EXPANDER SERIES
Advanced technology floor grinders

www.klindex.com
New AT (Auto Pilot) Technology
FINALLY THE GRINDING AND POLISHING MACHINE THAT DOES IT ALL ON ITS OWN!

Features:
- Automatic planetary lifting with remote control
- Easy transportation
- Great driving power
- Automatic swinging function
- Automatic reverse
- Automatic grinding of the whole working surface
- Precision edge grinding
- Extreme maneuverability

ALL IN THE PALM OF YOUR HAND
Klindex has developed a new and exclusive technology of remote automatic control for grinding and polishing machines. With this amazing system called AT (Auto Pilot) Klindex machines can grind on their own the entire area moving forward, turning and coming back, crossing the grinding tracks leaving no untreated parts. Without any interruption, it is also possible to modify all the variables of the machine with a comfortable, handy and intuitive remote control.
**EXPANDER SERIES** main features of the different versions.

<table>
<thead>
<tr>
<th>Feature</th>
<th>SX</th>
<th>RX</th>
<th>AT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery on-board for an easy transportation</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Basic remote control</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Advanced remote control</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Automatic advancement</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Automatic swinging function</td>
<td></td>
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</tr>
<tr>
<td>Automatic reverse</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Automatic overlap</td>
<td></td>
<td>✔️</td>
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</tr>
<tr>
<td>Automatic grinding of the whole working surface</td>
<td></td>
<td>✔️</td>
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</tr>
<tr>
<td>Upgrade to AT (auto-pilot) version</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>220V socket</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
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</table>
Why choose Expander?

Safety Rules
EXPANDER satisfy what the SAFETY RULES (Art EN 60204-1 requires)
Check if the other machine satisfy what the SAFETY RULES

Selector to block the door of the inverter.
This device avoids the door from being opened before "switching off" the "electric power".
Check if the competitors machine has this device.

Safety device dedicate to monitor the emergency circuit.
This device automatically shuts off the machine if some electric problem happens avoiding any injuries.
KLINDEX uses the right and approved electrical components including oversized wire.
Check if the competitors machine has this device. Check the electric components and the kind of wire they use is approved.

Special safety emergency button.
(Not a normal emergency button like on smaller machines). When this special emergency button is pushed the motor is immediately turned off and all the "moving parts" [like tools] are immediately stopped avoiding any injuries. Check if the competitors machine has this device. Many machines in the market that have the emergency button take time to relay the signal therefore could cause injuries.

Re-start safety system.
The new start (re-start) after any stop cannot happen casually. Any start has to be active not passive. It means for example that if any one accidentally connects the electrical power, the machine doesn’t start again. To start again the operator has to follow all instructions correctly. Check if the competitors machine has this device. Many machines in the market if after pushing the EMERGENCY BUTTON the electrical power is reconnected accidentally the machine will start again and could cause injury. Be careful to this point and image that while someone is changing the tools that someone doesn’t accidentally restore the power!

Motor Engine
Check the kind of motor.
Remote Control.
Klindex has developed a new and exclusive automated remote-controlled technology for his grinding and polishing machines.
With this amazing system called "AT" (Auto pilot) Klindex grinding machines are able to cover the entire area swinging forward, turning and coming back over overlapping the grinding tracks leaving no untreated areas. No interruptions, all settings of the machine can be modified through the comfortable, compact and intuitive radio remote control.
• Planetary Turning on / off.
• Remote controller adjustable working pressure.
• On-board batteries for unplugged machine handling.
• On-board batteries for unplugged Planetary lifting.
• Automatic swinging regulation.
• Automatic U turn.
• Automatic grinding of the entire working area.
• High precision close to wall operation.
• Excellent manœuvrability.

Variable speed
From 300 up to 1300 rpm
Check the speed. Many machines have speed range very limited

Tank with 46lt capacity.
The tank is very important for working wet. When working dry the diamond doesn’t grip and skates on the surface of the concrete. It is also important for polishing marble, terrazzo and granite.
Many competitor machines don’t have a tank. Check and see if it has a water tank.

Third front wheel.
Third front wheel that offers the following advantages:
• It makes for easy transportation.
• It allows to regulate the working pressure.
• It allows to inclination on the planetary head.
• It is very useful when working on very uneven floors. Check if the competitors machine has the third front wheel.

