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ENGLISH

OPERATING INSTRUCTIONS & SPARE PARTS LIST



POWER TROWEL ST62L - M12900.F – ELECTRIC MOTOR

FIRST EDITION JUNE 2005
UPDATE MAY. 2021



LIMITED WARRANTY

We warrant that this product is **free from defects in material or workmanship** under normal use and maintenance. Certain components, such as normal wear parts and engines are excluded from this warranty. We will, at our option, repair or replace any defective product or part covered by the Limited Warranty, free of charge at any authorized Servicing Dealer/Center using original replacement parts, subject to the limitations and exclusions described below.

Limited Warranty period: We will warrant the product to the original retail purchaser from the date of retail purchase for 12 month.

Battery: Lead Acid Batteries only: 180 days

This Limited Warranty does not cover:

- (a) Engines; a separate warranty provided with your product might apply.
Engines are warranted by the engine manufacture
- (b) Normal wear parts (parts and items that normally wear out with use), including without limitation spark plugs, bulbs, filters, lubricants, starter cords, belts, rubber parts, blades, and blade adapters are not covered, nor is damage due to normal wear, natural discoloration of materials, or dulling or damage to blades due to contact with abrasives, rocks, rods, or other foreign objects.
- (c) Damage related to abuse, misuse, neglect, modifications, alterations, use of unauthorized attachments, improper storage, or lack of lubrication or engine failure due to the use of oils that do not meet engine manufacturer's specifications, pressure cleaning or steam cleaning the product, excessive dirt, abrasives, salt water, moisture, corrosion, rust, or varnish.
- (d) Failure to perform required maintenance as described in the operator's manual will void this warranty.
- (e) Damage or failures due to improper set up, pre-delivery service or repair service by anyone other than an authorized servicing dealer during the warranty period.

To preserve your rights under this Limited Warranty, you must exercise reasonable care and use of the product, including following the preventive maintenance, storage, and fuel and oil usages as prescribed in the operator's manual.

In addition, you must cease using the product immediately upon any failure or damage, and take the product to an authorized servicing dealer prior to any further use.

WARRANTY EXCLUSIONS, DISCLAIMERS, AND LIMITED RIGHTS. WE WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. YOUR REMEDY IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT OR PART, AT OUR DISCRETION. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. ANY WARRANTY IMPLIED BY STATE LAW (WHETHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR OTHERWISE) IS HEREBY DISCLAIMED; WHERE SUCH A DISCLAIMER IS NOT PERMITTED BY LAW, THEN SUCH IMPLIED WARRANTY IS LIMITED FOR THE DURATION OF THE APPLICABLE LIMITED WARRANTY PERIOD. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS BASED ON YOUR LOCALITY.

How to obtain service. To obtain warranty service, you must take your product to an authorized Servicing Dealer/Center.

Any costs to transport or ship the product are your responsibility. You must present proof of purchase (including date, product model and serial number) to an authorized Servicing Dealer/Center for warranty service. Proof of purchase rests solely with you.

EURO SHATAL ApS

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CE DECLARATION OF CONFORMITY

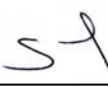
We hereby declare that the equipment described below conforms to relevant fundamental safety and health requirements of the appropriate CE Directives, both in its basic design and construction. This declaration will cease to be valid if any modifications are made to the machine without our expressed approval.

Product: Power Trowels Electric Model : ST62L

Relevant CE Machinery Safety Directives **98/37/EC, 2004/108/EC, pr EN 12649, 2000/14/EC**
Appropriate internal measures have been taken to ensure that series-production units conform at all times to the requirements of current CE Directives and relevant standards.
The signatories are empowered to represent and act on behalf of the company management.

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GENERAL MANAGER



NOVEMBER 2003



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SAFETY INSTRUCTION- QUICK GUIDE

POWER TROWELS ST62L

ELECTRIC MOTOR

ENGLISH



Laws governing safety aspects on machinery vary between countries but the following guides will be useful to all operators:



Before starting, carefully read the machine maintenance and operating manual and follow all the instructions.



Users should carefully follow any operating instructions given.



Never operate the machine without the belt guard.



Keep hand and feet away from moving parts while the machine is running.



Do not operate the machine in closed places and inflammable environment.



Operating the machine is advisable only with good lighting conditions.



Ensure that the power supply is connected to an earth leakage circuit breaker.



DANGER OF ELECTROCUTION!

Danger of electrocution or severe electrical shock is present in the trowel motor any time the motor is plugged in. Read all safety information contained in this section before operating or servicing this equipment.



No one except a trained electrician should perform repairs to the motor and switches.



NEVER allow anyone to operate this equipment without proper training.



NEVER leave the machine running unattended.

SAFETY INSTRUCTION- QUICK GUIDE

POWER TROWELS ST62L

ELECTRIC MOTOR

ENGLISH



NEVER operate this machine in applications for which it is not intended.



DO NOT operate the trowel with the Dead Man Control Handle disabled. Serious injury could occur if struck by rotating trowel due to disabling this safety device.



ALWAYS store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.



NEVER operate trowel with damaged or worn electrical cord! When using an extension cord be sure to use one heavy enough to carry the current load.



DO NOT operate electrical devices in rain or snow. Keep motors, switch and electrical cords dry.



