

# ***DYNAMIC***

***ORIGINAL MADE IN ITALY***

**IT**

**ISTRUZIONI PER L'USO DELLA  
SEGATRICE PER EDILIZIA**

**GB**

**OPERATING INSTRUCTIONS  
MASONRY SAWS**

**F**

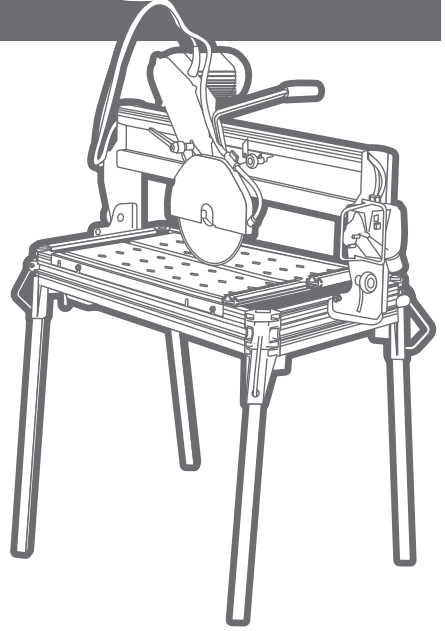
**MODE D'EMPLOI  
SCIE SURTABLE DE CHANTIER**

**D**

**BEDIENUNGSANLEITUNG  
SÄGEMASCHINE FÜR DAS BAUWESEN**

**E**

**MANUAL DE INSTRUCCIONES  
CORTADORA PARA OBRA**












**CE EAC**

**BATTIPAV™**

**MACHINE PER EDILIZIA | MACHINES FOR BUILDING**

## DATI TECNICI - TECHNICAL DATA - DONNÉES TECHNIQUES - TECHNISCHE DATEN - DATOS TÉCNICOS

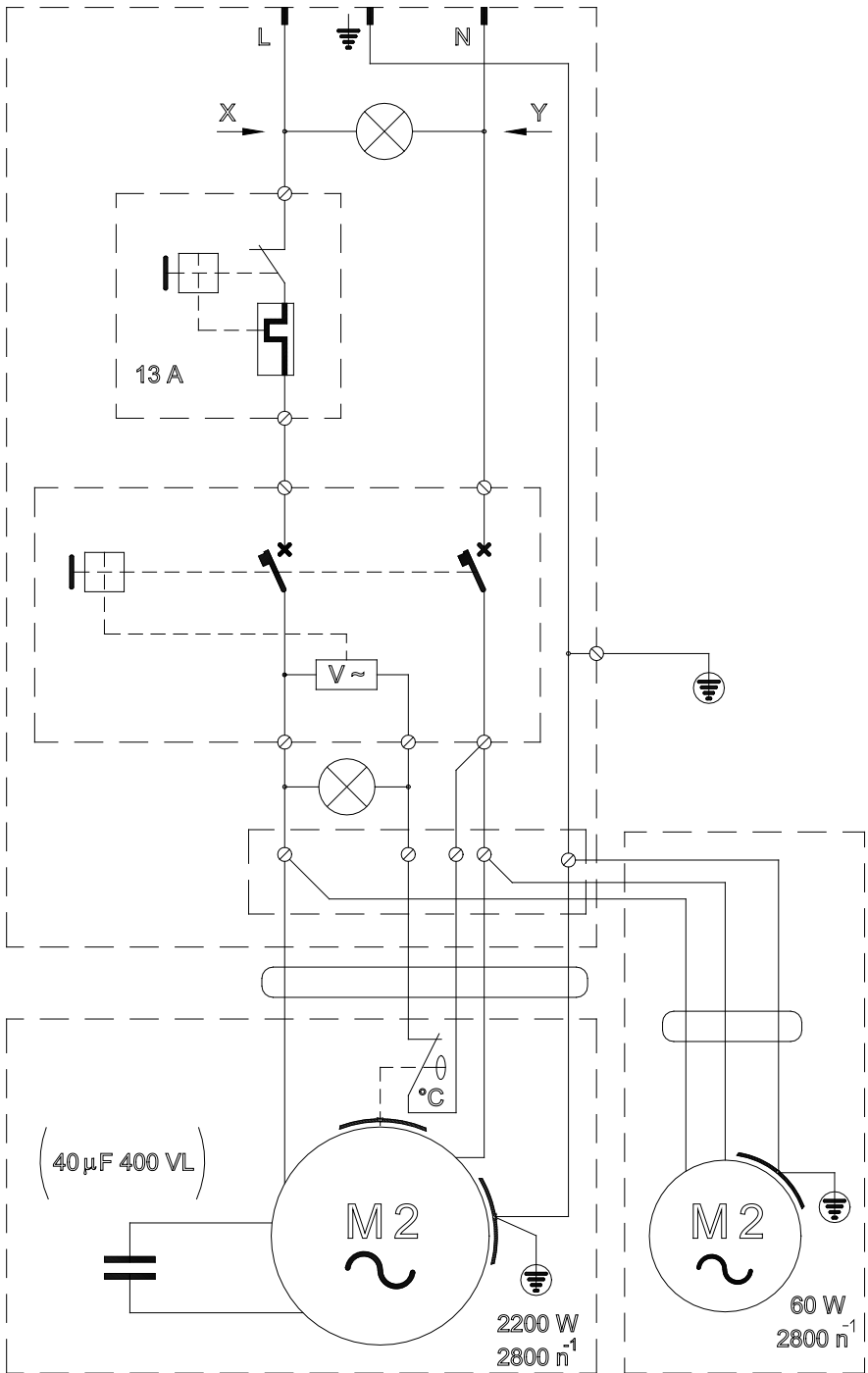
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70760	760 mm.	535 x 535 mm.	110 mm.	65 mm.	200 mm.	300 / 25,4 mm	3 hP/ 2,2kW	720x1300x 940 mm.	60 Kg.
70761	760 mm.	535 x 535 mm.	110 mm.	65 mm.	200 mm.	300 / 25,4 mm	3 hP/ 2,2kW	720x1300x 940 mm.	64 Kg.
701200	1200 mm.	850 x 850 mm.	110 mm.	65 mm.	200 mm.	300 / 25,4 mm	3 hP/ 2,2kW	720x1950x 1100 mm.	81 Kg.
701201	1200 mm.	850 x 850 mm.	110 mm.	65 mm.	200 mm.	300 / 25,4 mm	3 hP/ 2,2kW	720x1950x 1100 mm.	85 Kg.



