

CONTENTS

A. ASSEMBLY INSTRUCTIONS

- Assembly
- Safety
- Hooking up
- Applications
- Recommendations concerning the work area

B. STARTING THE MACHINE

- Items to be checked before starting the machine

C. INSTRUCTIONS FOR USE

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 you need to change these components they 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.

DX machines are delivered packaged with the support feet in position for transport.

Before start up: (fig. 1)

1. Remove the four knobs A from the support feet. (fig. 2)
2. You will need another person to help lift the machine up until the chassis anchors are completely free. (fig. 3)
3. Put the anchors in the safety position; check that they are properly fixed to the support feet. (fig. 4)
4. Put the four knobs A back on. (fig. 5)
5. 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. 6, 7)
6. The mobile head of the machine comes fixed to the guide to avoid possible shifting in transport. Loosen knob B to release the position (fig. 8)

Safety

Read carefully and understand the safety measures before the use of the machine.

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

Hooking up

Check that the voltage and frequency of the machine shown on the characteristics plate match the electric system. (fig. 9)

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 DX 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.

Recommendations concerning the work area

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

Items to be checked before starting the machine

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. 9)

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 mm².

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 FOR USE

1. To install or replace the blade, first remove the protective cover to reveal the drive shaft. Insert the blade between the blade discs, turning in the direction shown on the machine. Tighten the screw as illustrated. (fig. 10, 11)
2. It is absolutely necessary to fill the tray with water until the water pump is fully submerged. Working with clean water gives your blade longer working life and improved performance. (fig. 12)
3. Models DX 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. 13). In the model DX-350 the lower stop at the end of the track allows you to limit the movement of the head on both sides according to the pieces to be cut. (fig. 14)
4. Movement takes place by means of wheels equipped with greased, sealed ball bearings.
5. To prevent accidents, shut the motor off when changing from the straight cutting position to that of mitred cutting (and viceversa), and adjusting stops for repeated cuts. (fig. 15 and 16)
6. To prevent accidents, shut the motor off when changing from the straight cutting position to that of mitred cutting (and viceversa), changing cutting height and adjusting stops for repeated cuts. (fig. 17)
7. Models DX-350 have a safety system that protects the motor from overheating.

D. MAINTENANCE

- Cleaning and maintenance

E. GENERAL CHARACTERISTICS

- Technical characteristics
- The overall machine
- Accessories
- Declaration of compliance with EEC regulations
- Electric mitring saws for tiles

8. If the motor should stop for no apparent reason, wait a few minutes as it has probably been overworked. Moderate the speed in subsequent cutting.
9. 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)
10. To make correct cuts, guide the blade firmly and evenly, without brusque movements and without forcing the motor. One incorrect move can break the workpiece and seriously damage the blade. (fig. 18, 19)
11. DX machines make it possible to make precise parallel cuts for repetitive projects using the ceramic fixing accessory. (fig. 20). 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. 54991)
12. For 45° cuts (mitred cuts), there is a system of mechanical blockage, which enables you to position the head with great precision. (fig. 21, 22)
13. The abrasive cutter effect of models DX is brought about by a pivoting of the motive unit and a system of mechanical blocking. The weight of the motor is balanced by an opposed spring. (fig. 23, 24)
14. Fixed to the chassis, it is coupled to the set square (45°) unit that rotates between 0° and 60°. It allows supporting of the pieces to be cut and making repetitive cuts. (fig. 25, 26). The lateral stop is fixed to the set square unit (D). It comes factory-adjusted and allows making repetitive 90° and 45° cuts with precision. (fig. 27, 28).
15. For the proper functioning of models DX work on level floor surfaces.
16. Never use diamond blades that are cracked or chipped.
17. Never use lateral pressure to stop the blades.
18. Read these instructions carefully before using this product and save. Keep them in a safe place for future reference.
19. Keep cutting tools clean and sharp for better, safer performance.
 - Carefully follow instructions when changing accessories.
 - Periodically check the cables of this machine. Should they show signs of damage or wear and tear, have them repaired at an authorised technical service outlet
 - Keep holders clean, dry and free of grease and oil.
20. Remove wrenches and tools before switching on the machine.
21. Make sure that the switch is in the "off" position when plugging in the machine.
22. When using the machine outdoors, use only extensible cord designed for this purpose.
23. 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.
24. It is essential to have adequate artificial lighting in work areas when the ambient light is insufficient.
25. Recommended working temperatures should be between 5 and 40 °C and between 0.8 and 1.1 bar (maximum humidity 95%)