Adjustable working head pressure.
The pressure is adjusted by "ELECTRONIC DEVICE".
Many machines do not have an ELECTRONIC DEVICE but have to adjust the pressure adding weight manually.
The spring attachments force the weight of the chassis onto the working area allowing the machine to have some slight movement during the grinding work, but always focusing the downward grinding pressure.

Effective weight distribution.
Klindex design the motor directly over the top of the planetario with three well balanced heads for perfect balance and highest grinding pressure available (this balance allows it to work as well on marble/granite as it can on concrete) Many competitors machine can’t work on marble.
Steel Priority.
Steel frame painted with metallic varnish. Aluminium carter covering the Planetary. The metal covering protects the diamond tools and allows it to work very close to the wall. Many competitors machines have Plastic coverings. It breaks very easily, it doesn’t protect the diamond tools and doesn’t allow you to work close to the wall. The machine will leave a lot of space untreated.

Handle.
Adjustable position of the handle for a comfortable working position. It also can be reversed to allow the operator to drive the machine from in front and not only from the rear. Many machines cannot be used standing in the front but can be handled only from the rear.

Dust control Optimized.
Vacuum ports for working dry and Free of Dust. Check if they have it.

Splash Guard.
Strong Perimetral neoprene splash guard. Check if they have.

Battery Engine (backup).
With a back up battery engine for remote control machines, you don’t have to run a power supply or worry about pushing your machine from the vehicle on the jobsite. The battery charges while the machine is in use and hooked up to a power supply. This option allows you to load and unload the machine with ease and decreases the risk of injuries. Check to see if the competitors machine has such an option allowing you to move, load and unload the machine without risking injuries.

Planetary Head.
PLANETARY HEAD that is 100% tempered metal and geared driven not belt. The main disc and the satellites always run, allowing the machine to work very hard with high performance. The working pressure of the Planetary can be adjusted giving pressure on the front or on the backside. Giving more pressure in front the machine cuts faster and deeper. NO BELTS to break! Check what kind of Planetary they are using. The PLANETARY with BELT DRIVE doesn’t have the same performance of metal geared. Furthermore it is subjected to break during the work and needs a lot of time to repair. Attention: in many machines the main disc and the satellite don’t run together: if you block one satellite [one tools disc by hand] the main disc still runs. It means that using the machine for heavy duty work the machine doesn’t have performance at all. For many machines it is not possible to be used inclined the Planetary and as result can work only in one position. Therefore cannot cut fast and deep resulting in very poor performance.

NO BELTS TO BREAK!!
MAKE YOUR FLOOR
SUPER FLAT
WITH KLINDEX

The powerful Klindex rigid head. EXPANDER RANGE is the ideal grinding machine to achieve perfect flat floor with concrete, marble, granite, terrazzo or limestone.

The floor treatment specialist since 1988

RIGID HEAD VS FLOATING HEAD

Klindex has designed and manufactured the Expander range of floor grinders to give the ultimate FLAT FLOOR.

The Expander range has a fixed planetary gear driven head that works to grind all flooring surfaces flat. The Expander 1000 with its one meter planetary six head design along with it’s 1.35 tonne weight delivers the ultimate flat floor.

Many machines available on the market are designed with a floating grinding head. The design allows the machine to follow the contours of the floor and can at times leave a ’wavy’ appearance to the floor.

The combination of the floating head and lighter machine weight reduces the grinding ability of the machine to produce perfectly flat floors.

KLINDEX MACHINE

OTHER MACHINE

RIGID HEAD MACHINES MAKING THE FLOOR FLAT

FLOATING HEAD MACHINES MAKING THE FLOOR WAVY

FLAT FLOOR

FLAT FLOOR

WAVY FLOOR

ROUGH FLOOR

The powerful Klindex rigid head. EXPANDER RANGE is the ideal grinding machine to achieve perfect flat floor with concrete, marble, granite, terrazzo or limestone.
EXPANDER 1000
The biggest floor grinder radio controlled Klindex 6 heads counter-rotating, adjustable work pressure and variable speed.

- Auto-Levelling Planetary System
- Semi-automatic planetary lifting
- Self powered transport system
- Remote control easy, smart and safe
- No belt to break
- Anti-Shock System
Expander 1000 with the best quality/price relation is the best fully automatic 6 headed grinding machines in the world. With the included wire control it is possible to adjust working functions such as: • Speed and directions of the machine. • Speed of the planetary. • Planetary turning directions. • Drift control. • Emergency safety stop. • Remote control optional.