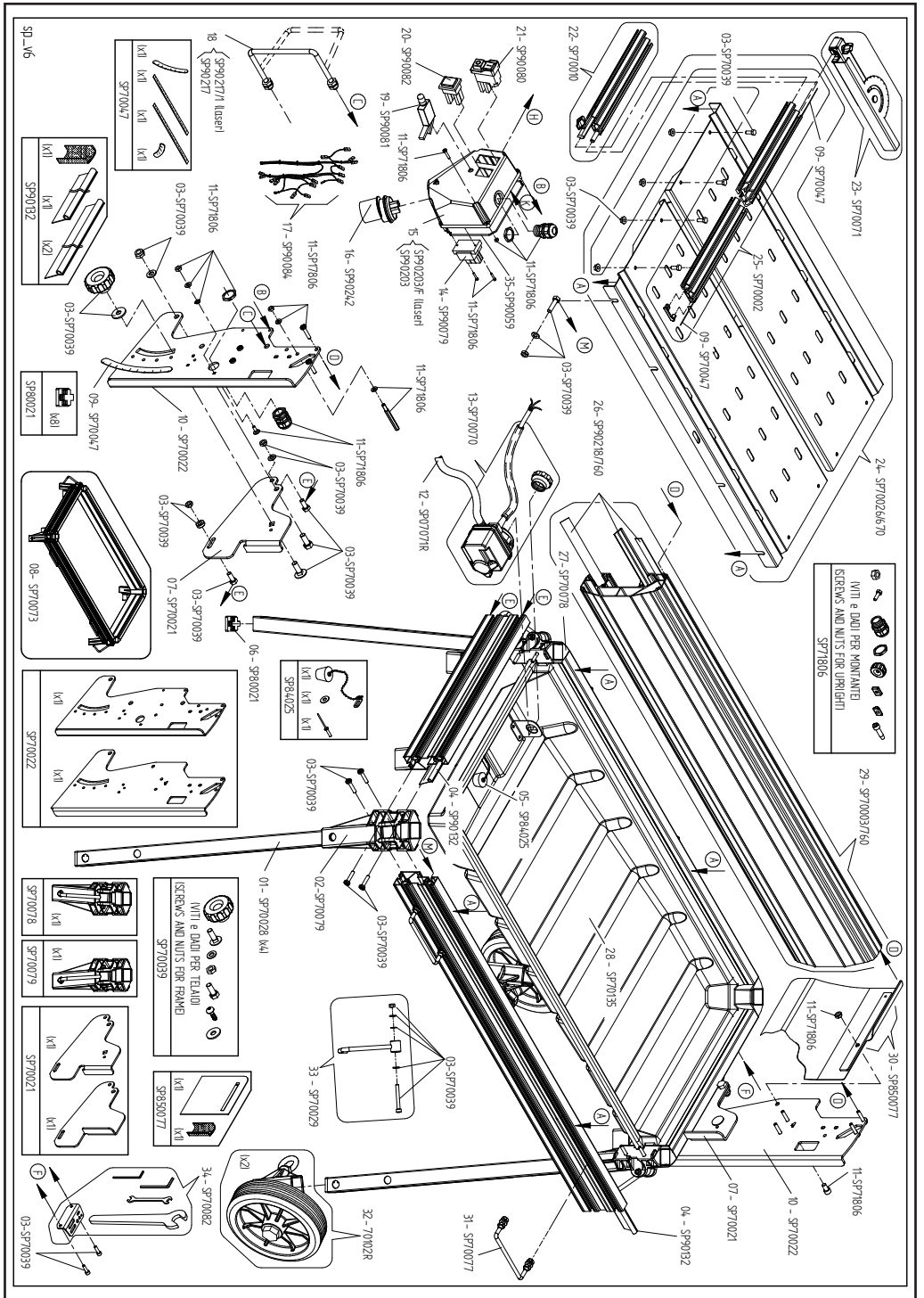
OFFICIAL CHANNEL

[www.youtube.com/battipav](http://www.youtube.com/battipav)

230V ~ 50Hz






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







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 SP7806




    
 VITI E DADI PER TELAIO  
 SIRENS AND NUTS FOR FRAME  
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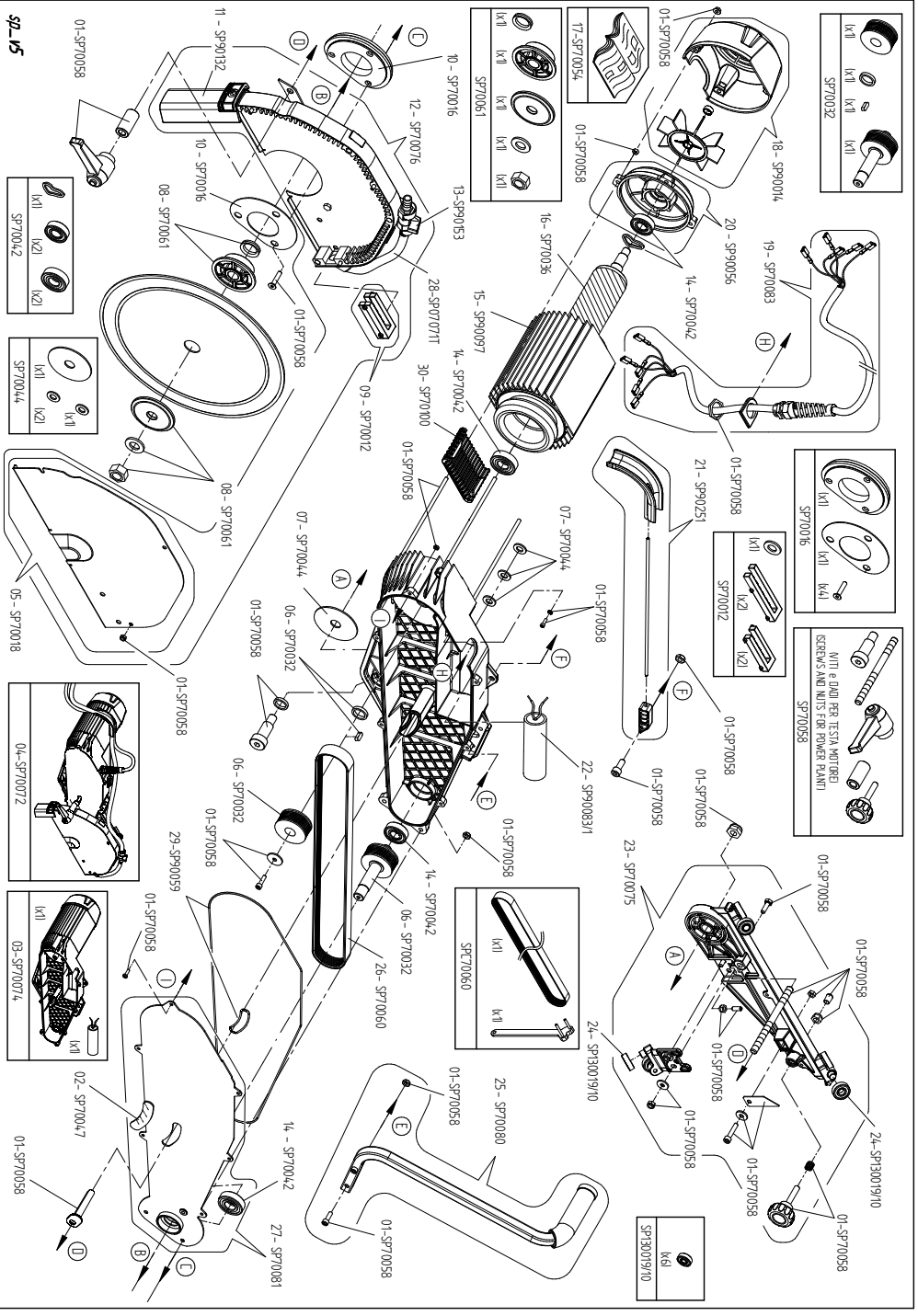
    