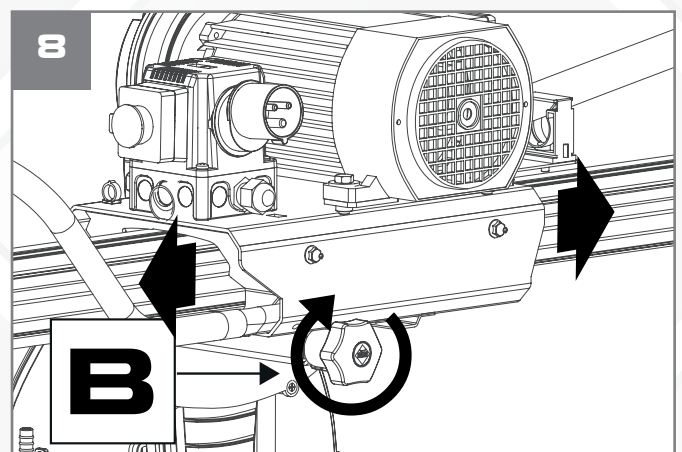
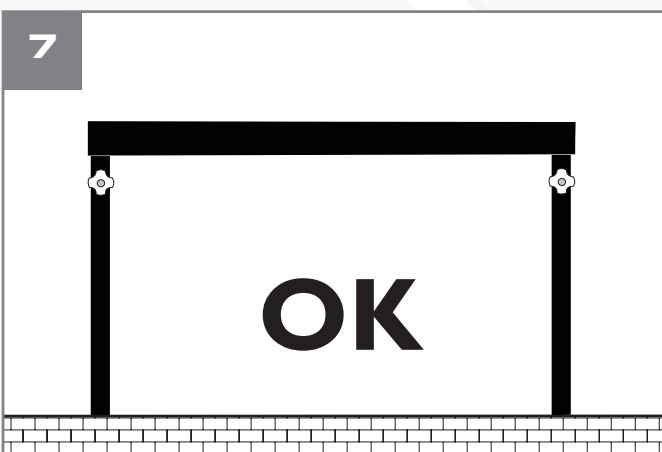
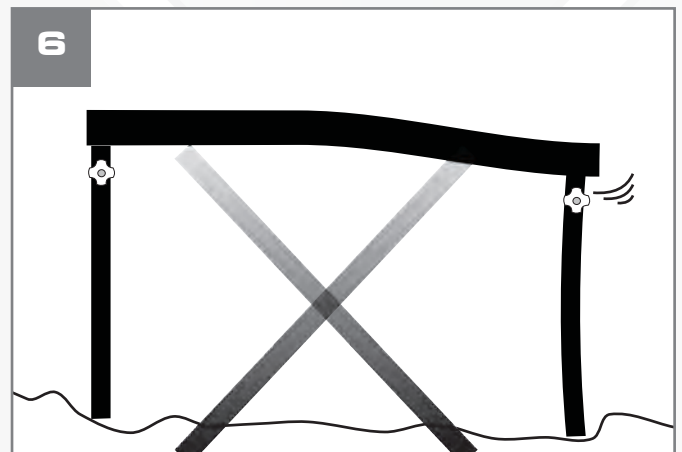
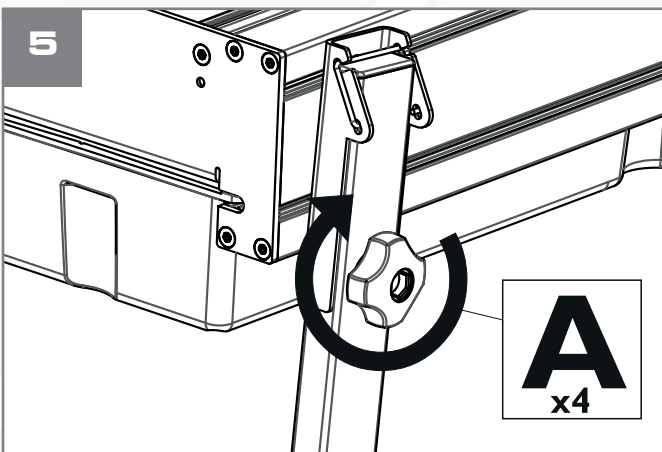
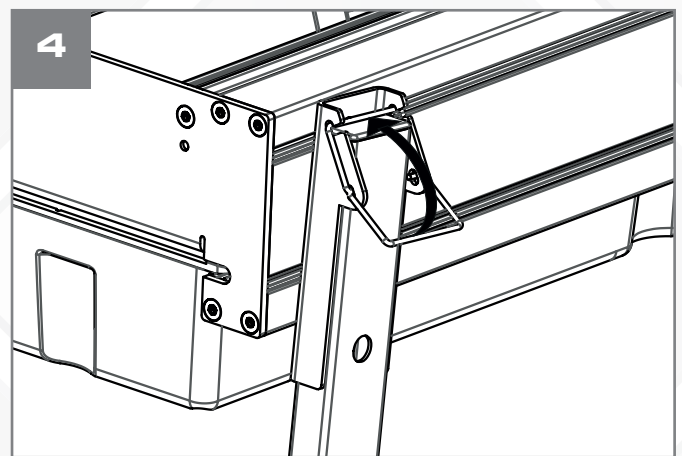
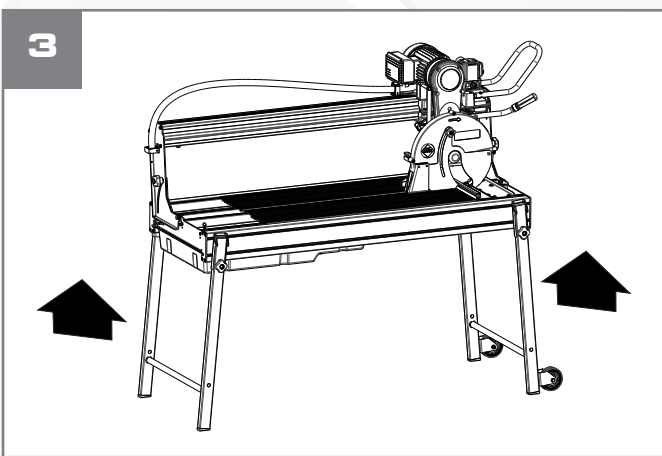
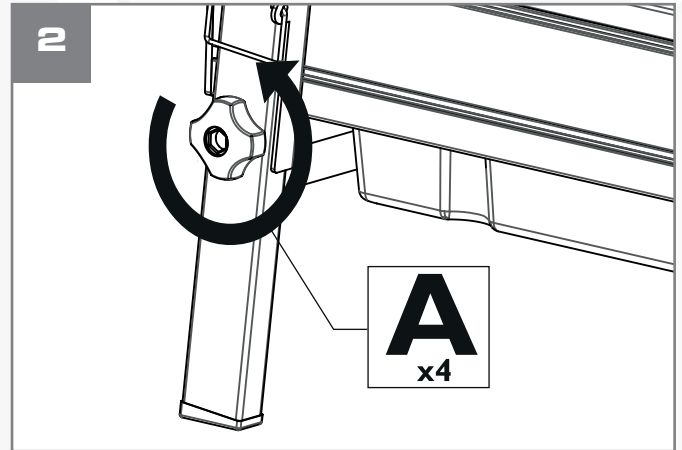
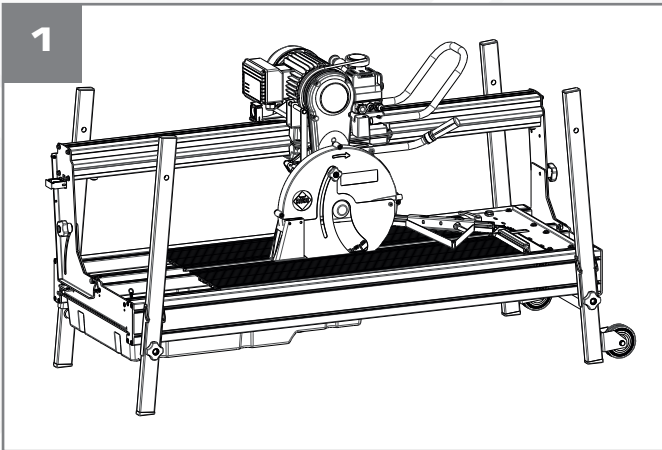
D. MAINTENANCE