Main features: One button system to rotate the planetary of 90° to allow a fast and easy change of tools. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable working pressure from 500 up to 1250 kg. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Battery powered for independent tractions when unplugged. • Auto levelling Planetary System. • Powered planetary lifting. Additional features: • To prevent working emergencies the machine is engineered to be operated also manually with included special handle and independent manual hydraulic pump.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Pressure Work</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 1000 SX</td>
<td>25 HP</td>
<td>380-480</td>
<td>50/60</td>
<td>35</td>
<td>300-1300 rpm</td>
<td>1000mm</td>
<td>500-1200Kg</td>
<td>6x240mm</td>
<td>46 lt</td>
<td>170x150x105</td>
<td>1313 Kg</td>
</tr>
<tr>
<td>EXPANDER 1000 RX</td>
<td>25 HP</td>
<td>380-480</td>
<td>50/60</td>
<td>35</td>
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RADIO CONTROL AND WIRE COMMAND INCLUDED

• Electronic control of the working pressure.

Superconcrete 7 step: 40-45m2/h
Concrete Grinding 1 step 160-220m2/h
Terrazzo Polishing 5 step 40-45m2/h
Resin Removing 1 step 200-300m2/h
Varnish Removing 1 step 200-300m2/h
Marble Polishing 5 step 30-50m2/h
Granite Polishing 7 step 20-30m2/h

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.
EXPANDER 999
Pursuing the top for less

- Led lights
- No belt to break
- Auto-Levelling Planetary System
- Remote control easy, smart and safe
- Water tube connection
- Anti-Shock System
EXPANDER 999, with the powerful 6-head planetary and a brand new more compact and lightweight frame. The 6 offset rotating heads guarantee perfect flatness of the polished surface and the perfect machine balance.

• Easy to transport thanks to the on board batteries, even on steep ramps.
• The new frame guarantees smaller overall dimensions and less weight for the load on the van.
• Working with radio control guarantees increased productivity for the operator thereby reducing stress and fatigue thanks to the absence of vibrations.
• The automatic shift allows the operator to easily perform all the supporting activities.
• Helical and very quiet gears made of thermo-hardened steel
• Electronically adjustable planetary pressure.
• New version with Autopilot system.

**RX version:** Standard radio and wire control
**5X version:** Standard wire control and optional radio control
**AT version:** Standard advanced radio and wire control

**Estimated Production**

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

<table>
<thead>
<tr>
<th>Product</th>
<th>Production rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superconcrete 7 step</td>
<td>40-45m²/h</td>
</tr>
<tr>
<td>Concrete Grinding 1 step</td>
<td>160-220m²/h</td>
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<tr>
<td>Terrazzo Polishing 5 step</td>
<td>40-45m²/h</td>
</tr>
<tr>
<td>Resin Removing 1 step</td>
<td>200-300m²/h</td>
</tr>
<tr>
<td>Varnish Removing 1 step</td>
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</tr>
<tr>
<td>Marble Polishing 5 step</td>
<td>30-50m²/h</td>
</tr>
<tr>
<td>Granite Polishing 7 step</td>
<td>20-30m²/h</td>
</tr>
</tbody>
</table>

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
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<td>EXPANDER 999 SX</td>
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<td>380-480</td>
<td>50/60</td>
<td>35</td>
<td>300-1300 rpm</td>
<td>1000mm</td>
<td>6x240mm</td>
<td>46 lt</td>
<td>215x168x105</td>
<td>950 Kg</td>
</tr>
<tr>
<td>EXPANDER 999 RX</td>
<td>25 HP</td>
<td>380-480</td>
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<td>EXPANDER 999 AT</td>
<td>25 HP</td>
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<td>215x168x105</td>
<td>950 Kg</td>
</tr>
</tbody>
</table>

**Data for Shipping**

- Volume Packaging: 3,80 m³
- Size Packaging: 200x160x120 cm
- Weight Packaging: 980 Kg
Expander 950: Big grinding machine with remote control designed to work on large area.

**Main features:** With the included remote control it is possible to control all the working functions such as: • Speed and directions of the machine. • Speed of the planetary. • Planetary turning directions. • Control of grinding head pressure. • Drift control. • Emergency safety stop.