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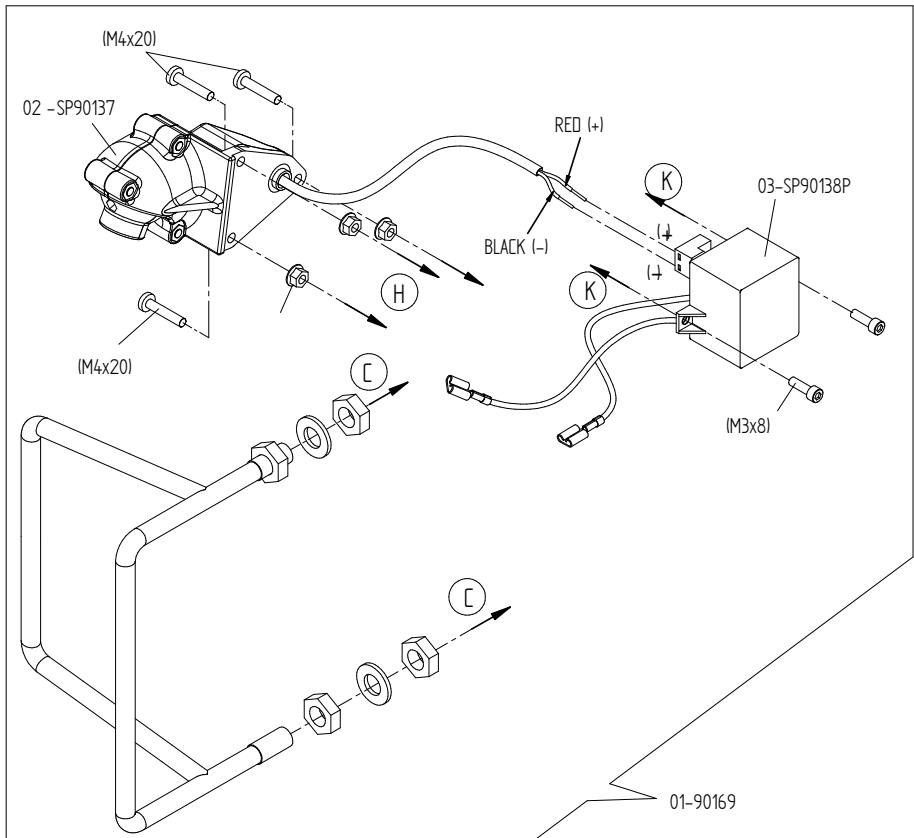
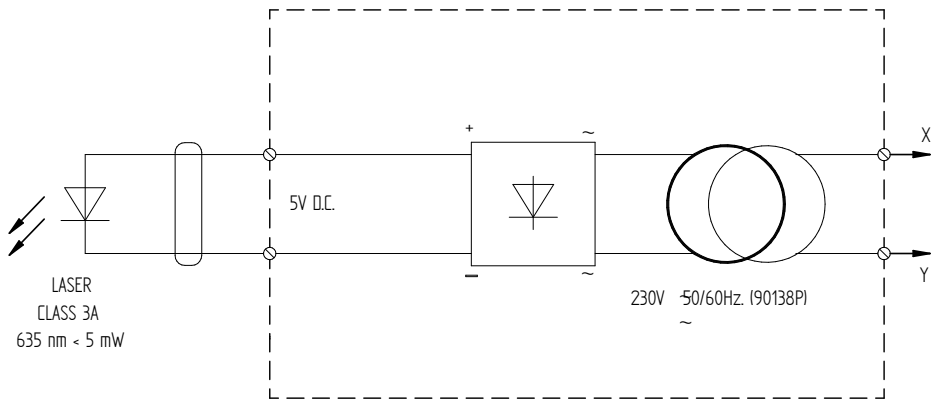
    
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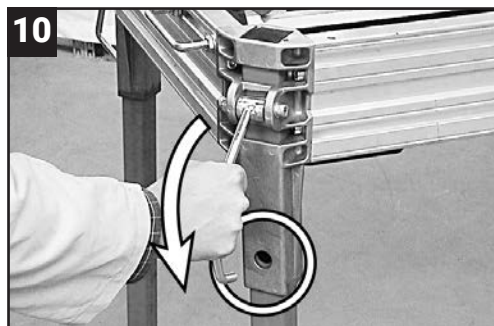
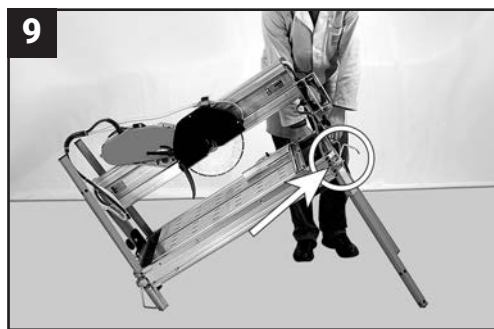
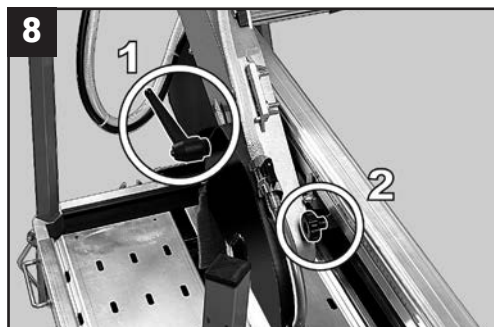
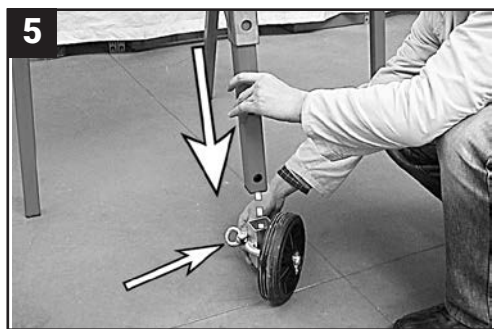
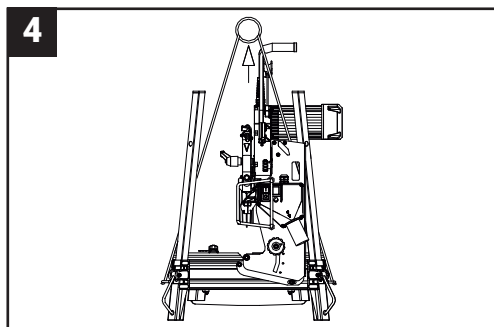
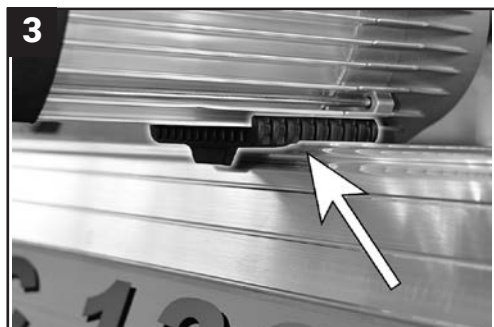


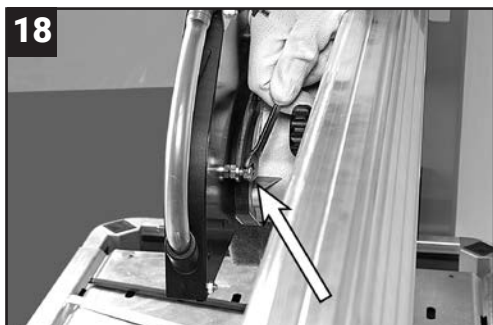
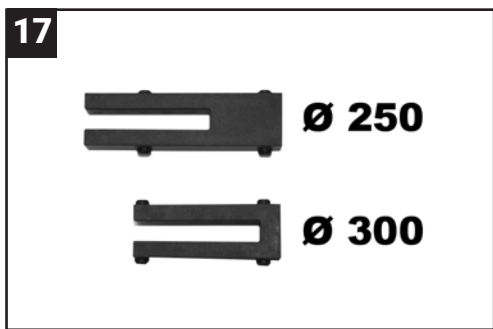
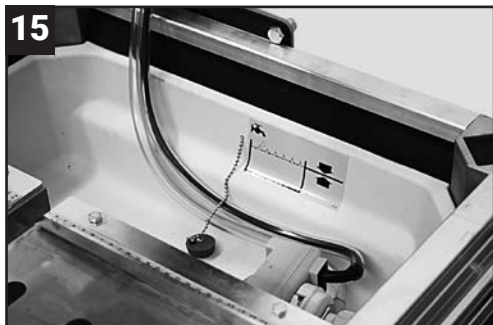
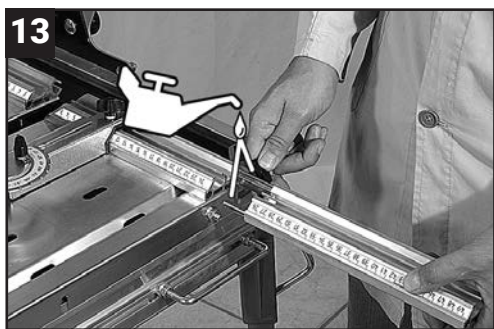