Cleaning and maintenance

- 1.- Before cleaning, maintenance or repair of the machine, or transport, the machine must be turned off and unplugged.
2. Do not use aggressive cleaning products for cleaning the machine.
- 3.- The machine must not be immersed in water.
- 4.- Examine periodically the machine cables, if they are damaged must repair them through an authorized technical service.
- 5.- You must maintain the grips dry, clean and free of fat and oil.
- 6.- To keep your machine in good condition, we recommend that you clean it with water after using it and run clean water through the cooling system.
Before cleaning the machine, remove the lower tray. Having previously positioned a bucket to collect the water, the decanter will fall into it. (fig. 29)
- 7.- Regularly check the play of the head/blade and adjust it when necessary. (fig. 30)
 - Loosen screw A.
 - Gently tighten bolt B using a 6 mm key.
 - Tighten bolt A again.
- 8.- With continuous or improper work, the set square unit may lose its perpendicularity. To adjust it to precisely 90°: (fig. 31)
 - Place a set square (60°) at a 90° angle to the blade, supported by the set square unit and adjust screws A.
 - Repeat the operation on the rotating set square, adjusting screw B.
- 9.- To square the blade to 90°, place the set square on the table and adjust the position using screws C. (fig. 32)
- 10.- The start up and shut down of the machine must be carried out according to the instructions of each country at a collection point for the correct classification and treatment of materials.

E. GENERAL CHARACTERISTICS

Technical characteristics.....	Pag. 19-21
Accessories.....	Pag. 22
Declaration of compliance with eec regulations.....	Pag. 23-24
Electric mitring saws for tiles.....	Pag. 25



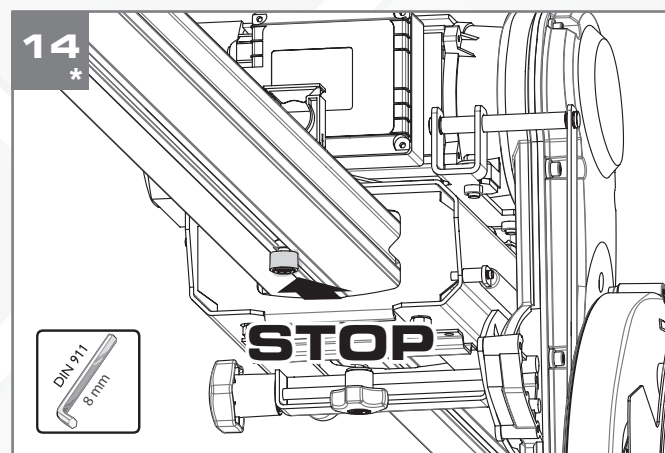
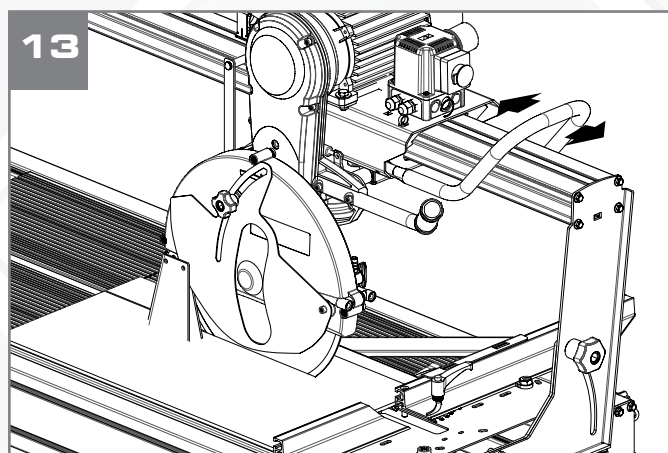
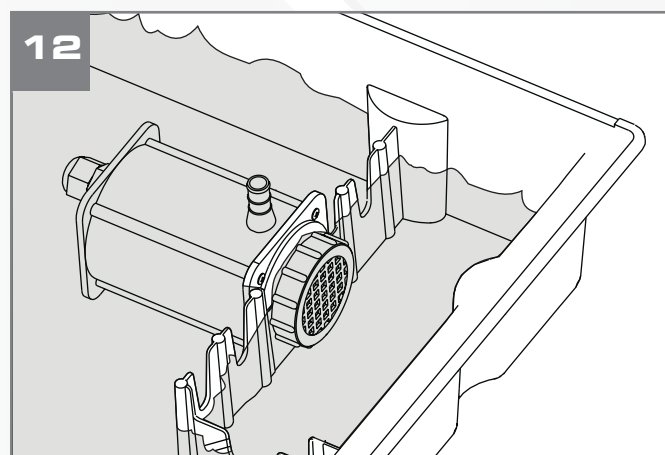
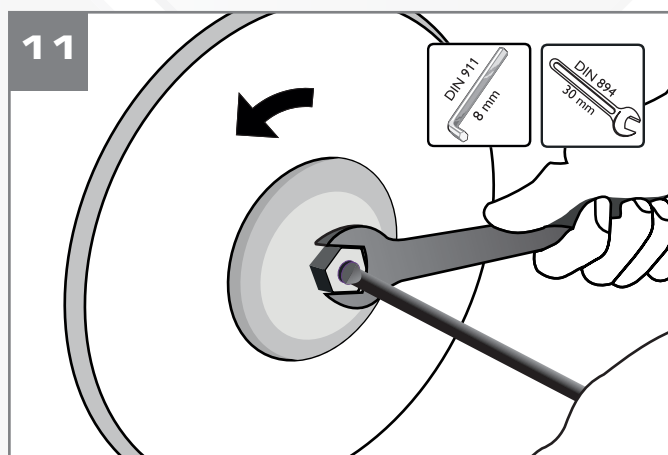
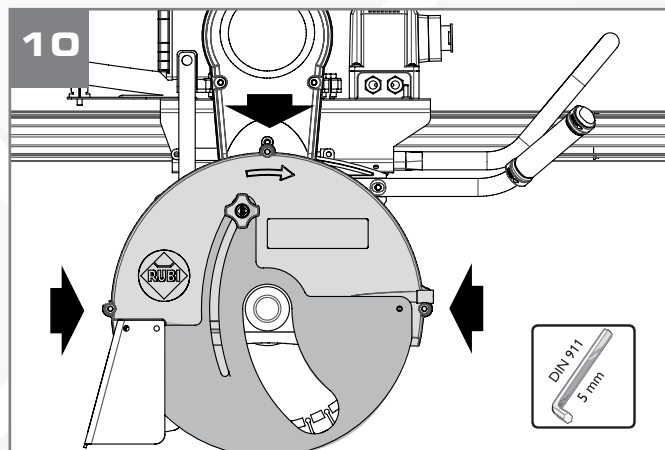
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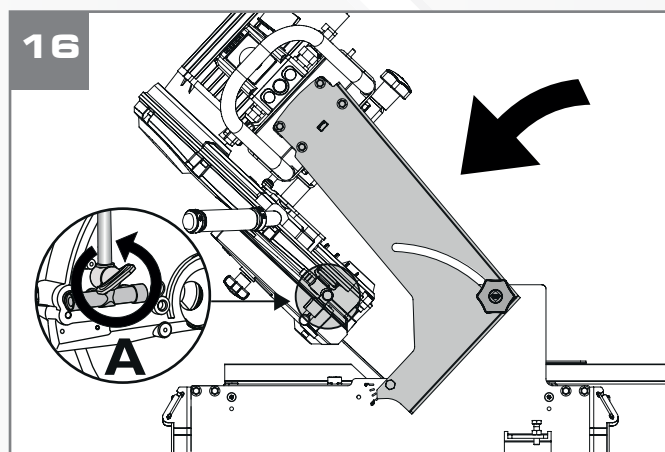
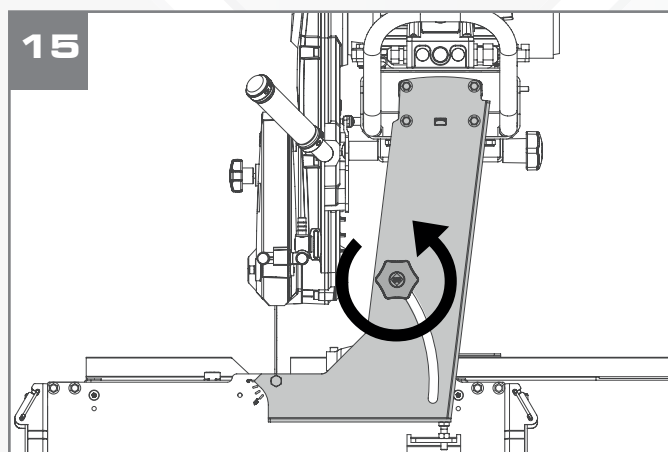
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Altura de corte 00/000-000/000 mm.		Anchura disco 000 mm.	
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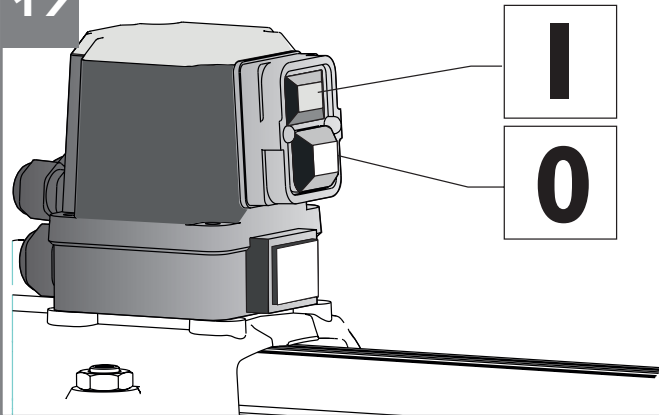
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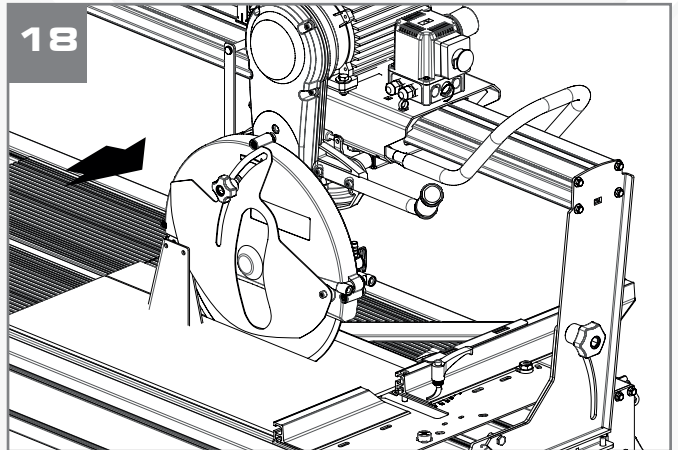
* Solo / Only DX-350