DO NOT plug in the trowel with the motor cover, or terminal box cover removed.



NEVER allow trowel blades to cut or become entangled in the power cord.



ALWAYS check the power supply before running the trowel. Using the wrong voltage supply will damage the motor.



DO NOT attempt to clean or service trowel while it is plugged in to the power supply.
DO NOT wash trowel with electrical covers removed.
DO NOT use a high pressure washer to clean electrical equipment.



Only operate the machine with a fully earthed-plug, do not operate the machine in case of doubt.

SAFETY INSTRUCTION- QUICK GUIDE

POWER TROWELS ST62L

ELECTRIC MOTOR

ENGLISH



When operate the machine, always wear noise reduction ear protectors and safety glasses.



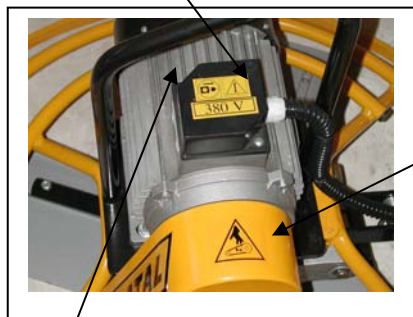
When operate the machine, always wear safety shoes and safety clothing.

SAFETY INFORMATION POWER TROWELS ST62L ELECTRIC MOTOR

ENGLISH



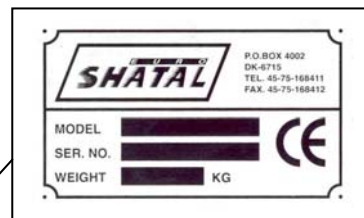
DISCONNECT VOLTAGE
BEFORE REMOVING
PROTECTION



VIEW-A



WARNING!
HAND INJURE IF CAUGHT IN
MOVING BELT.
ALWAYS REPLACE
BELT GUARD



A NAMEPLATE LISTING THE
MODEL NUMBER, ITEM
NUMBER, IS ATTACHED TO
EACH UNIT.
PLEASE RECORD THE
INFORMATION FOUND ON
THIS PLATE SO IT WILL BE
AVAILABLE SHOULD THE
NAMEPLATE BECOME LOST
OR DAMAGED.
WHEN ORDERING PARTS
OR REQUESTING SERVICE
INFORMATION, YOU WILL
ALWAYS BE ASKED TO
SPECIFY THE MODEL, ITEM
NUMBER OF THE UNIT.



DANGER!
ELECTRIC SHOCK
HAZARD



READ AND
UNDERSTAND
THE SUPPLIED
OPERATOR'S
MANUAL BEFORE
OPERATING THIS
MACHINE.



WEAR EAR
PROTECTION



WEAR EYE
PROTECTION



WEAR BOOTS

**TECHNICAL DATA AND
SPECIFICATION
POWER TROWELS ST 62L
ELECTRIC MOTOR**

ENGLISH



MOTOR

Model		90 L / 2
Motor output	kW	2.2
Motor speed	rpm	2750
Power requirements	Volts/phase	220 / 1Ø
Frequency	Hz.	50
Operating current	Amps	13.7
IP rating		54

TROWEL

Trowel Diameter	mm	605
Number of Blades		4
Speed range	rpm	82
Pitch range	degrees	0 - 15

OPERATION POWER TROWELS ST62L ELECTRIC MOTOR

ENGLISH



Before starting



Open the extension handle and locked it.



Place trowel on the concrete and connect to power supply.

Starting the motor



Press the yellow button and then press the Dead Man Control Handle.

Operating the trowel

NOTE

Always operate the trowel using the Dead Man Control Handle.

Assembly of the float disc



1. Place the trowel on to the float disc.
2. Rotate the blades so that the blades move underneath the 4 L shaped brackets.
3. Rotate the blade adjustment knob so that the blades rise.
4. Ensure that there is sufficient pressure on the blades and that the disc is tightly attached to the trowel.

NOTE

The trowel is to be used only by experienced operators and they must have the knowledge of when the concrete is ready to be troweled and the angle of the blades.

These instructions should be used as general guidance only.

Ref.	B = Working condition of concrete	C = Suggested working pitch
1	Wet surface working stage	Flat (no pitch)
2	Wet to plastic working stage	Slight pitch (5°)
3	Plastic working stage	Additional pitch (10°)
4	Semi-hard working stage to hard finishing stage (burnishing)	Maximum pitch (15°)

Floating concrete

Use the float disc or the blades set at a small angle for floating.

The concrete should be sufficiently set before the floating operation takes place.

This must be determined by the operator.

To have the machine move to the right bear down slightly on the handle. Lift gently on the handle to have machine move to the left.

Do not operate machine in one spot but keep it moving over the surface for either floating or finishing of concrete. If machine is allowed to stand in one spot while not operating, lift up on the handle to break loose the suction on the trowels and move to a new spot before starting to operate the machine.

Finishing concrete

The finishing operation is carried out with the blades set at a large angle.

OPERATION POWER TROWELS ST62L ELECTRIC MOTOR

ENGLISH



STOPPING:

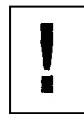


1. Release the Dead Man Control Handle.

INSTRUCTIONS FOR LIFTING MACHINE



Never walk or stand under a machine being lifted.