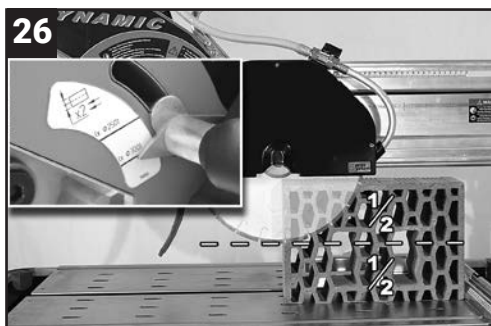
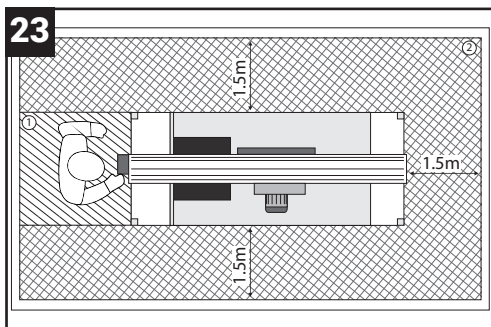
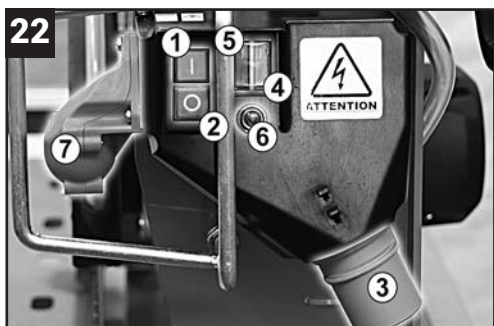
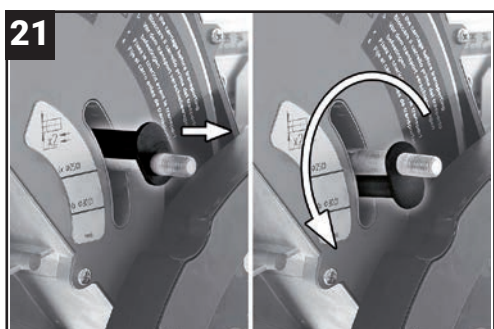
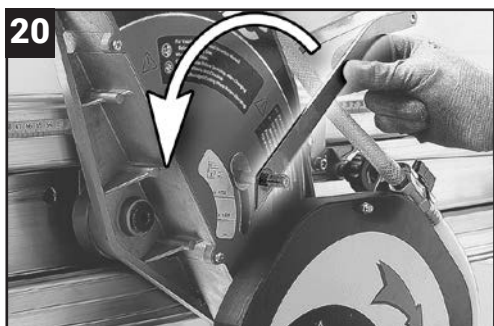


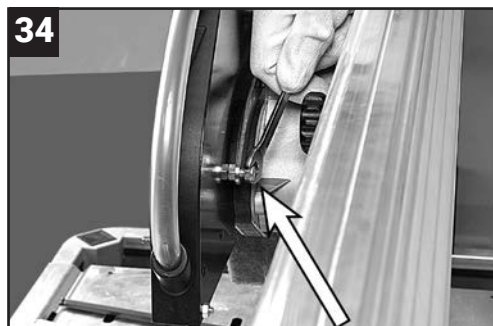
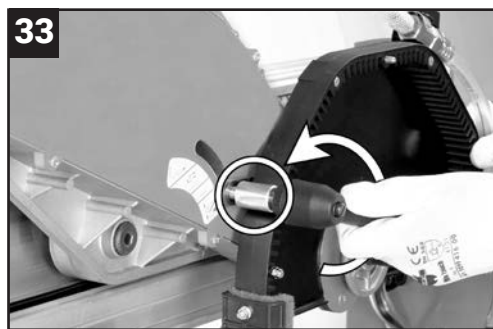
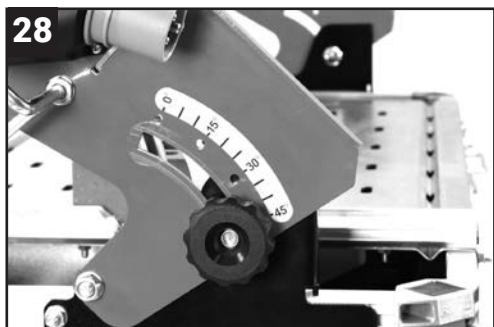