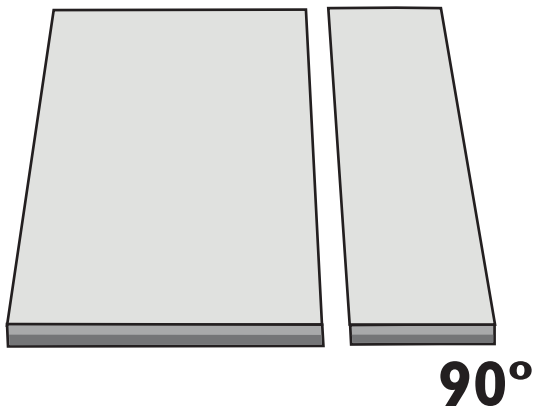
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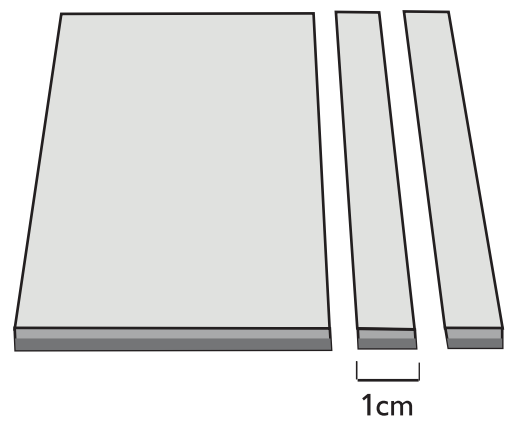
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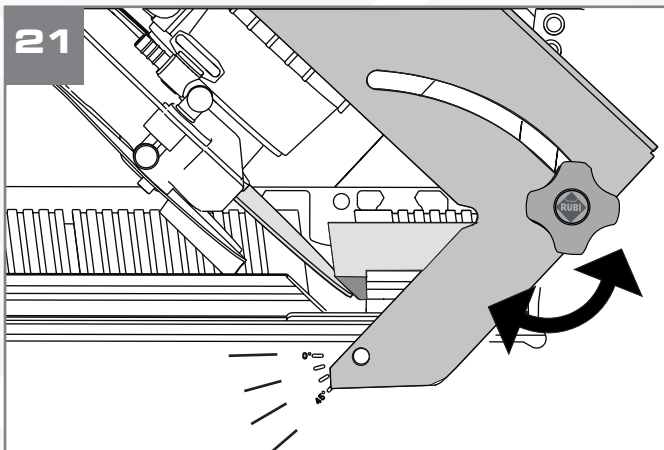
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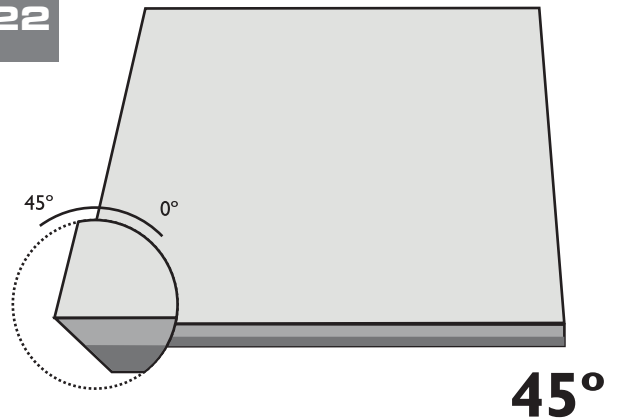
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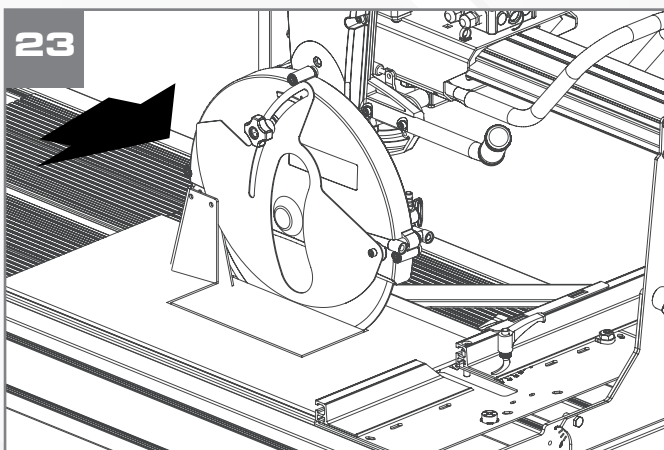
