100%
MADE IN ITALY

LINDHAUS®
QUALITY CLEANING EQUIPMENT

PROFESSIONAL LINE



LS50 HYBRID



LS50 Hybrid

Wide area upright vacuum cleaner

STRENGTHS

- Design, technology and construction 100% made in Italy
- Use with battery and cord for extended working time
- High efficiency motors for the longest running time
- Maneuverable and light, just guide it and it goes by itself!
- Dust bag tank removable on the body frame
- Large dust bag capacity (16 lt.)
- 4 levels of filtration with Hepa filter (optional)
- The world's lowest base housing profile 230 mm (9 inches)
- Superior working capacity 1500 sqm/h (16,000 sqft/h)
- Self adjusting suction nozzle, easily removable for cleaning
- Equipped with full set of tools on board
- Quick brush roller replacement without tools
- The body frame turns to fold the machine for transport in a vehicle
- Light weight and low noise level







EXCELLENT CLEANING EFFICIENCY ON ANY CARPET!

The bag housing has two comfortable handles for easy transport and cleaning. A large microfiber bag and washable motor protection filter are standard, while reusable washable bag and washable Hepa filter are optional.
Optional **DCS** converter is available to transform **LS50** into a carpet sanitizer with the use of dedicated Lindhaus Dry Cleaning Detergents.



ON BOARD BATTERY CHARGER

LS50 is 100% Hybrid and it works with battery or a power supply with a 15 mt. (50 ft) cord on board.
The recharging time after a complete discharge is around 3 hours, compared to 12 hours of GEL battery. On down time it is possible to recharge the batteries without waiting the complete discharge.



MAINTENANCE WITHOUT TOOLS

The machine is equipped with a full set of tools on board for the aerial cleaning. Wide body frame rotation for easy access under tables and transport.
LS50 has one high speed brush roller (1200 RPM) dynamically balanced that can be replaced in a few seconds without tools. The brush pressure is adjustable.

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.



APPLICATION FIELDS

LS50 Allows a wide rotation of the drawbar to work easily under tables and for its transport. It can work on any type of carpet with spaces from 200 to 3000 square meters. Just some of the perfect applications for the **LS50 Hybrid** are: congress centers, large hotels, mosques, sports halls, schools, medical facilities, airports, railway stations, shopping malls, and many others.



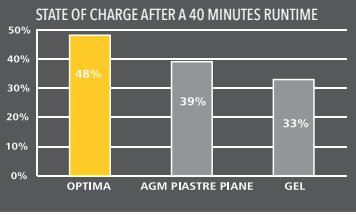
CLEANERS

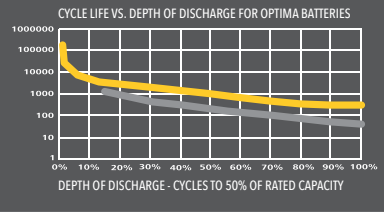
Lindhaus has developed a unique, effective and completely foam free concentrated detergent: Eco dry **LS500 Crystal**, liquid crystallizing stain remover for carpets, rugs, mattresses and textile surfaces.



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.














TECHNICAL SPECIFICATIONS	LS50 Hybrid	LS50 Electric
Working width - brush (mm/in)	450/18	450/18
Working width - vacuum (mm/in)	450/18	450/18
Working capacity apx. (sqm/h / sqf/h)	1500/16000	1300/14000
Filter bag capacity (3-layer microfiber - lt.)	16	16
Brush roller rotation speed (RPM)	1200	1200
Base height (mm/in)	230/9	230/9
Weight on handle (Kg/lb)	0	0
Full set of tools on board	Standard	Standard
Voltage/Frequency (V/Hz)	24 DC	220-240/50-60
Input power (W)	540	900
Rotafil high-efficiency vacuum motor (W)	360	600
Rotafil top-performance brush motor (W)	150	300
Power cord length (mt./ft)	15/49.2	15/49.2
Water-lift/vacuum (mm/H_2O / in/H_2O)	1250/49.2	1800/71
Air flow (lt/sec./CFM)	35/74	40/85
Motor protection filter (washable)	Standard	Standard
HEPA filtration level at 0.3µm (H11-wash.-opt.)	99.96%	99.96%
Battery charger (V/Hz)	100-240/50-60	-
Run-time - fully charged battery (min.)	90	-
Battery recharging time (min.)	180	-
Battery check with charge level indicator	Standard	-
Soft-start and overload electronic control	Standard	Standard
Protection class	IPX 4	IPX 4
Noise level (dbA)	68	69
Total net weight (Kg/lb)	55/121	30/68
Dimensions (mm/in)	505x600x1200 H / 19.9x23.6x47.2 H	

Nemko

CE

HEADQUARTERS • LINDHAUS SRL
Via Belgio, 22 Z.I. 35127 • Padova, ITALY
tel. +39 049 8700307 • fax +39 049 8700605
vacuum@lindhaus.it • www.lindhaus.it

LINDHAUS USA
Minneapolis • Minnesota USA
tel. 800 498 7526 • Fax 952 707 1134
info@lindhaus.com • www.lindhaususa.com

DEALER STAMP

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