Use only lifting handles (1) for lifting the machine.

EXTENSION CORDS

When choosing an extension cord, make sure it has adequate wire size for safety. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating. The table below shows the correct wire size to use depending on cord length. If in doubt, use the next heavier cord size. On motors being used outdoors, use extension cords rated for outdoor use.

Improper use of extension cords can cause overheating and create serious fire or shock hazards. NEVER use worn or damaged cords!

Extension cord length (meters)	Minimum extension cord size (mm ²)
	220 V / 1Ø
0-20	1.0
20-40	1.5
40-80	1.5
80-100	2.5

TROUBLESHOOTING

Problem / Symptom	Reason / Remedy
Trowel does not develop full speed.	• Power supply is not proper voltage. • Clean debris from moving parts and trowel blades.
Motor run, poor trowel operation.	• Check belt for wear or damage. Tighten belt if necessary. • Clean debris from moving parts and trowel arms.
Motor does not run, or runs erratically.	• Check motor on/off switch position.
Motor stops, won't restart.	• Motor overload switch has tripped. Contact a certified electrician.
Motor runs but blades do not rotate.	• Broken / Missing v-belt. Replace.

SERVICE POINTS



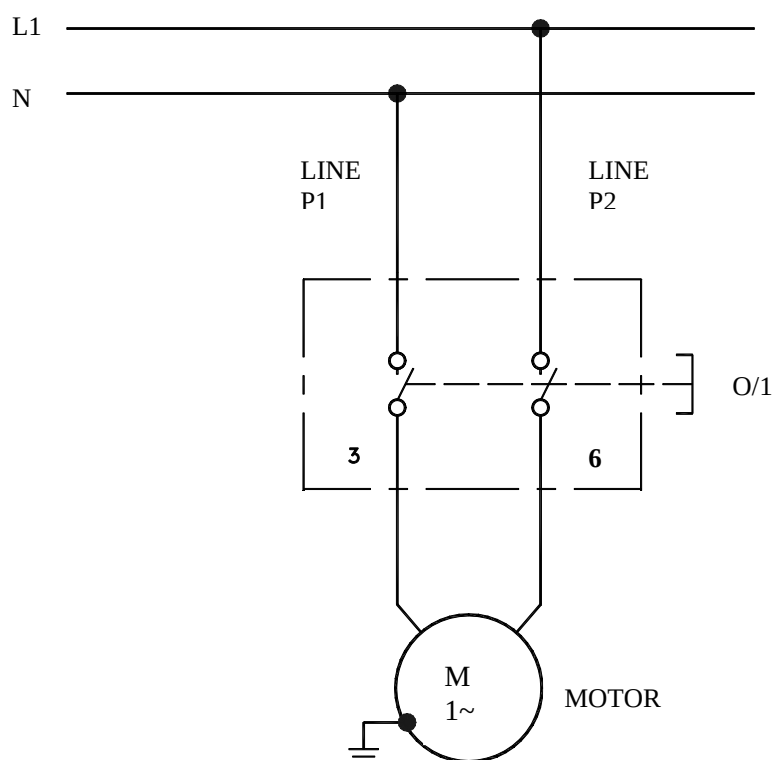
- ★ Only carry out maintenance work with the engine switched off.
- ★ Observe all relevant laws and regulations governing the handling and disposal of used oil , filters and cleaning agents.
- ★ When maintenance work has been completed , check that all tools have been removed from the engine and all protective guards refitted.

Maintenance chart:

Maintenance interval	Maintenance work required
After use	★ Clean the machine well.
Every 250 Operating hours	★ Check that all bolts are tight.

SCHEMATIC WIRING DIAGRAM
POWER TROWEL ST- 62L
ELECTRIC MOTOR

ENGLISH



Please State Machine Details in the Following Sequence:

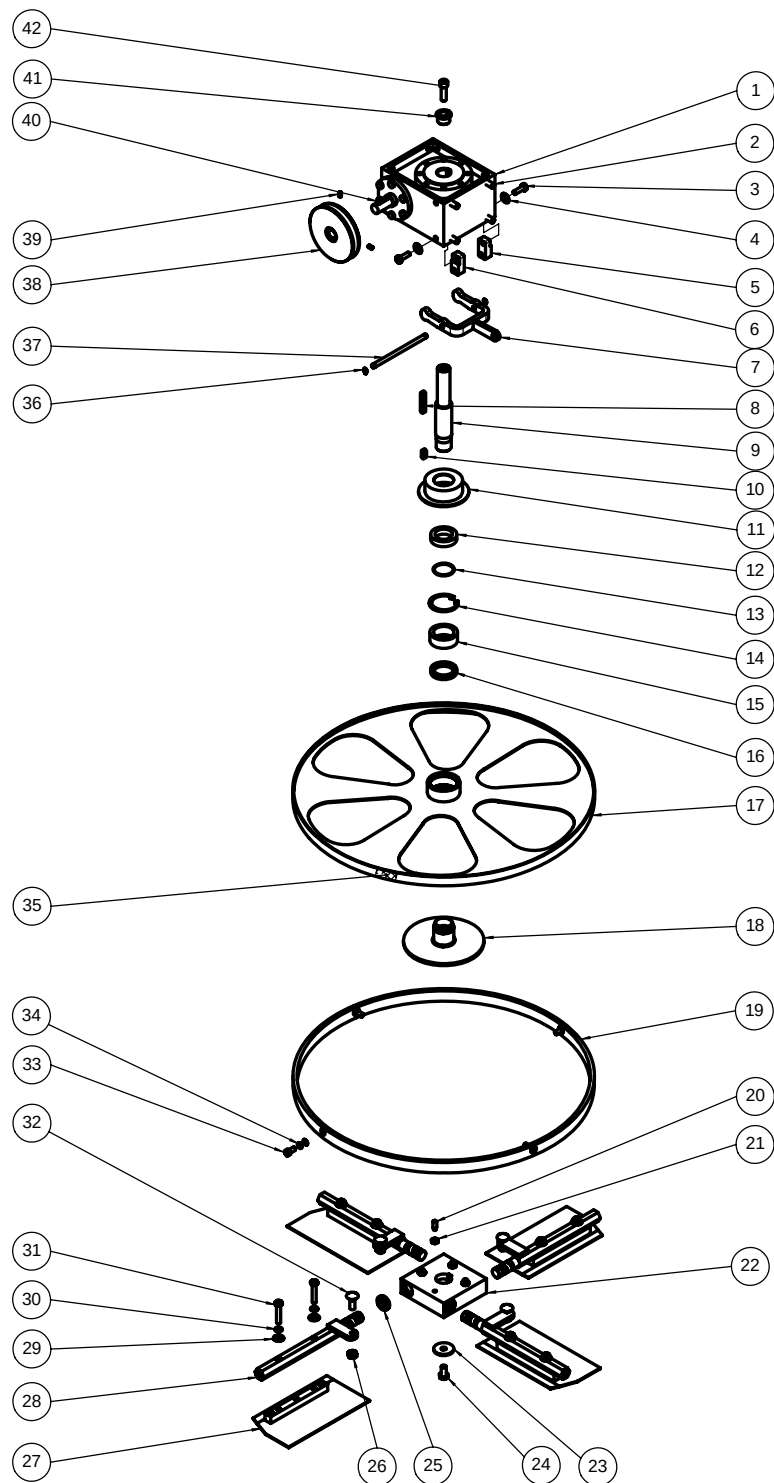
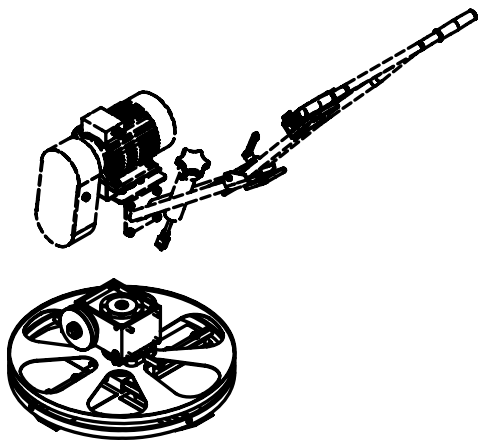
- ❑ Machine Serial Number
- ❑ Part Number, Description and Quantity of Parts
- ❑ Full Delivery Address

Manufacturers Liability and the Use of Genuine Spare Parts

Liability for this machine is accepted only when the machine is defective from the outset. Liability is reduced or nullified in the event that the user fails to comply with the operating and maintenance instructions and uses spare parts which are not guaranteed.

Contents

Gear box , Spider and trowels Assy. -----	14-15
Guard Ring and Motor Mounting Assy. -----	16-17
Handle Assy. -----	18-19