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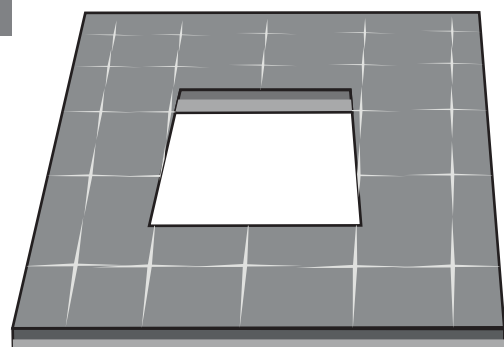
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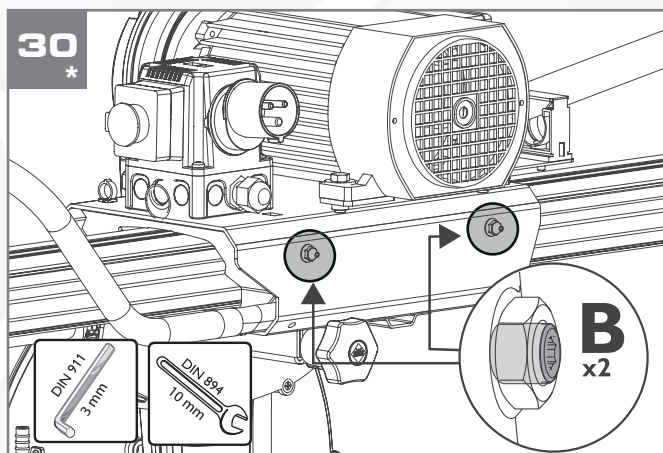
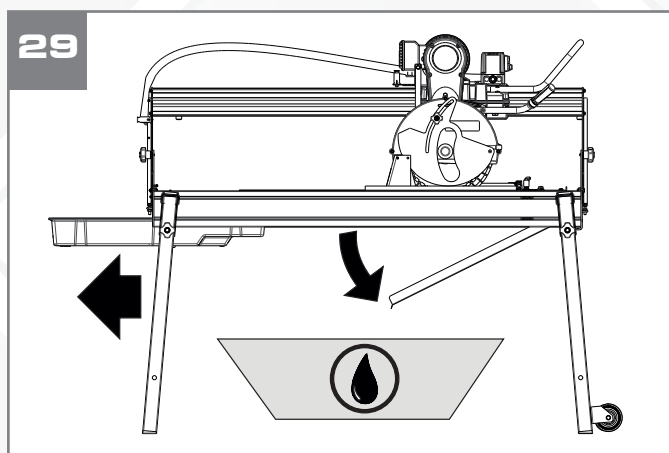
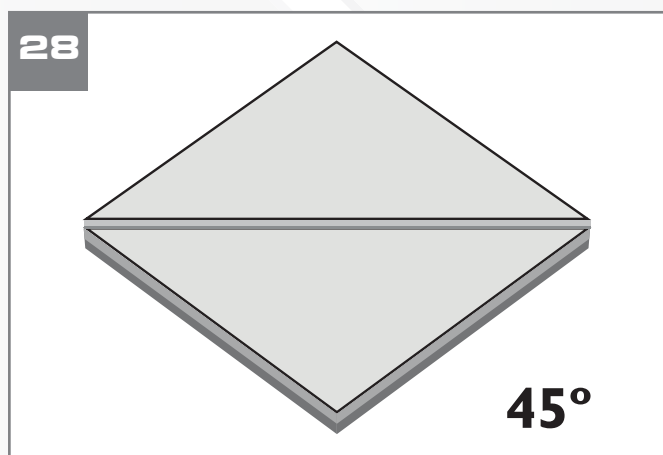
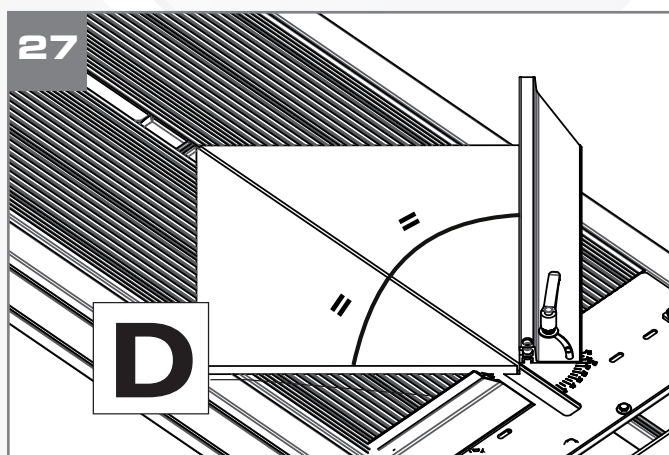
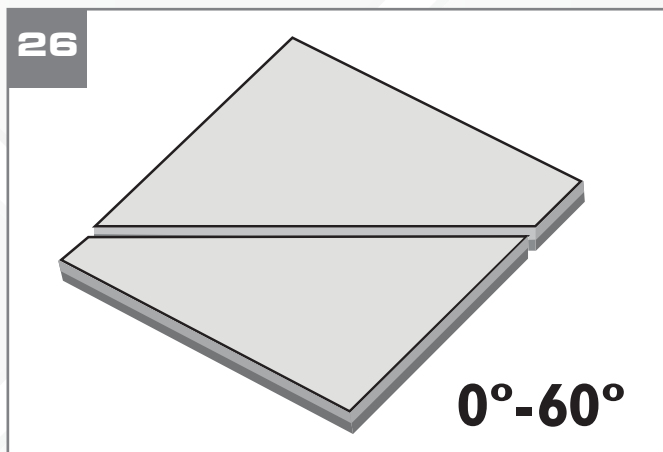
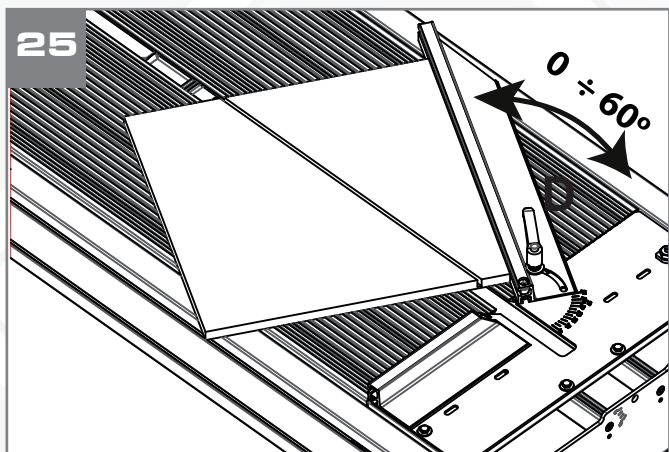