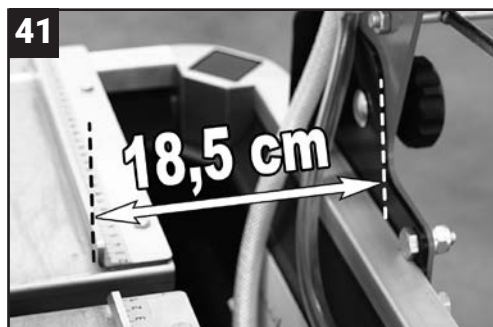
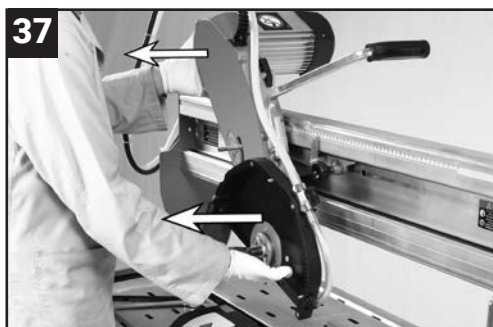
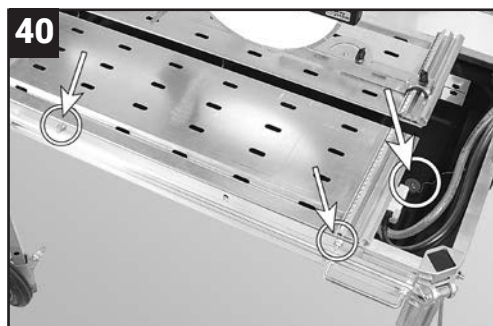
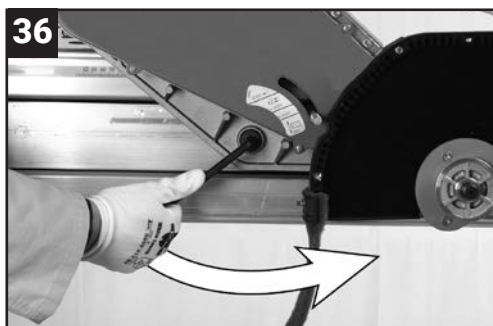
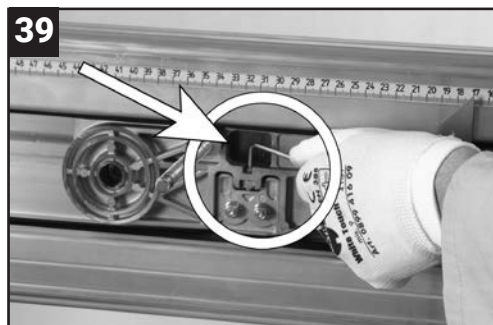
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<b>DICHIARAZIONE CE DI CONFORMITÀ</b>	<b>EC DECLARATION OF CONFORMITY</b>	<b>DECLARATION CE DE CONFORMITE</b>	<b>EG-KONFORMITÄT-SERKLÄRUNG</b>	<b>DECLARACIÓN DE CONFORMIDAD CE</b>
Il sottoscritto, rappresentante il seguente costruttore	The undersigned, representing the following manufacturer	Le soussigné, représentant le constructeur ci-après	Der Unterzeichner, der den nachstehenden Hersteller vertritt	El abajo firmante, en representación de
<b>BATTIPAV S.R.L.</b>				
<b>Z.i. 2 - Via Cavatorta, 6/1 - 48033 Cotignola (Ra) ITALY</b>				
dichiara qui di seguito che la taglierina per cemento, pietre naturali, granito, materiali abrasivi	herewith declares that the cutting machine for concrete, natural stone, granite, abrasive materials	déclare par la présente que le coupe-carreaux pour béton, pierre naturelle, granit, de matériaux abrasifs	erklärt hiermit, daß die Schneidemaschine für Beton, Naturstein, Granit, abrasive Materialien	declara que la cortadora para hormigón, piedra natural, granito, materiales abrasivos
<b>Mod. 70760 - 70761 - 701200 - 701201</b>				
<b>230 V ~ 50 Hz 2200 W</b>				
<b>S6 40% 2800 min-1</b>				
<b>MOTOR CLASS F</b>				
risulta in conformità a quanto previsto dalle seguenti direttive comunitarie: DIRETTIVA 2006/42/CE, DIRETTIVA 2006/95/CE, DIRETTIVA 2004/108/CE, DIRETTIVA 2002/96/CE. e che sono state applicate tutte le norme e/o specifiche tecniche indicate.	is in conformity with the provisions of the following EC directives: 2006/42, 2006/95, 2004/108, 2002/96 and that the standards and/or technical specifications referenced have been applied.	est conforme aux dispositions des directives CE suivantes: DIRECTIVE 2006/42/CE, DIRECTIVE 2006/95/CE, DIRECTIVE 2004/108/CE, DIRECTIVE 2002/96/CE. et que les normes et/ou spécifications techniques ont été appliquées.	in Übereinstimmung ist mit den Bestimmungen der nachstehenden EG-Richtlinien: EG RICHTLINIE 2006/42, EG RICHTLINIE 2006/95, EG RICHTLINIE 2004/108, EG RICHTLINIE 2002/96. und daß die Normen und/oder technischen Spezifikationen, zur Anwendung gelangt sind.	es conforme con las disposiciones de las siguientes directivas CE: DIRECTIVA 2006/42/CE, DIRECTIVA 2006/95/CE, DIRECTIVA 2004/108/CE, DIRECTIVA 2002/96/CE y que se han aplicado las normas y/o especificaciones técnicas referenciadas.
<b>EN ISO 12100-1, EN ISO 12100-2, EN ISO 14121-1, EN 61029-1, EN 60335-1, EN 60335-2-41, EN 12418, IEC 1029-2-7</b>				
e autorizzo Zoli Alberto a costituire il fascicolo tecnico	and Zoli Alberto is authorized to compile the technical file	et Alberto Zoli est autorisé à constituer le dossier technique	und Alberto Zoli ist berechtigt, die technischen Unterlagen zusammenzustellen	y Alberto Zoli tiene autorización para elaborar el expediente técnico
Data di costruzione N° di Serie:	Date of manufacture Series N.	Date de fabrication N° de série	Produktionsdatum Seriennummer	Fecha de fabricación N° de serie:
Direttore Generale Claudio Tondini	General Manager Claudio Tondini	Le Directeur Général Claudio Tondini	Der Generaldirektor Claudio Tondini	Director General Claudio Tondini
				













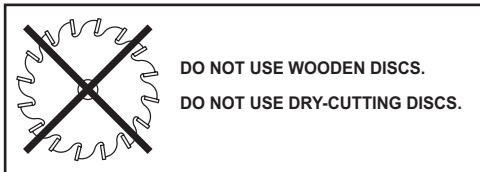
**"TRANSLATION OF THE ORIGINAL INSTRUCTIONS"****PURPOSE OF THIS MANUAL**

This manual is an integral part of the machine. It was produced by BATTIPAV S.R.L. to provide those authorised to work with the machine with the information required for its foreseeable lifespan. Before starting to use this machine read the safety chapter carefully.

Each machine is subjected to a series of tests and carefully checked before leaving our factory. BATTIPAV S.R.L. is constantly striving to develop their machines and therefore reserves the right to make any change without prior notice. Therefore, no claims may be made on the basis of the data and illustrations contained in this manual.

**SAFETY INFORMATION**

- The manufacturer accepts no responsibility where the DYNAMIC cutter is used with any tools other than those specified in the "RECOMMENDED USE" paragraph.



- DYNAMIC is made to operate exclusively under the conditions indicated under "TYPE OF OPERATION ALLOWED", in the "TECHNICAL DATA" paragraph.
- During cutting operations, allow the machine to rest as indicated.
- DYNAMIC is not made for use with a continuous load.

**CAUTION**

**DO NOT USE DIAMOND TIPPED DISCS OF LOW QUALITY OR THAT ARE NOT SUITABLE FOR THE SPECIFIC USE FOR WHICH THE MANUFACTURER SUPPLIED THEM. THE USE OF POOR QUALITY DISCS CAN HARM THE OPERATOR AND DAMAGE THE MACHINE, AS WELL AS SIGNIFICANTLY SLOWING THE WORK.**

**CAUTION**

**THE MACHINE IS NOT INTENDED FOR USE IN AN EXPLOSIVE ENVIRONMENT**

**CAUTION**

**ALWAYS USE INDIVIDUAL PROTECTION DEVICES TO REDUCE THE RISKS CAUSED BY WORK. NEVER START THE MACHINE WHEN THE CUTTING TOOL IS MOVING; WAIT FOR IT TO STOP.**

**Warning! When using electric tools, following safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. Read and follow all these instructions before attempting to operate this product and save them with care!**

**SAVE THESE INSTRUCTIONS WITH CARE.****Keep your work area perfectly clean**

- Cluttered areas invite injuries.

**Consider work area environment**

- Don't expose tools to rain.
- Don't use tools in damp or wet locations. Keep work area well lit.
- Don't use tools in presence of flammable liquids or gases.

**Guard against electric shocks**

- Prevent body contact with grounded surfaces.

**Keep children away!**

- Do not let third parties contact tool or extension cord. All visitors should be kept away from work area.

**Store your tools in a save place**

- When not in use, tools should be stored in dry and save places, out of the reach of children.

**Don't force tool**

- It will function better and in a safer way at the rate for which it was intended.

**Use the right tool**

- Don't use low duty tools or accessories to do the job of a heavy-duty tools. Don't use tools for purposes not intended.



**Dress properly**

- Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair. Use safety glasses.
- Use a mask if working operations are dusty.

**Don't abuse cord**

- Never carry tool by cord or yank it to disconnect it from socket.
- Keep cord from heat, oil and sharp edges.

**Avoid unsteady positions**

- Be sure to work in a safe and balanced position.

**Maintain tools with care**

- Keep tools sharp and clean for better and safer performance.
- Follow all maintenance advice and instructions to replace accessories subject to wear. Inspect tool cords periodically and, if damaged, have them repaired by an authorised expert. Check extension cords periodically and replace them if damaged. Keep handles dry, clean and free from oil and grease.

**Disconnect tools**

- When not in use, before servicing, and when changing accessories subject to wear.

**Remove service keys from tool**

- Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

**Avoid unintentional starting**

- Be sure that the switch is off when plugging in the tool.

