



LINDHAUS[®]
QUALITY CLEANING EQUIPMENT

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



eco FORCE

LS38 L-ion 
LS38 Electric





LS38 L-ion LS38 Electric

Mini Multifunction Vacuum Sweeper "twin force"
for hard floors and carpets

STRENGTHS

- › Ideal for mixed applications: hard floors / carpeted floors
- › Patented mechanical sweeping system "Twin Force" and powerful suction
- › 6-stage filtration system
- › Only 100gr. Handle weight, quiet and easy-to-use
- › Ergonomic handle and aluminum telescopic wand
- › Only 14cm base-height for easy access under furniture
- › Adjustable front flap to collect debris up to 10mm size
- › Dry Cleaning System (DCS) available (optional)
- › Battery Version equipped with 36V-6.6Ah Lithium Ion battery for long runtime
- › Electric Version with 15 mt cable for non-stop work
- › Energy Class "A" ("A ++" from September 2017)

1. MINI VACUUM SWEEPER

A machine unique in the world, entirely covered by an international patent. LS38 combines the mechanical strength of two high speed counter-rotating rollers "twin force", which rotate at 2000 RPM, to a perfect suction over the entire sweeping width. Rotafil designed for this machine a new high-efficiency suction motor with integrated drive system for the two brush-rollers. The patented drive system with Poli-V toothed belts allows the counter rotation of the brush-rollers with maximum quietness and top reliability.

The swivel joint allows a real practical steering effect.



2. VERY LOW ENERGY CONSUMPTION

Energy consumption is extremely low: only 400W for the Electric version and 270W for the L-ion Battery version. Today the best "A" Class vacuum cleaner have an energy consumption of 750W, while the best professional carpet-cleaner 900W.

LS38 Electric version is already "A" Class and will be "A++" as from September 2017. The machine is very silent and extremely maneuverable. Its two counter rotating brush-rollers allow to collect any debris up to 10mm size (even a pen, difficult to collect as it is thin and long). The suction is very strong over the entire sweeping width thanks to the high-efficiency Rotafil suction motor.



IDEAL FOR ANY FLOOR

The machine runs smoothly on 4 anti-scratch rubber wheels. The central wheels are pivoting allowing incredible maneuverability. The swivel joint allows a real practical steering effect. The machine is perfectly at ease on rough and polished floors even with wide and deep joints. The combination of mechanical action and suction allows to perfectly collecting while also vacuuming.



INCREDIBLE EFFICIENCY ON CARPETS

It is the ideal tool for low-pile carpets and rugs. Double mechanical action (**twin force**) and suction allow to deep cleaning carpets as much as the best Lindhaus professional carpet cleaners.



ADJUSTABLE FLAP

To obtain the maximum suction together with the maximum capacity to collect large size debris, we have patented an adjustable front flap to adapt the machine to any requirement. The collection filter bag has an opening wide as much as the brushes themselves thereby preventing any possibility of obstruction.

DRY CLEANING SYSTEM

In seconds and with no tools the DCS (Dry Cleaning System) converter (optional) can be installed to convert the LS38 in a very effective dry carpet dry cleaner, thanks to the mechanical action ensured by the two high speed counter-rotating brush rollers. Original Lindhaus ecological detergents are available for cleaning and maintenance of textile surfaces.



MAINTENANCE WITH NO-TOOLS

Maintenance cannot be easier.

No tools are required to replace the brush-rollers, to clean the brush area or to replace the filters.

The brush-rollers are dynamically balanced and rotate at 2000 and 2300 RPM respectively for versions L-ion and Electric. The brush supports are on metal with ball bearings.



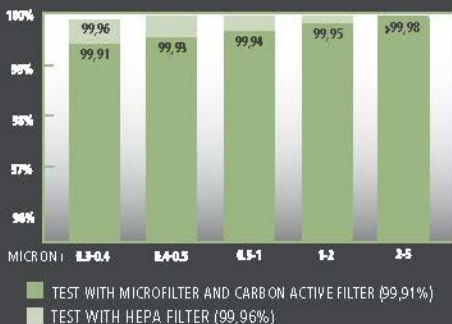
LINDHAUS LITHIUM-ION BATTERIES

After years of specific dedicated tests Lindhaus developed lithium-ion batteries for professional use. The capacity is extremely high: 36V-6.6Ah allow working continuously and effectively for 50 min. on floors and about 40 min. on low pile carpets. The replacement of the battery takes seconds with-no-tools, allowing to easily extending runtime with a second battery (optional). The total recharging time is very short: only 90 min. The batteries are for professional use and have a life time of 800 charging cycles.



NET FILTRATION EFFICIENCY

The net filtration efficiency is over 99% at 0.5 microns unlike all other competitors' mini sweepers that have neither any suction nor filtration system.



TECHNICAL SPECIFICATIONS	LS38 L-ion	LS38 Electric
Working width, vacuum (mm/inch)	380	380
Working width, brush (mm/inch)	350	350
Brush-rollers n./ rotation speed (RPM)	2 / 2000	2 / 2300
Filter bag (3 layer micropore) capacity (lt)	4	4
3M Filtrete exhaust microfilter	Standard	Standard
Full bag indicator	Standard	Standard
Battery specification (Li-ion type)	36V - 6.6 Ah	-
Run-time on floors (min)	50	Non stop
Run time on carpet (min)	40	Non stop
Battery recharging time (min)	90	-
Input power suction / brush motor (Watt)	270	400
Vacuum / Water lift (mm/H ₂ O)	650	1170
Air flow (lt/sec)	15	26
Soft start and overload electronic control	Standard	Standard
Battery check with charge level indicator	Standard	-
Automatic shut-off for low battery	Standard	-
Noise level db (A)	65.3	65.8
Total net weight (kg)	7.6 (with batt)	6.4
Weight on handle (kg)	0.10	0.10
Reinforced power cord (mt)	-	15
Dimensions LxWxH (mm)	380x440x140	380x440x140
Double insulation	Standard	Standard

APPROVALS:



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