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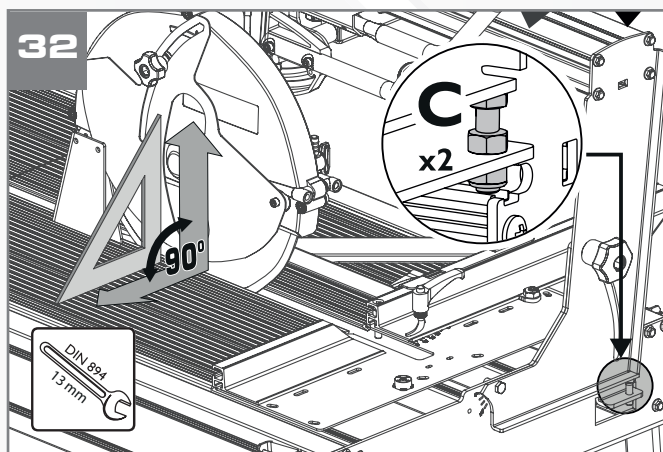
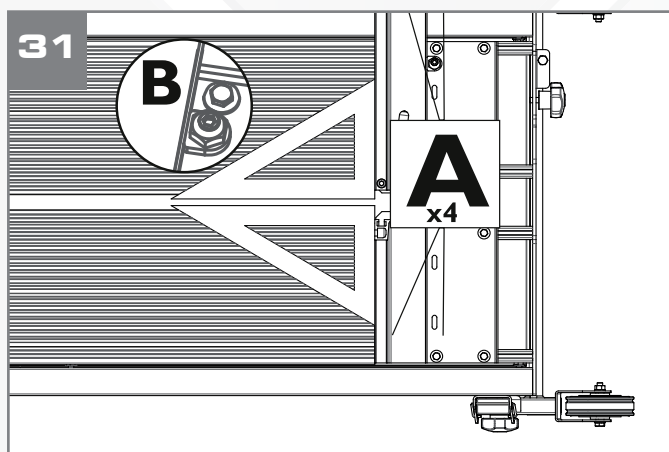


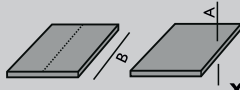
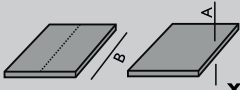
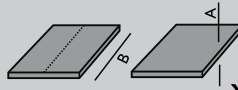
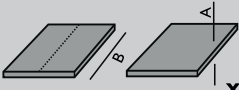
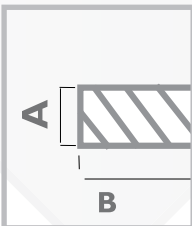
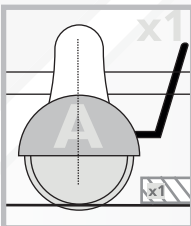
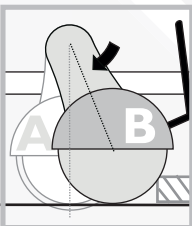
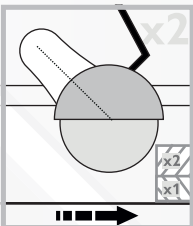
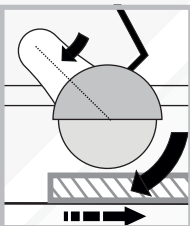
24





* Solo / Only DX-350-N



 Ø 90 mm • 3,5 "		 x1		 x1		 x2		 x1	
DX-250 1000									
250-25,4 mm 10-1 "	mm	100 cm	10 mm		84 cm	100 mm	112 cm	0-70 mm	
	"	39,4 "	0,4 "		33 "	3,44 "			
	mm	100 cm	15 mm		81 cm	120 mm			
	"	39,4 "	0,6 "		31,8 "	4,72 "			
	mm	98 cm	30 mm		79 cm	140 mm	44,3 "	0-2,75 "	
	"	38,2 "	1,2 "		31,1 "	5,5 "			
	mm	96 cm	50 mm		78 cm	145 mm			
	"	32,8 "	2 "		30,7 "	5,7 "			
	mm	95 cm	70 mm						
"	37,4 "	2,75 "							
DX-250 1400									
300-25,4 mm 12-1 "	mm	140 cm	10 mm		124 cm	100 mm	152 cm	0-70 mm	
	"	55,1 "	0,4 "		44,49 "	3,94 "			
	mm	140 cm	15 mm		121 cm	120 mm			
	"	55,1 "	0,6 "		44,29 "	4,72 "			
	mm	138 cm	30 mm		114 cm	140 mm	59,3 "	0-2,75 "	
	"	54,3 "	1,2 "		42,72 "	5,5 "			
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	mm	135 cm	70 mm						
"	53,1 "	2,75 "							
		 x1		 x1		 x2		 x1	

Servicio postventa

After-sales service

Service après-vente

Servei post-venda

Serviço pós-venda

Servizio post-vendita

Kundendienst

Eftersalgsservice

After-sales service

П о с т - п р о д а ж н о е

обслуживание

Satış sonrası servis

Serwis posprzedażny

Takuvhuolto

Záruční servis

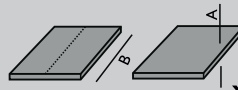
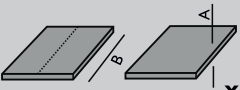
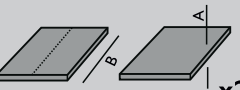
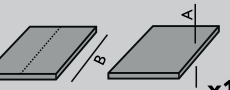
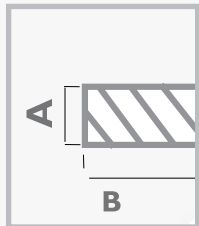
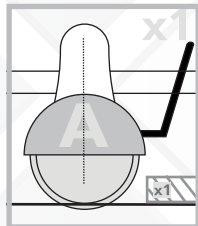
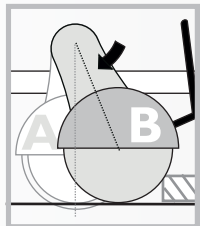
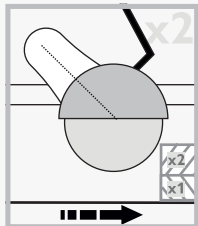
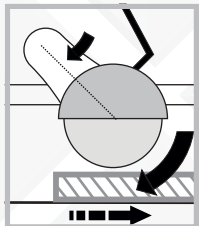
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Ronda de l'Albomar, 24-26

43710 Santa Oliva

Tarragona (Spain)

Tel: +34 977 16 90 50

 Ø 90 mm • 3,5 "		 x1		 x1		 x2		 x1		
DX-350-N 1000										
300-25,4 mm 12-1 "	mm	102,5 cm	10 mm			83 cm	100 mm	118,5 cm	0-105 mm	
	"	40,35 "	0,4 "			32,68 "	4 "			
	mm	100,5 cm	15 mm			82,5 cm	120 mm			
	"	39,57 "	0,6 "			32,48 "	4,7 "			
	mm	99,5 cm	30 mm			78,5 cm	140 mm	46,2 "	0-5 "	
	"	39,17 "	1,2 "			30,91 "	5,5 "			
	mm	98,5 cm	50 mm			73,5 cm	170 mm			
	"	38,78 "	2 "			28,94 "	6,7 "			
350-25,4 mm 14-1 "	mm	97 cm	90 mm					100 cm	0-120 mm	
	"	38,19 "	3,5 "							
	mm	100 cm	10 mm	80,5 cm	100 mm	84 cm	140 mm			
	"	39,4 "	0,4 "	31,69 "	3,9 "	33 "	5,5 "			
	mm	98 cm	15 mm	80 cm	120 mm	81 cm	170 mm	39,4 "	0-4,7 "	
	"	38,58 "	0,6 "	31,50 "	4,7 "	31,8 "	6,7 "			
	mm	97 cm	30 mm			79 cm	200 mm			
	"	38,19 "	1,2 "			31,1 "	7,9 "			
300-25,4 mm 12-1 "	mm	96 cm	50 mm			78 cm	220 mm	148,5 cm	0-105 mm	
	"	37,80 "	2 "			30,7 "	8,2 "			
	mm	94,5 cm	90 mm							
	"	37,20 "	3,5 "							
	350-25,4 mm 14-1 "	mm	132,5 cm	10 mm			113 cm	100 mm	58,2 "	0-5 "
		"	52,17 "	0,4 "			44,49 "	4 "		
		mm	130,5 cm	15 mm			112,5 cm	120 mm		
		"	51,38 "	0,6 "			44,29 "	4,7 "		
mm		129,5 cm	30 mm			108,5 cm	140 mm	130 cm	0-120 mm	
"		50,98 "	1,2 "			42,72 "	5,5 "			
mm		128,5 cm	50 mm			103,5 cm	170 mm			
"		50,59 "	2 "			40,75 "	6,7 "			
350-25,4 mm 14-1 "	mm	127 cm	90 mm					51,18 "	0-4,7 "	
	"	50 "	3,5 "							
	mm	130 cm	10 mm	110,5 cm	100 mm	106 cm	140 mm			
	"	51,18 "	0,4 "	43,50 "	3,9 "	41,73 "	5,5 "			
	mm	128 cm	15 mm	110 cm	120 mm	101 cm	170 mm	148,5 cm	0-105 mm	
	"	50,39 "	0,6 "	43,31 "	4,7 "	39,76 "	6,7 "			
	mm	127 cm	30 mm			98 cm	200 mm			
	"	50,00 "	1,2 "			38,58 "	7,9 "			
300-25,4 mm 12-1 "	mm	126 cm	50 mm			96,5 cm	220 mm	58,2 "	0-5 "	
	"	49,61 "	2 "			37,99 "	8,2 "			
	mm	124,5 cm	90 mm							
	"	49,02 "	3,5 "							
		 x1				 x2		 x1		