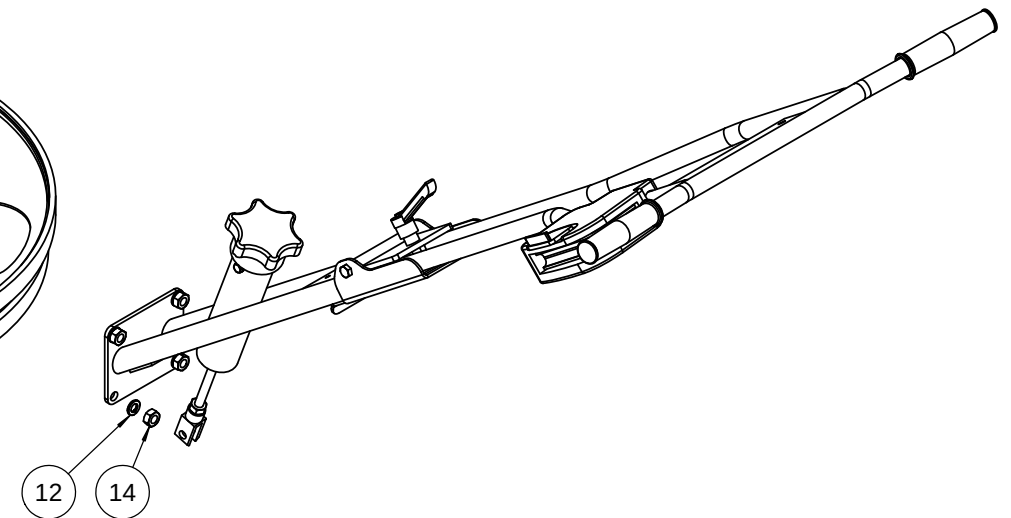
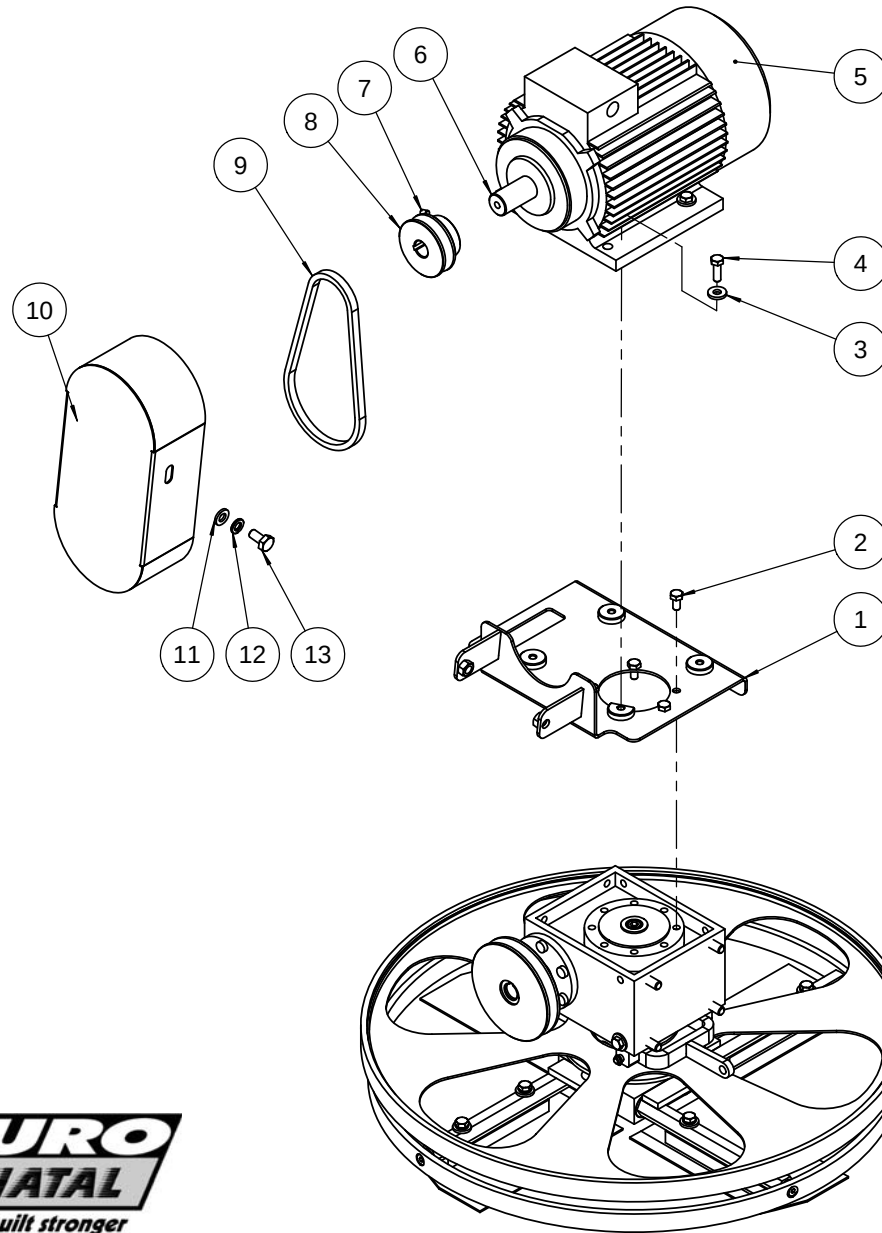
POWER TROWEL ST62L ELECTRIC MODEL
GEAR BOX, SPIDER & TROWELS ASSY.
(SEE PARTS LIST PAGE 15)

FIRST EDITION JUNE 2005
UPDATE JULY 2007

**POWER TROWEL ST- 62L
(WITH ELECTRIC MOTOR)
SPARE PARTS LIST
GEAR BOX,SPIDER & TROWELS ASSY.**

NO.	DESCRIPTION	PART NO.	QTY.
1	GEAR BOX	129977.1	1
2	STUD	129953	4
3	HEXAGON HEAD SCREW	1171916	2
4	WASHER	3111135	2
5	RIGHT PIVOT BLOCK	129557	1
6	LEFT PIVOT BLOCK	129556	1
7	TILTING YOKE	129561	1
8	KEY	32199	1
9	SHAFT	129551	1
10	KEY	129964	1
11	BEARING COVER	129562	1
12	THRUST BEARING	P50967	1
13	SNAP RING FOR SHAFT	129981	1
14	RETAINING RING FOR BORES	129982	1
15	BALL BEARING	P50980	1
16	BALL BEARING	P50947	1
17	RING GUARD	129601	1
18	PRESSURE PLATE	129554	1
19	STABILIZER RING	129631	1
20	HEXAGON SOCKET SET SCREW WITH DOG POINT	129972	4
21	HEXAGON NUT	129998	4

