

P R O F E S S I O N A L L I N E



*LW46 Hybrid*





## **LW46 Hybrid**

### Perfect in every detail!

#### **STRENGTHS**

- › Design, technology and construction 100% made in Italy
- › Use with battery and cord for non stop working
- › High efficiency motors for the longest running time
- › Maneuverable and light, just guide it and it goes by itself!
- › Removable water tanks on the body frame
- › The world's lowest base housing profile 230mm (9 inch)
- › Superior working capacity 1500 sqm./h (16,000 sqft./h)
- › Scrub and dry to the wall on the side and in front
- › Dries perfectly on turns, thanks to the easy glide suction nozzle
- › Quick brush roller and squeegee replacement without tools
- › The body frame turns to fold the machine for transport in a vehicle
- › Light weight and low noise level

## **LW46 Hybrid**

### Fast and excellent scrub and dry!



### MAINTENANCE WITHOUT TOOLS

- › The easy glide suction nozzle turns in the opposite direction of the machine in order to thoroughly pick up the water.
- › It can be removed without tools and the squeegee can be rotate for 4 side use resulting in maximum cost reduction.
- › The machine has one high speed brush roller (1200 RPM) exposed in front for baseboard cleaning. It is dynamically balanced and can be replaced in a few seconds without tools. The brush pressure is adjustable.

### REMOVABLE WATER TANKS MOUNTED ON THE BODY FRAME

- › The light blue solution tank is equipped with measuring cap.
- › the front recovery tank is equipped with a float system and a motor protection filter. All filters are antiseptic treated to eliminate bacteria's, fungi's and dust mites on contact.
- › The body frame is easily adjustable 160° for maximum operator manoeuvrability. It allow easy access under tables and low furniture and allows the machine to fold for transport in a vehicle.

### ON BOARD BATTERY CHARGER

- › The machine is 100% Hybrid and it works with battery or a power supply with a 15mt. (50ft) cord on board.
- › The recharging time after a complete discharge is reduced to 3 hours instead of the 12 hours of GEL battery.
- › On down time it is possible to recharge the batteries without waiting the complete discharge.

### HIGH EFFICIENCY MOTORS

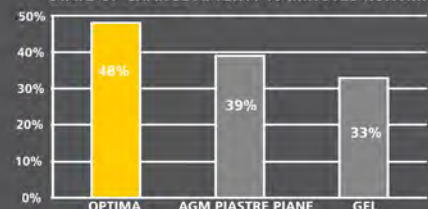
- › The high efficiency dual stage vacuum motor 24VCC – 360W is made by the parent company Rotafil located in Padova – Italy. Very efficient while keeping with the highest performance.
- › The permanent magnet brush motor 24VCC – 150W is also manufactured by Rotafil.
- › Both those new motors have been specifically developed for this machine. The maximum power consumption is only 300W during the recharge and in the use with cord.



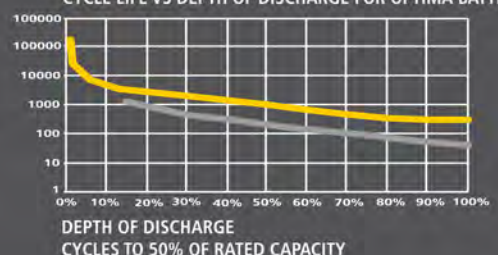
### NEW GENERATION BATTERY

The two cylindrical and sealed AGM batteries are made by Optima U.S.A. This new technology allows a much longer discharge time at the same capacity while maintaining the performance. The recharge time is much quicker. The number of recharging cycles is about double compared to the standard GEL batteries and can be recharged as often as you want even with partial discharge. Capable of vibrations, impacts and temperature variations. Air transport is allowed.

STATE OF CHARGE AFTER A 40 MINUTES RUNTIME



CYCLE LIFE VS DEPTH OF DISCHARGE FOR OPTIMA BATTERIES





## APPLICATION FIELDS

LW46 Hybrid can operate on any type of hard floor with spaces from 200 to 2000sqm (2000 to 20,000 sqft). On the side we represent just a few areas suitable for this machine: car and motorcycle showrooms, churches and museums, dance schools and sports halls, kindergartens, schools, medical centers and hospitals, airports and railway stations, supermarkets and shopping malls, restaurants and fast food, production activities in general, poolside, sport centers and many others.



## ROLLERS

LW46 Hybrid has no limits when it comes to the perfect cleaning of any hard surfaces as: marble, wood, ceramic, resin, quartz etc.

The brush pressure is adjustable. A large selection of other brushes or abrasive disks are available to handle any type of job from delicate to difficult.



## CLEANERS

Lindhaus has developed a few effective and completely foam free concentrated detergents:

Neutrolux: Floor cleaner / maintainer, neutral, self polishing and light scented for ceramic, marble, wood etc.

Actiplus: Universal floor degreasing detergent

Actistrong: Most aggressive degreaser.

## SPECIFICATIONS LW46 Hybrid

Voltage (V/hz)	100-240 / 50-60
Battery charger on board	24VDC-10A
Total Power (W)	540
Cable on board mt (ft)	15 (50)
High efficiency vacuum motor Rotafil (W)	360
Water lift mm/H <sub>2</sub> O (in/H <sub>2</sub> O)	1250 (49.2)
Air volume lt/sec (CFM)	35 (74)
Water dosing	Pump
Brush motor permanent magnet Rotafil (W)	150
Brush roller D / L mm (inch)	80 / 460 (3.2/18.1)
Brush speed RPM	1200
Suction blade mm (inch)	520 (20.47)
Water tank (lt.)	10
Recovery tank (lt.)	13
Working time per full tank (min.)	30
Working capacity sqm./h (sqft./h)	1500 (16,000)
Working time with battery fully charged (h)	1:30
Recharge time (h)	3
Base height mm (inch)	230 (9)
Noise level db(A)	69
Total weight kg (lb)	60,4 (133)
Sealing protection	IPX 4



APPROVALS:



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