**Additional features:** • Working width 950 mm with 3 large size 340 mm tools. • Speed of tools ranging from 300 to 1300 rpm. • Automatic adjustment of the working pressure. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Battery powered for independent tractions when unplugged. • Auto levelling Planetary System. • To prevent working emergencies the machine is engineered to be driven manually using the included handle and unlocking traction wheels.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
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<th>Weight</th>
</tr>
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<tbody>
<tr>
<td>EXPANDER 950 RX</td>
<td>25 HP</td>
<td>18,5 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>950mm</td>
<td>3x340mm</td>
<td>44 lt</td>
<td>150x150x95</td>
<td>484 Kg</td>
</tr>
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*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

### ESTIMATED PRODUCTION

<table>
<thead>
<tr>
<th>Product</th>
<th>Production (m²/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superconcrete 7 step</td>
<td>30-35m²/h</td>
</tr>
<tr>
<td>Concrete Grinding 1 step</td>
<td>100-130m²/h</td>
</tr>
<tr>
<td>Terrazzo Polishing 5 step</td>
<td>50-60m²/h</td>
</tr>
<tr>
<td>Resin Removing 1 step</td>
<td>150-180m²/h</td>
</tr>
<tr>
<td>Varnish Removing 1 step</td>
<td>150-180m²/h</td>
</tr>
<tr>
<td>Marble Polishing 5 step</td>
<td>25-35m²/h</td>
</tr>
<tr>
<td>Granite Polishing 7 step</td>
<td>15-20m²/h</td>
</tr>
</tbody>
</table>

**DATA FOR SHIPPING**

- Volume Packaging: 2,75 m³
- Size Packaging: 160x160x110 cm
- Weight Packaging: 510 Kg
**EXPANDER 950**

Planetary floor grinder with variable speed and adjustable working pressure.

Expander 950: Big grinding machine designed to work on large area.

**Main features:**
- Working width 950 mm with 3 large size 340 mm tools.
- Speed of tools ranging from 300 to 1300 rpm.
- Automatic adjustment of the working pressure.
- Strong gear box with thermo-hardened steel gears for a longer life.
- Adjustable inclination of the Planetary to allow a bigger frontal cutting.
- No noise during the work.
- Third insertable front wheel for easy transport and to load into the van.
- Auto levelling Planetary System.

**TECHNICAL DATA**

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<td>EXPANDER 950</td>
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<td>18,5 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>950mm</td>
<td>3x340mm</td>
<td>46 lt</td>
<td>150x150x95</td>
<td>421 Kg</td>
</tr>
</tbody>
</table>

**Estimated Production**

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

- Superconcrete 7 step: 30-35m²/h
- Concrete Grinding 1 step: 100-130m²/h
- Terrazzo Polishing 5 step: 35-45m²/h
- Resin Removing 1 step: 150-180m²/h
- Varnish Removing 1 step: 150-180m²/h
- Marble Polishing 5 step: 25-35m²/h
- Granite Polishing 7 step: 15-20m²/h

**DATA FOR SHIPPING**

- Volume Packaging: 2,75 m³
- Size Packaging: 160x160x110 cm
- Weight Packaging: 440 Kg

**Full metal gear box**

**Third front wheel**

**Intuitive control panel**
**EXPANDER 850SX-RX-AT**

Remote-control planetary grinding machine with variable speed and adjustable working pressure.

Remote controlled grinding and polishing machine for medium-big sized surfaces available into two versions of 20 and 25 HP.

**Main features:** With the included remote control it is possible to control all the working functions such as: • Speed and directions of the machine. • Speed of the planetary. • Planetary turning directions. • Control of grinding head pressure. • Drift control. • Emergency safety stop.

**Additional features:** • Working width 850 mm with 3 large size 240 mm tools. • Speed of tools ranging from 300 to 1300 rpm. • Automatic adjustment of the working pressure. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Battery powered for independent tractions when unplugged. • Auto levelling Planetary System. • To prevent working emergencies the machine is engineered to be driven manually using the included handle and unlocking traction wheels.