**Extension cords for outdoor works**

- When tool is used outdoors, use only extension cords intended for this particular use and so marked.

**Stay alert**

- Watch what you are doing. Use common sense. Do not operate tool when you are inattentive.

**Check tool for damaged parts**

- Before further use of the tool, check it and the safety devices for damages and be sure that they operate properly. Check for functioning and binding of moving parts, breakage of parts, correct mounting, and any other conditions that may affect the correct operation of the tool.
- Damaged safety devices or other parts should be properly repaired or replaced by an authorised Service Centre unless otherwise indicated elsewhere in this instruction manual.
- Have defective switches replaced by an authorised Service Centre.
- Do not use tool if its switch cannot be turned on or off.

**Warning**

- For your personal safety use only accessories recommended in this instruction manual or in the relevant catalogues. The use of any other accessory or attachment other than those recommended in this instruction manual or in the relevant catalogue may present a risk of personal injury.

**Have tools repaired by qualified personnel**

- This electric appliance is in accordance with the safety rules in force. Only qualified experts may carry out repairing of electric appliances otherwise it may cause considerable danger for the user.

**MANUFACTURER AND MACHINE**

The nameplate shown is fitted directly on the machine. It indicates all the references and information necessary for safe operation.



**BATTIPAV™**

TYPE	<b>A</b>	art.	<b>B</b>	N°	<b>C</b>			
V~	<b>D</b>	Hz	<b>E</b>	A	<b>F</b>	P	<b>G</b>	
min-1	<b>H</b>	cl.is	<b>I</b>	<b>L</b>	IP	<b>M</b>	YEAR	<b>N</b>
Ø max	<b>O</b>	Ø int.	<b>P</b>	<b>ERC CE</b>				<b>U</b>
<b>Q</b>								<b>R</b>

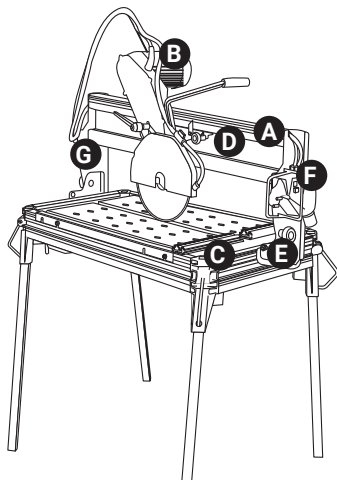
Made by: BATTIPAV SRL  
Via Cavatorta, 6/1 Z.I. 2 - 48033 - Cotignola (RA) ITALY

<b>A</b>	Machine model	<b>M</b>	IP Level
<b>B</b>	Item	<b>N</b>	Year of manufacture
<b>C</b>	Serial number	<b>O</b>	Max tool diameter
<b>D</b>	Power supply voltage	<b>P</b>	Internal tool diameter
<b>E</b>	Power supply frequency	<b>Q</b>	Accessories
<b>F</b>	Current absorption	<b>R</b>	Accessories
<b>G</b>	Installed power rating	<b>S</b>	Manufacturer's name
<b>H</b>	Tool rotation speed	<b>T</b>	Manufacturer's name and address
<b>I</b>	Class of protection	<b>U</b>	Certification Marks
<b>L</b>	Starter capacitor		

**SIGNS**

Symbols and signs:  
Danger/prohibition stickers are applied to the machine where necessary. Look at these prior to using the machine.

<b>A</b>		<b>Use of prescribed PPE obligatory (Safety eyewear and earmuffs)</b>
<b>A</b>		<b>Use of prescribed PPE obligatory ( Protective Gloves )</b>
<b>A</b>		<b>Use of prescribed PPE obligatory ( Protective Gloves )</b>
<b>A</b>		<b>Do not use discs for wood or metal</b>
<b>A</b>		<b>Do not use discs for wood or metal</b>
<b>A</b>		<b>Earth connection</b>
<b>B</b>		<b>Do not wash with water under pressure</b>
<b>C</b>		<b>Recovery tank water level</b>
<b>E</b>		<b>Instructions</b>
<b>F</b>		<b>Instructions</b>
<b>F</b>		<b>Presence energy electric</b>



## MACHINE DESCRIPTION

The DYNAMIC site cutter is a machine intended specifically for cutting bricks, natural stone, granite, concrete items and similar materials, up to a thickness of 200 mm.

The machine uses a wet diamond tipped tool cutting system and is intended for personnel specialized in the construction sector.

The operator works in front of the narrow side of the machine, within reach of the operating controls, and positions the material to be cut on the moving worktop. He/she starts the machine and moves the cutting head to bring the tool into contact with the material.

## TECHNICAL DATA

Voltage: 230V 50Hz~

Power absorbed: 2,2 Kw

### Admissible working conditions:

INTERMITTENT SERVICE S6 40%

40% under load running

60% loadless functioning

Rotation speed: 2800 min<sup>-1</sup>

Amperometric circuit breaker: 13 A

Thermal circuit breaker: 160°C

IP Degree: 54

## RECOMMENDED USE:

### CUTTING TOOL DIAMOND BLADE WET CUTTING CONTINUOUS CROWN:

ceramic, marble, stone, single-fired ceramic

### LASER/SECTORS:

cement, natural stones, granite, abrasive materials

### TURBO:

cement, natural stones, granite, refractory.

## THE TOOL / MATERIAL TO BE CUT MATCHES ARE PURELY INDICATIVE.

**ALWAYS FOLLOW THE INTENDED USE INDICATIONS PROVIDED BY THE CUTTING TOOL MANUFACTURER BEFORE ANY APPLICATION.**

Water recirculation pump: S2 230V 50/60Hz

The noise level of the machine has been measured in compliance with standards UNI EN12418, EN3744.

LW - SOUND POWER LEVEL = 79.8/0.0 dB(A) /mW(A)

LOP - SOUND POWER LEVEL AT THE OPERATOR POSITION= 68.5 dB(A)

LOP Max - PEAK SOUND POWER LEVEL AT THE OPERATOR POSITION= 80.7 dB(C)

Measurements have been performed without load and at maximum speed using a cutting tool with a diameter of 350 mm, sectors type, Art. 867.

In working conditions, the machine creates a noise emission above 85 dB(A).

The level of vibration transmitted to the hand-arm system has been measured according to standard UNI EN ISO 5349-1 while cutting porcelain bricks.

(L 280 x W 140 x H 100 mm) using a cutting tool with a diameter of 350 mm, sectors type, Art. 967.

-Acceleration analysed at =1.15 m/s<sup>2</sup> (measurement uncertainty 0.28 m/s<sup>2</sup>)

## INSTALLATION

### TRANSPORT

The DYNAMIC machine can be easily moved by using the transport handles.

Before carrying the machine make sure that:

- 3** • the sliding carriage is in the locked position;
- the motor carriage is locked by means of the locking knob located on the slide rail;
- 3** • the legs are in transport position; tor head is locked by means of the locking lever;

### CAUTION



- 4** TO MOVE THE MACHINE, USE A FOUR-ARM TIE ROD, BY MAKING USE OF THE HOOKS IN THE TRANSPORT HANDLES.

- 4** To move the machine, use a four-arm tie rod with the capacity to lift 200 kg or at least 20% more than the machine weight, by making use of the hooks in the transport handles.

### HANDLING

By using the "transport wheels" accessory, the machine can be moved with the aid of a second person.

### CAUTION



**IN ORDER NOT TO COMPROMISE THE MACHINE STABILITY, KEEP STRICTLY TO THE FOLLOWING PROCEDURES. WITH THE AID OF A SECOND PERSON, HOLD THE MACHINE DURING THE WHEEL KIT INSTALLATION OPERATIONS.**

When the machine is in working position:

- a) loosen the leg locking pin on the opposite side of the control unit;
- 5** b) lift the leg and put it in the wheel support;
- c) lock the leg with the relative locking pin;
- 5** d) tighten the wheel support setscrew;
- e) repeat the operation for the other wheel.