NO.	DESCRIPTION	PART NO.	QTY.
22	SPIDER	129550	1
23	WASHER	1171903	1
24	HEXAGON HEAD SCREW	128923	1
25	OIL SEAL	129971	4
26	HEXAGON NUT	321993	4
27	COMBINATION BLADE	P12904.HD	4
28	TROWEL ARM	129545	4
29	WASHER	115903	8
30	SPRING WASHER	1171902	8
31	HEXAGON HEAD SCREW	1171921	8
32	MUSHROOM HEAD SQ. NECK SCREW	129954	4
33	HEXAGON SOCKET HEAD CAP SCREW	140905	4
34	SCHNORR-LOCKING DISC SPRING	116900	8
35	RUBBER	129976	
36	RETAINING RING FOR SHAFT	129959	2
37	PIVOT PIN	129558	1
38	DRIVEN PULLEY	P51194	1
39	HEXAGON SOCKET SET SCREW	128940	2
40	KEY	/	1
41	GEAR BUSHING	129594	1
42	HEXAGON SOCKET HEAD CAP SCREW	111929	1



POWER TROWEL ST62L
ELECTRIC MODEL
MOTOR MOUNTING ASSY.

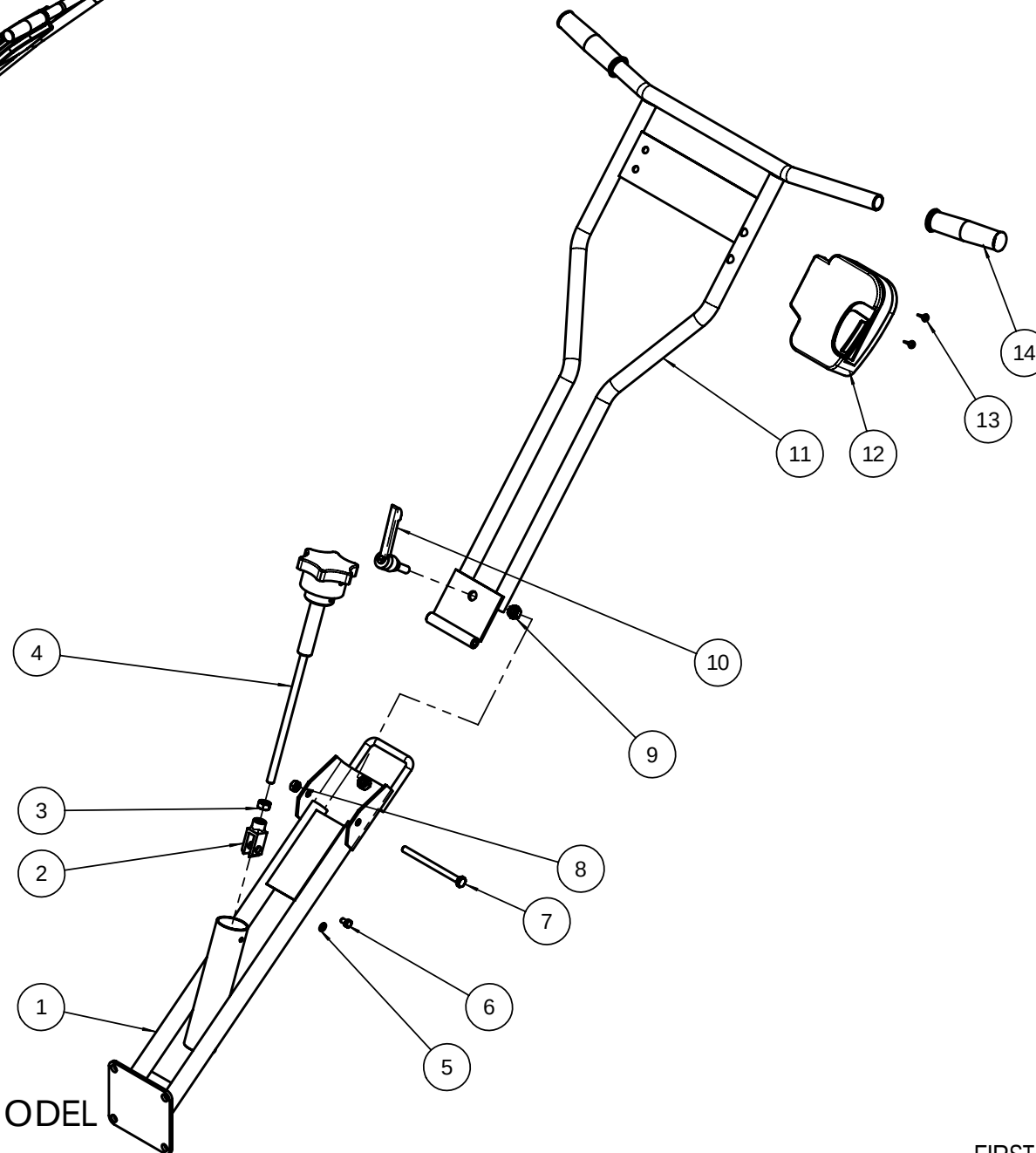
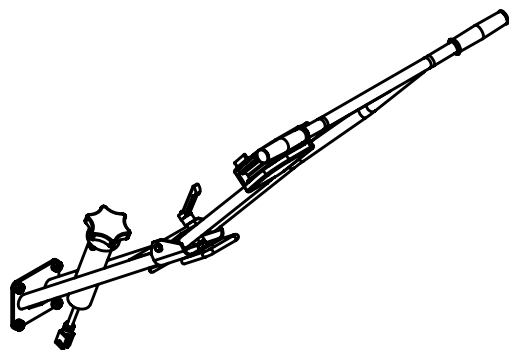
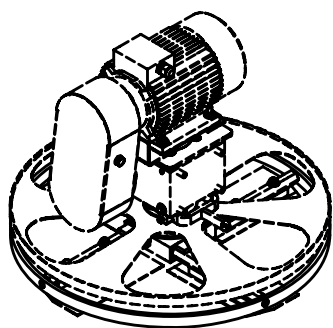
(SEE PARTS LIST PAGE 17)