DX-250 1000	mm	250 mm	25,4 mm	112 cm	79X79 cm	70 mm	145 mm	· Por giro del cabezal · By head rotation · Par rotation de la tête · Per gir del capçal · Por giro do cabeçal · Tramite rotazione della testa · Durch Drehen des Kopfstücks · Per draai van de zaagkop · Поворотом головки · Başlığın çevrilmesi için. · Przech obrót głowicy · Già kápe strofin thv kefalá pyrínis · Nakloněním portálu	76	170x73x86 cm	100x60 cm	IP 54	76,9dB (A)+1,75
	"	10 "	1 "	44 1/8"	31 1/8 x 31 1/8"	2 3/4"	5 11/16"		167,8 lb	66 15/16 x 28 3/4 x 33 7/8"	39,4x23,6 "		
DX-250 1400	mm	250 mm	25,4 mm	152 cm	107,5X 107,5 cm	70 mm	145 mm	· Por giro del cabezal · By head rotation · Par rotation de la tête · Per gir del capçal · Por giro do cabeçal · Tramite rotazione della testa · Durch Drehen des Kopfstücks · Per draai van de zaagkop · Поворотом головки · Başlığın çevrilmesi için. · Przech obrót głowicy · Già kápe strofin thv kefalá pyrínis · Nakloněním portálu	87	200x73x86 cm	130x60 cm	IP 54	76,9dB (A)+1,75
	"	10 "	1 "	59 13/16"	42 5/16 x 42 5/16"	2 3/4"	5 11/16"		191 lb	66 15/16 x 28 3/4 x 33 7/8"	51,2x23,6 "		
DX-350-N 1000	mm	300/350 mm	25,4 mm	118,5 cm	83,5X83,5 cm	105 mm	220 mm	· Por giro del cabezal · By head rotation · Par rotation de la tête · Per gir del capçal · Por giro do cabeçal · Tramite rotazione della testa · Durch Drehen des Kopfstücks · Per draai van de zaagkop · Поворотом головки · Başlığın çevrilmesi için. · Przech obrót głowicy · Già kápe strofin thv kefalá pyrínis · Nakloněním portálu	100,5 Kg	170x73x86 cm	100x60 cm	IP 54	76,9dB (A)+1,75
	"	12"/14 "	1 "	46 5/8"	32 7/8 x 32 7/8"	4 1/8"	8 11/16"		224,9 lb	66 15/16 x 28 3/4 x 33 7/8"	39,4x23,6 "		
DX-350-N 1300	mm	300/350 mm	25,4 mm	148,5 cm	105X105 cm	105 mm	220 mm	· Por giro del cabezal · By head rotation · Par rotation de la tête · Per gir del capçal · Por giro do cabeçal · Tramite rotazione della testa · Durch Drehen des Kopfstücks · Per draai van de zaagkop · Поворотом головки · Başlığın çevrilmesi için. · Przech obrót głowicy · Già kápe strofin thv kefalá pyrínis · Nakloněním portálu	107 Kg	200x73x86 cm	130x60 cm	IP 54	76,9dB (A)+1,75
	"	12"/14 "	1 "	58 7/16"	41 5/16 x 41 5/16"	4 1/8"	8 11/16"		235,9 lb	66 15/16 x 28 3/4 x 33 7/8"	51,2x23,6 "		

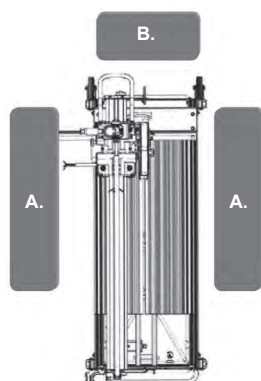
CONJUNTO MÁQUINA / THE OVERALL MACHINE / ENSEMBLE MACHINE / CONJUNT MÁQUINA / CONJUNTO MÁQUINA / CONGIUNTO MACCHINA / MASCHINENBAUGRUPPE / MACHINE INSTELLEN / SAMLEDE (SÆT) MASKINEN / СТАНОК / MAKINE SETI / KOMPLETNA MASZYNA / TEKNISET OMINAISUUDET / PŘEHLED VYRÁBĚNÝCH TYPŮ

		230V - 50Hz	220V/60Hz	220V/60Hz INCH	120V/50Hz	120V/60Hz INCH
DX-250 1000	REF.	52900	52901	52902	52903	52904
DX-250 1400	REF.	52910	52911	52912	52913	52914
DX-350-N 1000	REF.	52905	52906	—	52907	52908
DX-350-N 1300	REF.	52915	52916	—	52917	52918
	(KW)	2,2	2,2	2,2	2,2	2,2
	RPM	2800	3400	3400	2800	3400
		S6 60%*	S6 60%*	S6 60%*	S6 60%*	S6 60%*
		56973	56973	56973	56974	56974



* 4 minutos marcha - 6 minutos paro / 4 minutes start - stop 6 minutes / 4 minutes en position marche - 6 minutes en position arrêt / 4minuts marxa - 6 minuts atur / 4 arranque - 6 minutos paragem / 4 minuti movimento - 6 minuti fermo / 4 Minuten Betrieb - 6 Minuten Stillstand / 4 minuten opstarten - 6 minuten pauze / Arbejdsloshed 4 minutter - 6 minutter starter / 4 минут функционирования - 6 минут останова / 4 minut praca - 6 minut zatrzymanie / 4 minuuttia käynnistys - 6 minuuttia pysäytys / 4 dakika başlar - 6 dakika durur / 4 minuty v provozu - 6 minuty v klidu.

Esta máquina está sometida a conexión condicional y sólo debe ser conectada a líneas de alimentación con una impedancia inferior o igual a 0.300+J0.175 Ohm. Consultar con distribuidor en caso de ser necesario. / Maszyna jest podlega podłączeniu warunkowemu i powinna być zasilana z sieci o impedancji mniejszej lub równej 0,300 + J0.175 Ohm. W razie potrzeby należy skontaktować się z dystrybutorem. / Questa macchina è sottomessa a collegamento condizionale e deve essere collegata soltanto a linee di alimentazione con una impedenza inferiore o uguale a 0.300+J0.175 Ohm. Consultare il rivenditore se necessario. / This machine must be used with a conditional connection and should only be connected to power lines/cables with an impedance of less than or equal to 0.300 + J0.175 Ohm. Consult the manufacturer, for further information.



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 / Werkgebid 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 prevista per piastrelle fino a 60 cm. / Arbeitsbereich für Fliesen von bis zu 60 cm Seitenlänge. / Werkgebid 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.