### CAUTION



**IN ORDER TO FACILITATE THE DYNAMIC MACHINE MOVEMENT IN THE YARD, WE RECOMMEND LOWERING IT UNTIL THE LOWERED POSITION.**

- a) loosen the leg locking pins on the front side, one at a time, holding the machine from the transport handles;
- 6** b) lower the machine front side, making the legs slide inside the supports until the leg middle hole matches the hole of the supports;
- c) lock the legs by means of the relevant leg locking pins;
- d) repeat the operations indicated in points (a), (b), (c) for the rear side.

- 7** LOCK THE CARRIAGE AND THE MOTOR HEAD BEFORE MOVING THE MACHINE.

### POSITIONING

Place the machine on a stable surface.

To place the machine in working position, proceed as follows:

### CAUTION



**MAKE SURE THAT:**

- 8** 1) THE BALANCING MOTOR HEAD IS LOCKED BY MEANS OF THE LOCKING LEVER
- 2) THE CARRIAGE IS BLOCKED IN MOTOR HEAD WITH THE LOCKING KNOB AND THE PAD SAFETY IN THE TRANSPORT POSITION

- 9** a) put the leg locking pins in release position ;
- 10** b) by means of the transport handles, lift one side of the machine until the working position.

### CAUTION



- 10** FOR CORRECT MACHINE POSITIONING, MAKE SURE THAT THE LEG UPPER HOLE MATCHES THE LEG COUPLING HOLE, BEFORE FINALLY LOCKING IT.

- 10** c) lock the legs one at a time;

**CAUTION****HOLD THE MACHINE DURING THE LEG LOCKING PHASES.**

- d) Repeat the operation for the opposite side;
- 11** e) Loosen the carriage locking knob located behind the blade cover;
- 12** f) Bring the skid into the working position.
- 13** g) Insert the tile bearing extension, only models 760, 760S.

Install the motor head operating handle as indicated below:

- a) using the 5 mm Allen wrench provided, remove the handle locking screws.
- 14** b) position the handle.
- 14** c) lock the handle with the screws that had been previously removed.

**CHECKING BEFORE USE****CAUTION****THE DYNAMIC MACHINE HAS BEEN DESIGNED FOR WORKING EXCLUSIVELY WITH WATER.**

- 15** • Before any cutting operation, make sure that the water level inside the tank is correct.

**CAUTION**

Before using the machine, check there is power supply.

**CONNECTING TO POWER SUPPLY****CAUTION**

The machine is to be connected to the power supply by a residual current circuit breaker (RCCB) with the following characteristics:

RCCB **In 16 A Id 30 mA**

**N.B. To ensure correct functioning, periodically check the efficiency of RCCBs by pressing the push-button on the front of the device.**

- Make sure that the section of the power supply cable cores has been measured according to the starting current and its length.  
For cables up to 50 m long, a section of 4 mm<sup>2</sup> is enough.
- Before connecting the machine to the power socket, check that the power supply voltage corresponds to that shown on the plate on the machine.
- The machine must be connected to an effective earth wire.  
In case of doubt, do not connect the machine.

**BLADE ASSEMBLY / DISASSEMBLY****Before performing any operation or adjustment, disconnect the machine from the supply mains.**

Loosen the 5 (five) nuts located on the blade cover guard and remove it.

- 16** Remove the blade fixing nut using the 30 mm spanner and the 5 mm Allen wrench.

**CAUTION****THE BLADE FIXING NUT HAS A LEFT-HAND THREAD.**

- Install the new blade, checking for correct direction of rotation as clearly indicated on the tool.
- Tighten the blade and put the blade cover guard back in position.
- In case of blade disassembly, perform the opposite operations.

**Ø 250 MM DIAMOND BLADE ASSEMBLY**

When the machine is sold, it is set for Ø 300 mm tools.

**CAUTION**

**17 IN CASE OF Ø 250 DIAMOND BLADE ASSEMBLY, REPLACE THE SHORT SPRAYER, WHICH IS INSTALLED IN THE STANDARD VERSION, WITH THE LONG SPRAYER PROVIDED.**

- 18** • With the 10 mm wrench, unscrew the block nut of the blade guard transmission lever.
- 19** • Remove the motor head locking lever and the metal spacer.
- 20** • Remove the blade guard transmission lever from the two pins.
- 21** • Extract the "travel limiter" and replace rotated 180°.
- Reassemble everything following the steps described above in reverse order.

**CONTROL DEVICES****CAUTION**

**22** The DYNAMIC machine is equipped with a control board made up of:

**1) START BUTTON: (GREEN COLOUR)**

Press the button fully to activate machine starting.

**2) REGULAR STOP BUTTON: (RED COLOUR)**

Press the button fully to activate machine stop.

**3) DEVICE FOR DISCONNECTION FROM THE MAINS (Plug):**

Machine power supply point.

During the maintenance phases, take out the plug from the device in order to disconnect the machine from the mains.

**4) MAINS PRESENCE WARNING LIGHT (WHITE):**

On: presence of mains voltage.

Off: lack of mains voltage.

**5) MACHINE OPERATION WARNING LIGHT (GREEN):**

It indicates that the machine is working.

**6) OVERCURRENT CIRCUIT BREAKER:**

It intervenes when there is overcurrent, interrupting the machine supply. Its intervention is indicated by the expulsion of the manual reset.

In case of intervention of the circuit breaker, wait a few minutes and reset it by pressing its central pin.

**7) LASER MARKER (Optional su DYNAMIC 700 e 1200)**

It projects the cutting line on the table.

It is enabled when the machine is connected to the mains.

**CUTTING ON THE TABLE****CAUTION**

**23** BEFORE STARTING THE CUTTING OPERATIONS, THE OPERATOR MUST MAKE SURE THAT AT LEAST 150 cm ARE LEFT FREE AROUND THE MACHINE. THE PAD CARRIAGE IS IN THE WORKING POSITION AS IN PHOTO 12.

IN ORDER TO WORK IN SAFETY CONDITIONS, DO NOT LET OTHER PEOPLE REMAIN NEAR THE MACHINE DURING THE CUTTING OPERATIONS.

**CAUTION**

BEFORE PERFORMING THE CUTTING OPERATIONS, MAKE SURE THAT THE MATERIAL IS PROPERLY LEANED AGAINST THE TILE STOPPER. CUTTING FOR THICKNESS OF UP TO:

80 mm	Ø 250 mm blade
110 mm	Ø 300 mm blade

**24** With the locking lever, lower the motor head until placing the cutting blade some millimetres below the working table level.

**25** • Arrange the piece to be cut on the working table at the desired measurement;

**25** • Start the machine and wait until cutting blade cooling water comes out, adjusting the necessary amount by means of the water on-off valve located on the blade guard, and cut;

**CUTTING FOR THICKNESS OF UP TO:****150 mm** **Ø 250 mm blade****200 mm** **Ø 300 mm blade**

By adjusting the position of the cutting head using the locking lever, it is possible to cut materials of a height of up to 150 or 200 mm in two passages.

**26** By making use of the graded index located on the side of the motor head, lower the head until reaching the desired measurement.

- By means of the cutting square, arrange the piece to be cut on the working table at the desired measurement.

**27** • Start the machine and carry out the first cut.

- Turn over the piece 180°, and repeat the cut.