**POWER TROWEL ST- 62L
(WITH ELECTRIC MOTOR)
SPARE PARTS LIST
MOTOR MOUNTING ASSY.**

NO.	DESCRIPTION	PART NO.	QTY.
1	ENGINE BASE	129660	1
2	HEXAGON HEAD SCREW	31520931	4
3	WASHER	115903	4
4	HEXAGON HEAD SCREW	1171916	4
5	ELECTRIC MOTOR	I50515.1	1
6	KEY	/	1
7	HEXAGON SOCKET SET SCREW	128940	2

SEE ILLUSTRATION PAGE-16

NO.	DESCRIPTION	PART NO.	QTY.
8	V-BELT PULLEY	P51112	1
9	BELT	50822.A	1
10	BELT GUARD	129592	1
11	WASHER	127954	2
12	SPRING WASHER	1171910	6
13	HEXAGON HEAD SCREW	1171900	2
14	HEXAGON NUT	321993	4



POWER TROWEL ST62L ELECTRIC MODEL
HANDLE ASSEMBLY
(SEE PARTS LIST PAGE 19)

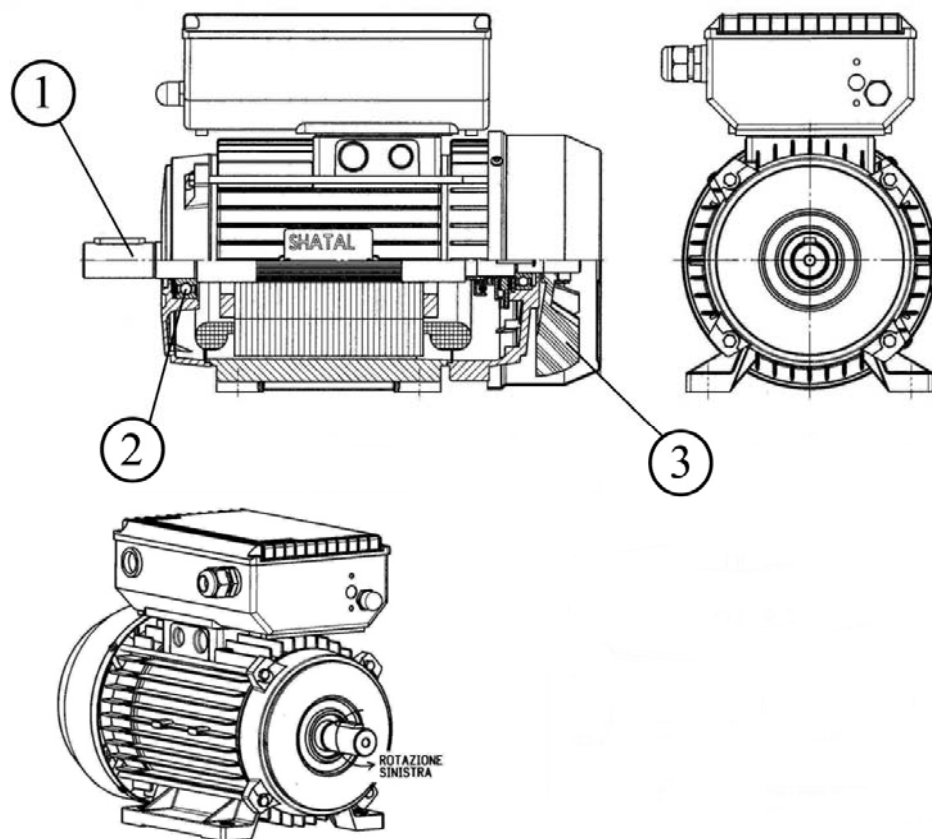


ENGLISH

**POWER TROWEL ST- 62L
(WITH ELECTRIC MOTOR)
SPARE PARTS LIST
HANDLE ASSEMBLY**

NO.	DESCRIPTION	PART NO.	QTY.
1	HANDLE (LOWER END)	129635	1
2	FORK JOINT	111931	1
3	HEXAGON NUT	321993	1
4	HANDLE CONTROL SHAFT	129555	1
5	SPRING WASHER	1171909	1
6	HEXAGON HEAD SCREW	11401925	1
7	HEXAGON HEAD SCREW	129957	1
8	SELF LOCKING HEXAGON NUT	1171917	1

NO.	DESCRIPTION	PART NO.	QTY.
9	SELF LOCKING HEXAGON NUT	321992	1
10	LOCKING HANDLE	31105.1	1
11	HANDLE (UPPER END)	129640	1
12	STARTER SWITCH	127901	1
13	CROSS RECESSED PAN HEAD	129986	2
14	RUBBER HAND GRIP	111958	2