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<tbody>
<tr>
<td>EXPANDER 850 SX</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>850mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>150x150x95</td>
<td>474 Kg</td>
</tr>
<tr>
<td>EXPANDER 850 RX</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>850mm</td>
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<td>EXPANDER 850 AT</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
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*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*
Expander 850: Floor grinding and polishing machine for medium and big sized surfaces available into two versions of 20 and 25 HP.

**Main features:**
- Working width 850 mm with 3 large size 240 mm tools.
- Speed of tools ranging from 300 to 1300 rpm.
- Automatic adjustment of the working pressure.
- Strong gear box with thermo-hardened steel gears for a longer life.
- Adjustable inclination of the Planetary to allow a bigger frontal cutting.
- No noise during the work.
- Third insertable front wheel for easy transport and to load into the van.
- Auto levelling Planetary System.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 850</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>850mm</td>
<td>3x240 mm</td>
<td>46 lt</td>
<td>150x150x95</td>
<td>441 Kg</td>
</tr>
<tr>
<td>EXPANDER 850</td>
<td>25 HP</td>
<td>18,5 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>32</td>
<td>300-1300 rpm</td>
<td>850mm</td>
<td>3x240 mm</td>
<td>46 lt</td>
<td>150x150x95</td>
<td>451 Kg</td>
</tr>
</tbody>
</table>

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

**ESTIMATED PRODUCTION**

<table>
<thead>
<tr>
<th>Surface Type</th>
<th>Production Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superconcrete 7 step</td>
<td>25-30 m²/h</td>
</tr>
<tr>
<td>Concrete Grinding 1 step</td>
<td>100-130 m²/h</td>
</tr>
<tr>
<td>Terrazzo Polishing 5 step</td>
<td>30-40 m²/h</td>
</tr>
<tr>
<td>Resin Removing 1 step</td>
<td>100-150 m³/h</td>
</tr>
<tr>
<td>Varnish Removing 1 step</td>
<td>100-150 m³/h</td>
</tr>
<tr>
<td>Marble Polishing 5 step</td>
<td>20-30 m³/h</td>
</tr>
<tr>
<td>Granite Polishing 7 step</td>
<td>10-15 m³/h</td>
</tr>
</tbody>
</table>

**DATA FOR SHIPPING**

- Volume Packaging: 2.75 m³
- Size Packaging: 160x160x110 cm
- Weight Packaging: 460 Kg

---

Full metal gear box

Adjustable and removable handle

Intuitive control panel

---

The floor treatment specialist since 1988
EXPANDER 750SX-RX-AT

Remote-control planetary grinding machine with variable speed and adjustable working pressure.

**Remote-controlled grinding and polishing machine for medium and big sized surfaces available into two versions of 15 and 20 HP.**

**Main features:** With the included remote control it is possible to control all the working functions such as: • Speed and directions of the machine. • Speed of the planetary. • Planetary turning directions. • Control of grinding head pressure. • Drift control. • Emergency safety stop. Additional features: • Working width 750 mm with 3 large size 240 mm tools. • Speed of tools ranging from 300 to 1300 rpm. • Automatic adjustment of the working pressure. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Battery powered for independent tractions when unplugged. • Auto levelling Planetary System. • To prevent working emergencies the machine is engineered to be driven manually using the included handle and unlocking traction wheels.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WXHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 750 SX</td>
<td>15 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>413 Kg</td>
</tr>
<tr>
<td>EXPANDER 750 RX</td>
<td>15 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>413 Kg</td>
</tr>
<tr>
<td>EXPANDER 750 AT</td>
<td>15 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>413 Kg</td>
</tr>
<tr>
<td>EXPANDER 750 RX</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>423 Kg</td>
</tr>
<tr>
<td>EXPANDER 750 RX</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>423 Kg</td>
</tr>
</tbody>
</table>

**Estimated Production**

- Superconcrete 7 step: 25-30m²/h
- Concrete Grinding 1 step: 100-130m²/h
- Terrazzo Polishing 5 step: 30-40m²/h
- Resin Removing 1 step: 100-150m²/h
- Varnish Removing 1 step: 100-150m²/h
- Marble Polishing 5 step: 20-30m²/h
- Granite Polishing 7 step: 9-12m²/h

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.