**CUTTING A SURFACE AT 45°****CAUTION**

Before positioning the motor head, make sure that:

- the machine is off;
- the cutting tool is not moving;

**45° CUTTING FOR THICKNESS OF UP TO:****45 mm** **Ø 250 mm blade****65 mm** **Ø 300 mm blade**

**28** Referring to the graded scale located on the machine upright, move the motor head to the 45° position and tighten the knobs.

**29** • With the locking lever, lower the cutting head until placing the blade some millimetres below the table level;

**30** • Arrange the piece to be cut on the working table at the desired measurement;

**30** • Start the machine and wait until cutting blade cooling water comes out, adjusting the necessary amount by means of the water on-off valve located on the blade guard, and cut.

**LASER MARKER****CAUTION**

**Standard on DYNAMIC 760S and 1200S.**

**CLASS IIIA LASER INSTRUMENT**

By means of the laser marker accessory, the cutting operations can be accelerated.

As a matter of fact, the special laser system is able to indicate the tool cutting line on the working table.

**CAUTION**

**THE LASER MARKER STARTS WORKING ONCE THE MACHINE IS CONNECTED TO THE POWER SUPPLY.**

**31 CUTTING WITH LASER MARKER**

- connect the machine to the power supply;
- position the piece to be cut making sure that the line indicated by the laser marker matches the reference on the material to be cut;
- perform the cutting operation as indicated in the paragraph: "CUTTING ON THE TABLE".

**CAUTION**

**DO NOT MODIFY THE MARKER POSITION BY TURNING THE BEAM TOWARDS THE OPERATOR'S EYES.**

**DO NOT GAZE AT THE BEAM WITH THE NAKED EYE OR LOOK DIRECTLY WITH OPTICAL INSTRUMENTS.**

**MARKER ADJUSTMENT**

In case the marker is not aligned with the cutting line, its correct alignment can be adjusted.

In order to correctly position the marker, proceed as follows:

- 32** • loosen the three bulb locking screws so that it can be moved;
- position a reference properly on the tool cutting line.
- 32** • insert the 5 mm Allen wrench provided in the hexagonal slot located on the bulb;
- Using the Allen wrench, turn the bulb until aligning the mark with the tool cutting line.

**CAUTION**

**DURING THE ADJUSTMENT OPERATIONS, MAKE SURE THAT THE LINE PRODUCED BY THE MARKER DOES NOT REACH THE OPERATOR'S EYES.**

**CAUTION**

**THE MANUFACTURER DECLINES ANY LIABILITY FOR THE USE OF THE LASER MARKER IN APPLICATIONS OTHER THAN THE INDICATED APPLICATION.**

**CAUTION**

**ALWAYS KEEP A SAFETY DISTANCE BETWEEN THE OPERATOR'S EYES AND THE END OF THE LINE.**

**RESIDUAL RISK**

During the design phase, BATTIPAV SRL paid particular attention to the aspects that may generate risks for the safety and health of operators. In spite of this, there are still some potential risks, which are described below:

**CAUTION**

- Danger of presence of electric current:  
The machine has an internal electric system.  
**CONNECT THE MACHINE TO A SYSTEM WITH DIFFERENTIAL PROTECTION AND EFFECTIVE EARTH WIRE.**

**CAUTION**

- Danger of prolonged exposure to noise:  
The continuative use of the machine causes an exposure to noise levels above 85 dB (A).  
**OPERATORS MUST USE PROPER EAR DEFENDERS.**

**CAUTION**

- Danger of exposure to fragments of materials.  
**OPERATORS MUST WEAR PROTECTIVE GOGGLES.**

**CAUTION**

- Danger of accidental contact with the moving tool.  
**OPERATORS MUST WEAR HEAVY PROTECTIVE GLOVES**

**ALWAYS STAY IN THE WORKING POSITION (Pos. 1 picture 23) DURING THE MACHINE OPERATION PHASES:**

- During material loading;
- During material cutting;
- During the cutting tool deceleration following the machine stop.

**MAINTENANCE****CAUTION**

**BEFORE PERFORMING ANY OPERATION OR ADJUSTMENT, DISCONNECT THE MACHINE FROM THE SUPPLY MAINS.**

**MOTOR CARRIAGE ADJUSTMENT**

The motor head carriage is provided with a register for the vertical play adjustment.

For correct adjustment, proceed as follows:

- Remove the cutting blade as indicated in chapter "4 DIAMOND BLADE ASSEMBLY".
- 33** • Remove the motor head locking lever and the metal spacer.
- 34** • With the 10 mm wrench, unscrew the block nut of the blade guard transmission lever.
- 35** • Remove the blade guard transmission lever from the two pins.
- 36** • With the 8 mm Allen wrench, loosen the motor head retaining pin.
- 37** • Remove the motor head from the carriage, and place it on the working table.
- 38** • Slightly loosen the two motor register locking nuts.
- 39** • With a 3 mm Allen wrench, screw the carriage adjustment dowel until the play is eliminated.



- Tighten the register locking nuts again.
- Place everything back in the machine following the operations described so far in reverse order.

## CLEANING

### CAUTION



#### DO NOT WASH THE MACHINE WITH HIGH PRESSURE WATER JETS

- 40** It is extremely easy to clean the DYNAMIC machine by loosening the locking nuts and dismantling the working table. Through the tap located on the bottom of the recovery tank, remove any working residual from the machine.

### CAUTION



- 41** AFTER THE TANK CLEANING OPERATIONS, PLACE THE WORKING TABLE BACK IN POSITION, OBSERVING THE DISTANCE FROM THE LEG SUPPORT.

- 42 43** Clean the sprayer regularly as indicated.

## DISPOSAL

In the event of scrapping the entire machine, it must be disposed of in accordance with the methods laid down by current legislation.



### Electric Motor

Aluminium	AL
Steel	AC
Copper	CU
Polyamide	PA

### Main Casing

Steel	AC
Polyamide	PA
Aluminium	AL

### Submerged Pump

Polyamide	PA
Steel	AC
Aluminium	AL
Copper	CU
Epoxy	Resin

### W.E.E.E. IT0802000002803

The European Directive 2002/96/CE arranges that in the event of scrapping of electrical equipment, they must not be disposed of city solid refusals but collected separately, in order to optimize the level of recovery and recycling of the materials and above all in order to prevent damages to health and environment. To comply with European Directive 2002/96/CE, all electrical equipments must be marked with crossed basket symbol.



The packing of the machine will be disposed of in accordance with the methods laid down by current legislation.

For further information concerning disposal of electrical equipment, please refer to public administration service.

## TROUBLESHOOTING

**HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON**

**This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.**

Problem	Cause	Remedy
<b>The machine does not run and the green running LED does not come on.</b>	The amperometric trip switch has tripped.	Press the reset pin.
	The motor high temperature trip switch has tripped.	Wait a few minutes for the motor to cool down.
	The excess current trip switch is damaged.	Contact your local dealer for a replacement.
	The high temperature trip switch is damaged.	Contact your local dealer for a replacement.
	The control switch is damaged.	Contact your local dealer for a replacement.
<b>Lubrication does not reach the</b>	The sprayer unit is clogged.	Remove the sprayer inside the disc cover and clean any deposits off of it.
	The circulation pump is damaged.	Contact your local dealer for a replacement.
	The lubrication hose is being flattened.	Eliminate any kinks in the lubrication hose.
<b>The motor emits unpleasant smells.</b>	Water has filtered into the motor.	Contact your local dealer for a replacement.
	The capacitor is damaged.	Contact your local dealer for a replacement.
<b>The motor does not start properly.</b>	The motor's bearings are damaged.	Contact your local dealer for a replacement.
	The capacitor is damaged.	Contact your local dealer for a replacement.
<b>The laser marker does not work.</b>	The laser unit is damaged.	Contact your local dealer for a replacement.
	The marker feeder is damaged.	Contact your local dealer for a replacement.