquina CORTEBRIC-180, DW-200 i DU-200) / Prohibited use segmented disks (only machine models CORTEBRIC-180, DW-200 and DU-200) / Utilisation de disques segmentés strictement interdits (seulement les modèles de machines CORTEBRIC-180, DW-200 y DU-200) / Prohibit utilizar discos segmentats (només en els models de màquina CORTEBRIC-180, DW-200 i DU-200) / Prohibit utilizar discos segmentats (només en els models de màquina CORTEBRIC-180, DW-200 i DU-200) / Não usar nunca discos segmentados (somente nas máquinas modelos CORTEBRIC-180, DW-200 e DU-200) / Prohibito usare dischi segmentati (solo nei modelli CORTEBRIC-180, DW-200 y DU-200) / Die Verwendung von segmentierten Diskotheken ist untersagt (nur für Modelltypen CORTEBRIC-180, DW-200 und DU-200) / Verboden gesegmenteerde schijven te gebruiken (alleen voor de modellen van de machines CORTEBRIC-180, DW-200 en DU-200) / Forbudt at bruge segmenterede diske (kun til maskinmodeller CORTEBRIC-180, DW-200 og DU-200) / Запрещено использование сегментированных дисков (только на станках CORTEBRIC-180, DW-200 и DU-200) / Yasaklanmış parça diskler kullanımı (Sadece bu makina modellerinde; CORTEBRIC-180, DW-200 ve DU-200) / Zakaz używania dyski segmentowych (tylko w modelach CORTEBRIC-180, DW-200 i DU-200) / Απαγορεύεται η χρήση διαμαντόδισκων με διακοσμημένη στροφή / Åla käyttää segmentoituja teriä (koskee vain laitteita CORTEBRIC-180, DW-200 ja DU-200) / Zákaz použítí segmentových kotoučů (pouze pro modely CORTEBRIC-180, DW-200 a DU-200).



The company, Germans Boada SAAvda Olimpiades 89-91, PO Box 14 -08191 Rubi (Barcelona, Spain), declares under sole responsibility that the machine:

**RUBI DIAMANT DC**

Meets the following standards:

UNE-EN-12418: 2001 + A1: 2009: Saw for cutting masonry and stone on site. Security. / UNE-EN ISO 12100-1: Safety of machinery. Basics. / UNE EN ISO 12100-2: Safety of machinery. Basic concepts, general principles for design. Part 2: Technical principles. / UNE EN 1037: Safety of machinery. Prevention of unexpected start-up. / UNE EN-953: Safety of machinery. General requirements for the design and construction of guards (fixed and mobile) / UNE EN ISO 13850: Safety of machinery. Emergency stop. Principles for design. / UNE-EN 60204-1: Safety of machinery. Electrical equipment of industrial machines. / UNE EN-61029-1 / UNE EN-61000-6-2: Electromagnetic compatibility. Part 6: Generic standards. Section 2: Immunity for industrial environments. / UNE EN-61000-6-3: Electromagnetic Compatibility. Part 6: Generic standards. Section 3: Emission standard for residential, commercial and light industrial. And conforms to the essential requirements of the directives:

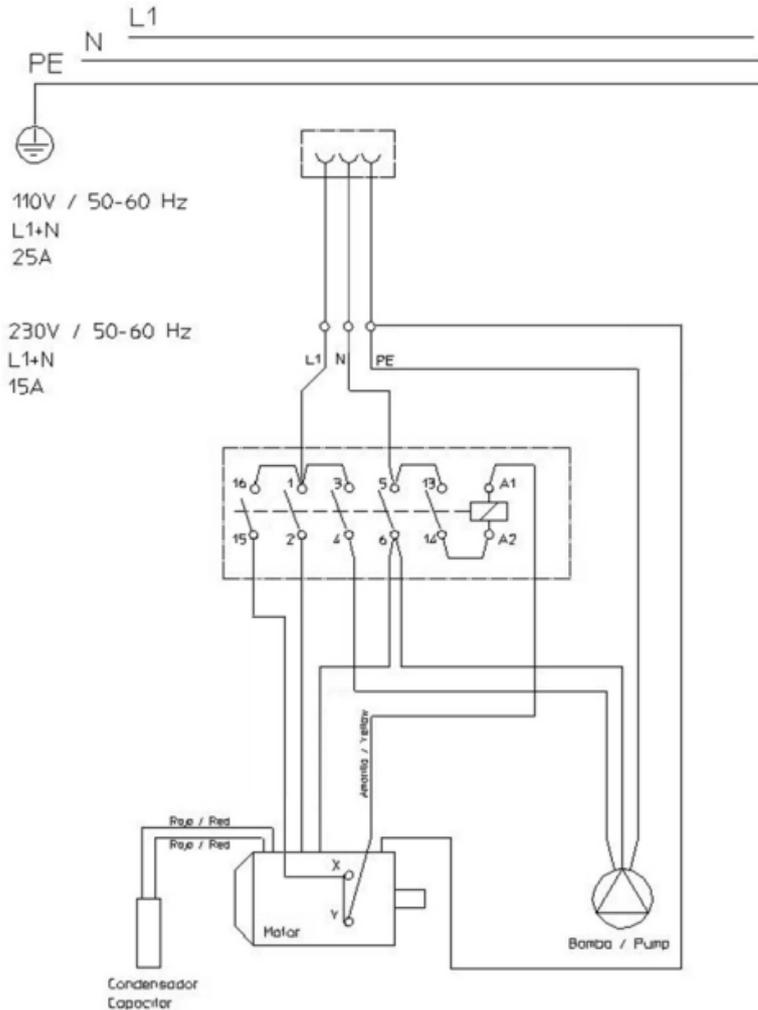
DIRECTIVE 2006/42/EC machine safety / LOW VOLTAGE DIRECTIVE 2006/95/EC / ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2004/108/EC / DIRECTIVE 2002/96/EC ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) / DIRECTIVE 2011/65/CE.

Firma; Germans Boada SAAvda Olimpiades 89-91, PO Box 14 -08191 Rubi (Barcelona, Spain), bu makineden sorumlu olduğunu makinenin altında bildirir.

**RUBI DIAMANT DC**

Aşağıdaki Standartlara uygundur.

UNE-EN-12418: 2001 + A1: 2009: Saw for cutting masonry and stone on site. Security. / UNE-EN ISO 12100-1: Makine güvenliği .Temel / UNE EN ISO 12100-2: Makina güvenliği . Temel kavramlar tasarım için genel prensipler Parça 2 : Teknik prensipler / UNE EN 1037: Makina güvenliği .Beklenmeyen başlangıç önlenmesi. / UNE EN-953: Makina güvenliği . Tasarım ve Yapılış için (Sabit ve Hareketli) koruma genel gereksinimleri/ UNE EN ISO 13850: Makine güvenliği .Acil durdurma. Tasarım ilkeleri. / UNE-EN 60204-1: Makina güvenliği . Endüstriyel makinelerin elektrik ekipmanları / UNE EN-61029-1 / UNE EN-61000-6-2: Elektromanyetik uyumluluk Part 6: Genel standartlar. Section 2: Endüstriyel ortamlar için bağışıklık UNE EN- 61000-6-3: Elektromanyetik uyumluluk. Part 6: Genel Standartlar Section 3: Hafif Sanayi,Ticari ve Yerleşim için emisyon standartları .Ve direktiflerin temel gereksinimlerine uygundur. Direktif 2006/42/EC Makina Güvenliği / Düşük voltaj Direktif 2006/95/EC / ELEKTROMANYETİK UYUMLULUK DİREKTİFİ 2004/108/EC / DİREKTİF2002/96/EC ATIK ELEKTİRİKİ VE ELEKTRONİK CİHAZLARIN ÜZERİNDE(WEEE) / DİREKTİF 2011/65/CE.



- The value of machine vibration DC UNE-EN 61029 is  $6.53 \text{ m/s}^2$  with a typical dispersion SN-1 0,10 of the coefficient series variation CV values 0.02.
- The said vibration total value was measured according to a standardized test method can be used to compare one tool to another.
  - The declared vibration total value may also be used in a preliminary assessment of exposure.
  - The vibration emission during actual use of the tool may be different from the total declared value, depending on how the tool is used.
  - It is necessary to identify security measures to protect the operator, which are based on an estimated exposure for actual conditions of use (taking into account all parts of the operating cycle, such as the time that the tool is switched off and when it is running on empty, and the starting time)