**DATA FOR SHIPPING**

- Volume Packaging: 1,80 m³
- Size Packaging: 150x145x85 cm
- Weight Packaging: 457 Kg

**Remote-controlled: Full metal gear box**

**Powerful traction motors**
Expander 750 with 750 mm working section is the most versatile and selling machine among the Expander series. It is available into two versions of 15 and 20 HP. **Main features:** • Working width 750 mm with 3 large size 240 mm tools. • Speed of tools ranging from 300 to 1300 rpm. • Automatic adjustment of the working pressure. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Auto levelling Planetary System.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 750</td>
<td>15 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>350 Kg</td>
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<tr>
<td>EXPANDER 750</td>
<td>20 HP</td>
<td>15 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>145x145x80</td>
<td>360 Kg</td>
</tr>
</tbody>
</table>

**DATA FOR SHIPPING**

- Volume Packaging: 1,80 m³
- Size Packaging: 150x145x85 cm
- Weight Packaging: 394 Kg

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

**ESTIMATED PRODUCTION**

- Superconcrete 7 step: 25-30m²/h
- Concrete Grinding 1 step: 100-130m²/h
- Terrazzo Polishing 5 step: 30-40m²/h
- Resin Removing 1 step: 100-150m²/h
- Varnish Removing 1 step: 100-150m²/h
- Marble Polishing 5 step: 20-30m²/h
- Granite Polishing 7 step: 9-12m²/h
Expander 650: Remote controlled grinding and polishing machine for medium sized surfaces available into two versions of 10 and 15 HP.

**Main features:** With the included remote control it is possible to control all the working functions such as: • Speed and directions of the machine. • Speed of the planetary. • Planetary turning directions. • Control of grinding head pressure. • Drift control. • Emergency safety stop. **Additional features:** • Working width 650 mm with 3 large size 240 mm tools. • Speed of tools ranging from 300 to 1300 rpm. • Automatic adjustment of the working pressure. • Strong gear box with thermo-hardened steel gears for a longer life. • Adjustable inclination of the Planetary to allow a bigger frontal cutting. • No noise during the work. • Third insertable front wheel for easy transport and to load into the van. • Battery powered for independent tractions when unplugged. • Auto levelling Planetary System. • To prevent working emergencies the machine is engineered to be driven manually using the included handle and unlocking traction wheels.

**DATA FOR SHIPPING**
- **Volume Packaging:** 1,80 m³
- **Size Packaging:** 150x145x85 cm
- **Weight Packaging:** 385 Kg

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 650 SX</td>
<td>10 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>140x145x68</td>
<td>320 Kg</td>
</tr>
<tr>
<td>EXPANDER 650 RX</td>
<td>10 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>140x145x68</td>
<td>320 Kg</td>
</tr>
<tr>
<td>EXPANDER 650 AT</td>
<td>10 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>140x145x68</td>
<td>320 Kg</td>
</tr>
<tr>
<td>EXPANDER 650 RX</td>
<td>15 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>140x145x68</td>
<td>370 Kg</td>
</tr>
<tr>
<td>EXPANDER 650 RX</td>
<td>15 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>44 lt</td>
<td>140x145x68</td>
<td>370 Kg</td>
</tr>
</tbody>
</table>

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*

**ESTIMATED PRODUCTION**

- Superconcrete 7 step: 20-25 m²/h
- Concrete Grinding 1 step: 50-100 m²/h
- Terrazzo Polishing 5 step: 20-30 m²/h
- Resin Removing 1 step: 80-120 m²/h
- Varnish Removing 1 step: 80-120 m²/h
- Marble Polishing 5 step: 12-25 m²/h
- Granite Polishing 7 step: 8-10 m²/h
EXPANDER 650
Planetary floor grinder with variable speed and adjustable working pressure.

Expander 650 with 650 mm working section for medium sized surfaces. It is available into two versions of 10 and 15 HP.

**Main features:**
- Working width 650 mm with 3 large size 240 mm tools.
- Speed of tools ranging from 300 to 1300 rpm.
- Automatic adjustment of the working pressure.
- Strong gear box with thermo-hardened steel gears for a longer life.
- Adjustable inclination of the Planetary to allow a bigger frontal cutting.
- No noise during the work.
- Third insertable front wheel for easy transport and to load into the van.
- Auto levelling Planetary System.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Amp</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 650 10 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>140x145x68</td>
<td>320 Kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPANDER 650 15 HP</td>
<td>11 KW</td>
<td>380-480</td>
<td>25</td>
<td>300-1300 rpm</td>
<td>750mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>140x145x68</td>
<td>330 Kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.

**SUPERCONCRETE 7 step:** 20-25 m²/h
**Concrete Grinding 1 step:** 50-100 m²/h
**Terrazzo Polishing 5 step:** 20-30 m²/h
**Resin Removing 1 step:** 80-120 m²/h
**Varnish Removing 1 step:** 80-120 m²/h
**Marble Polishing 5 step:** 12-25 m²/h
**Granite Polishing 7 step:** 8-10 m²/h

**DATA FOR SHIPPING**
- Volume Packaging: 1,80 m³
- Size Packaging: 150x145x85 cm
- Weight Packaging: 345 Kg

Full metal gear box
Adjustable and removable handle
Intuitive control panel
EXPANDER 530 Propane
Propane floor grinder with patented MONO-ROTATING planetary.

Klindex propane powered grinding and polishing machine with patented geared mono-rotating planetary system. Expander 530 Propane combines performance and reliability of Klindex grinding and polishing machines with the flexibility of propane motor. Propane Expander 530 allows independence from generators or power lines. This robust grinder combines hits weight with a working section of 530mm, providing high productivity rates and constant performances. **Main advantages:**

- No performance drop and loss of time caused by the power grid.
- Very aggressive tanks to the mono-rotating planetary.
- Free from the hassle and costs of extension cords in the yard.
- No need of generator.
- Accurate and reliable adjustable planetary speed.
- Low operating vibrations.
- Light and easy to maneuver.
- Ideal for both indoor and outdoor applications.
- Dry or wet grinding.
- Standard water tank 46 litres.
- Tempered steel gear transmission.

Recommended batteries: battery 12V 550 ACC Class.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Power</th>
<th>Propane tank</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 530 Propane</td>
<td>Kawasaki FS603V</td>
<td>12,7 KW</td>
<td>9Kg/20lbs</td>
<td>580-1000rpm</td>
<td>530mm</td>
<td>3x240mm</td>
<td>46 lt</td>
<td>120x125x60 cm</td>
<td>255 Kg</td>
</tr>
</tbody>
</table>

**DATA FOR SHIPPING**

- Volume Packaging: 0,73 m³
- Size Packaging: 120x80x75 cm
- Weight Packaging: 275 Kg

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.

**ESTIMATED PRODUCTION**

- Superconcrete 7 step: 12-17 m²/h
- Concrete Grinding 1 step: 50-90 m²/h
- Terrazzo Polishing 5 step: 12-17 m²/h
- Resin Removing 1 step: 50-70 m²/h
- Varnish Removing 1 step: 50-70 m²/h

- 240mm tools size
- Powerful motor
- Intuitive control panel
EXPANDER 530-580
Floor grinder with planetary counter-rotating and variable speed.

Expander with 580 mm and 530 mm working section for medium sized surfaces.

**Main features:**
- Working width 580 with 3 large size 240 mm tools or 530 with 3 large size 200 mm tools
- Speed of tools ranging from 300 to 1300 rpm
- Strong gear box with thermo-hardened steel gears for a longer life
- No noise during the work
- Auto levelling Planetary System

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Motor</th>
<th>Drive Inverter</th>
<th>Volt</th>
<th>Hertz</th>
<th>Speed tools</th>
<th>Working Width</th>
<th>Tools Size</th>
<th>Water Tank</th>
<th>Dimensions WxHxD cm</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPANDER 530</td>
<td>2900 Watt</td>
<td>--</td>
<td>220-240</td>
<td>50/60</td>
<td>900 rpm</td>
<td>530mm</td>
<td>3x200mm</td>
<td>18 lt</td>
<td>118x125x57</td>
<td>135 Kg</td>
</tr>
<tr>
<td>EXPANDER 530 VS</td>
<td>3000 Watt</td>
<td>--</td>
<td>220-240</td>
<td>50/60</td>
<td>300-1300 rpm</td>
<td>530mm</td>
<td>3x200mm</td>
<td>18 lt</td>
<td>118x125x57</td>
<td>145 Kg</td>
</tr>
<tr>
<td>EXPANDER 530 T4</td>
<td>4 HP</td>
<td>--</td>
<td>380</td>
<td>50/60</td>
<td>900 rpm</td>
<td>530mm</td>
<td>3x200mm</td>
<td>18 lt</td>
<td>118x125x57</td>
<td>135 Kg</td>
</tr>
<tr>
<td>EXPANDER 530 VS T4</td>
<td>4 HP</td>
<td>--</td>
<td>380</td>
<td>50/60</td>
<td>300-1300 rpm</td>
<td>530mm</td>
<td>3x200mm</td>
<td>18 lt</td>
<td>118x125x57</td>
<td>145 Kg</td>
</tr>
<tr>
<td>EXPANDER 530 VS T5</td>
<td>5,5 HP</td>
<td>--</td>
<td>380</td>
<td>50/60</td>
<td>300-1300 rpm</td>
<td>530mm</td>
<td>3x200mm</td>
<td>18 lt</td>
<td>118x125x57</td>
<td>145 Kg</td>
</tr>
<tr>
<td>EXPANDER 580 T5</td>
<td>5,5 HP</td>
<td>5 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>300-1300 rpm</td>
<td>580mm</td>
<td>3x240mm</td>
<td>18 lt</td>
<td>118x125x63</td>
<td>155 Kg</td>
</tr>
<tr>
<td>EXPANDER 580 T7</td>
<td>7 HP</td>
<td>7,5 KW</td>
<td>380-480</td>
<td>50/60</td>
<td>300-1300 rpm</td>
<td>580mm</td>
<td>3x240mm</td>
<td>18 lt</td>
<td>118x125x63</td>
<td>165 Kg</td>
</tr>
</tbody>
</table>

*Production numbers may vary according to surface conditions, diamonds used, equipment operator, etc.*
The easiest and most accurate way to achieve a planar surface.
The system Klindex SLFF consists of a rotating laser and a signal receiver mounted on the grinder. The system automatically controls the pressure of the machine when grinding. “The receiver axially mounted on the planetary improves the accuracy of the planarity.”

ADVANTAGES:
• One can level a surface in a very simple and effective way.
• Extraordinary saving of time and energy.
• Environmentally friendly because the floor does not require additional coatings.
• Impressive quality-price ratio.
• Perfect for warehouses with high shelving.
Your local distributor:

Calling the number +39 085 859546 it is possible to book a demonstration at your headquarters or your working site.

Klindex® always close to its customers!

**ACCESSORIES**

<table>
<thead>
<tr>
<th>BUSH HAMMER</th>
<th>SANDBLASTING</th>
<th>PDC SCRAPER</th>
<th>PDC SUPER SKRAPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>special tool for many applications.</td>
<td>for Blasting Effect.</td>
<td>to remove thick rubbery material and coating on floor.</td>
<td>to remove thick rubbery material and coating on floor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BT00 ARROW</th>
<th>BT SERIES</th>
<th>TCK DA00 SERIES</th>
<th>DA SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>thin resin/paint removal on hard concrete.</td>
<td>for effective grinding and removing resin, glue and varnish.</td>
<td>levelling, coating removal on concrete.</td>
<td>for medium abrasive concrete.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CD SERIES</th>
<th>CA SERIES</th>
<th>CF SERIES</th>
<th>CS SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>for medium hard concrete.</td>
<td>for abrasive concrete.</td>
<td>for asphalt and very abrasive concrete.</td>
<td>for polished Superconcrete® process.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TRAPEZOID SERIES</th>
<th>SPRING HOLD SYSTEM</th>
<th>JUMPER GREEN SERIES</th>
<th>MS SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>for grinding and polishing concrete floors.</td>
<td></td>
<td>for polished concrete.</td>
<td>for grinding marble floors.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MK YELLOW SERIES</th>
<th>MTS SERIES</th>
<th>ORANGE SERIES</th>
<th>GS SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>for polishing marble.</td>
<td>for grinding travertine, terrazzo, limestone, agglomerate and abrasive marbles.</td>
<td>for polishing terrazzo, limestone and abrasive marble floors.</td>
<td>for grinding granite.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GK RED SERIES</th>
<th>PAVELUX SERIES</th>
<th>ANTIKE BRUSH SERIES</th>
<th>EASY KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>for polishing granite.</td>
<td>for removing mastic and grinding abrasive marbles or granites.</td>
<td>to produce an antique look on stone floors.</td>
<td>Complete Kit for Grinding and Polishing.</td>
</tr>
</tbody>
</table>