NO.	DESCRIPTION	PART NO.	QTY.
1	ROTOR SHAFT Ø20	-	1
2	BEARING	2M6205X	2
3	FAN	2EV90AA	1

ENGLISH

- Laws governing safety aspects on machinery may vary between countries but the following guides will be useful to all operators:
- Users should carefully follow any operating instructions given.
- Never operate the machine without protection covers for all moving parts or components.
- Never operate the machine in any dangerous fire zone or under weak lighting conditions.
- When operating the machine, always wear noise reduction ear protectors and safety glasses.
- When operating the machine, always wear safety shoes and safety clothing.
- Only operate the machine with a fully earthed-plug , do not operate the machine in case of doubt.
- This machine may only be used under frost - free conditions.

DANSK

- Sikkerhedslovgivningen på maskiner kan være forskellige landene imellem, men de følgende retningslinier er nyttige for alle operatører.
- Følg brugsanvisning og service anvisning og alle instruktioner før start, venligst læs nøje.
- Anvend aldrig maskinen motor, rem og blad beskyttelse.
- Hold finger og fødder væk fra bevægelige dele når maskinen arbejder.
- Brug ikke maskinen i lukkede eller brandfarlige områder.
- Brug kun maskinen i veloplyste områder med rigtig arbejdsbelysning.
- Hørevern skal altid bruges.
- Sikkerhedssko skal altid bruges.
- Rør aldrig ved varme flader.
- Brug kun jordet 220 volt stikkontakt.
- Rør aldrig ved den roterende bladklinge.
- Maskinen skal altid stå og anvendes frostfrit.
- Maskinen skal altid bruges under tag og ikke i regnvejr.

DEUTSCH

- Die Sicherheitsgesetze für Maschinen können verschieden sein, aber die folgende anleitungen sind für alle operatoren verwandlich.
- Vor Arbeitsbeginn bitte Bedienungs- und Wartungsanleitung sorgfältig lesen und allen Empfehlungen folgen.
- Benutzen Sie nie die Maschine ohne Motor- Riemen- und Klingenschutz.
- Berühren Sie nie die beweglichen Teile wenn die Maschine arbeitet.
- Benutzen Sie nie die Maschine in geschlossenen oder brandgefährdeten Gebieten.
- Benutzen Sie nur die Maschine bei ausreichender Beleuchtung.
- Tragen Sie bitte immer einen Hörschutz.
- Tragen Sie bitte immer Sicherheitsschuhe.
- Berühren Sie nie heiße Flächen.
- Benutzen Sie immer nur 220V Steckdosen mit Erdanschluß.
- Die Maschine sollte nie Frost ausgesetzt werden.
- Die Maschine sollte nur überdacht und nie im Regen benutzt werden.

DUTCH

- Wetgeving inzake veiligheidsaspecten van machines kunnen verschillen naargelang het land. Volgende gids kan door iedere gebruiker gebruikt worden.
- Lees altijd eerst de veiligheidsvoorschriften voordat de machine in gebruik genomen wordt.
- Gebruik nooit de machine zonder beschermingskappen van de draaiende delen.
- Gebruik de machine nooit de machine in brandgevaarlijke omgeving en bij onvoldoende verlichting.
- Draag altijd veiligheidsschoenen en werkhandschoenen.
- Draag altijd gehoorbeschermers en veiligheidshelm.
- Raak nooit warme vlakken en bewegende delen van de machine aan met de handen en voeten.
- Gebruik alleen geaarde stekkers en stopkontakten, zowel voor 220 en 380 volt aansluiting.
- De machine moet altijd in een vorstvrije omgeving gebruikt worden.

ESPAÑOL

- Las leyes referentes a seguridad en el trabajo pueden cambiar de país en país. Las siguientes directivas son de provecho para todos los usuarios:
- Antes de usar la máquina por primera vez, lea cuidadosamente el Manual de Instrucciones y siga todas las instrucciones, precauciones y advertencias.
- El usuario debe seguir todas las instrucciones de seguridad.
- Nunca trabaje con la máquina si todas las guardas de partes móviles no están colocadas en su lugar.
- Nunca trabaje con la máquina en ambientes inflamables o con malas condiciones de iluminación.
- Utilice siempre protector de oídos y gafas de seguridad cuando trabaje con la máquina.
- Utilice calzado de seguridad para trabajar con la máquina.
- Solamente trabaje con la máquina con tomacorriente con buena conexión a tierra. En caso de duda no haga funcionar la máquina.
- Esta máquina puede ser usada solo en ambientes no congelados. (frost-free conditions)



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PURCHASE ORDER

ST62L POWER TROWELS

(WITH ELECTRIC MOTOR)

**FAX YOUR SPARE PARTS REQUIREMENTS
TO THE NEAREST SERVICE STATION.**

COMPANY'S NAME:

ADDRESS:

COUNTRY:

TELEPHONE:

FAX:

MACHINE SERIAL NO:

NO.	PART NO.	DESCRIPTION	QTY.	REMARKS

SHIPPING METHODS: BY AIR ☐ BY SURFACE ☐ BY SEA ☐

SENDER'S NAME:

SIGNATURE:

