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# LINDHAUS®

QUALITY CLEANING EQUIPMENT

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



**LS38 L-ion**



**LS38 Electric**



## LS38 L-ion

### LS38 Electric

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



#### STRENGTHS

- › Ideal for multiple applications: hard floors/carpeted floors
- › Patented mechanical sweeping system "Twin Force" and powerful suction
- › 6-stage filtration system
- › Only 100gr (3.53oz). Handle weight, quiet and easy-to-use
- › Ergonomic handle and aluminum telescopic wand
- › Only 14cm (5.5in) base-height for easy access under furniture
- › Adjustable front flap to collect debris up to 10mm (0.39in) size
- › Encapsulation/Dry Cleaning System (DCS) available (optional)
- › Battery Version equipped with 36V - 6Ah Lithium Ion battery for long runtime
- › Electric Version with 10mt (32.8ft) cable for continuous work
- › Energy Class "A" ("A++" as of September 2017)

#### 1. MINI VACUUM SWEEPER

A machine unique to the industry, 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, providing suction over the entire sweeping width. Rotafil designed, for this machine, a new high-efficiency suction motor with an integrated drive system for the two brush-rollers. The patented drive system with Poli-V / cogged drive belts, allows the counter rotation of the brush-rollers to provide ultimate quietness and maximum reliability. The swivel joint provides a precise 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. Currently the best "A" class vacuum cleaners have an energy consumption of 750W, while the best professional carpet-cleaners 900W. LS38 electric version is already "A" class and will be "A++" as of September 2017. The machine is very quiet and extremely maneuverable. It's two counter rotating brush-rollers collect any debris up to 10mm (0.39in) 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.





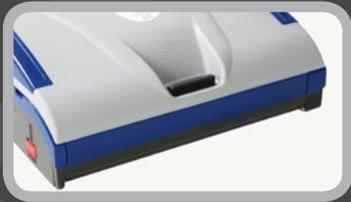
### IDEAL FOR ANY FLOOR

The machine runs smoothly on 4 anti-scratch rubber wheels. The central wheels are pivoting allowing incredible maneuverability. The swivel joint provides a precise steering effect. The machine is perfectly at ease on rough or polished floors even with wide and deep joints. The LS38 provides the perfect combination of mechanical action and suction with sealed filtration.



### INCREDIBLE EFFICIENCY ON CARPETS

It is the ideal tool for low-pile carpets and rugs. Double mechanical action (twin force) and suction allow the deep cleaning of carpets equally as well as the best Lindhaus professional vacuums.



### 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 as wide as the brushes themselves thereby providing less possibility of obstruction.

### DRY CLEANING SYSTEM / ENCAPSULATION

In seconds and with no tools, the DCS (Dry Cleaning System) converter (optional) can be installed to convert the LS38 to a very effective Low Moisture Carpet Cleaner thanks to the mechanical action of the two high speed counter-rotating brush rollers.



### MAINTENANCE WITH-NO-TOOLS

Maintenance could not 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 2200 RPM respectively for versions L-ion and Electric. The brush supports are metal with sealed ball bearings.



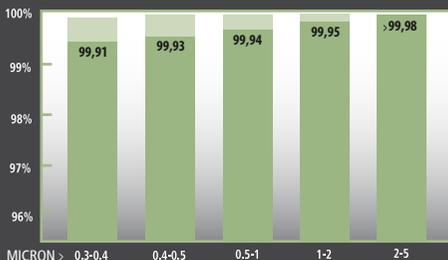
### LINDHAUS LITHIUM-ION BATTERIES

After years of specific dedicated tests Lindhaus developed lithium-ion batteries for professional use. The capacity is extremely high: 36V-6Ah allowing it to work continuously and effectively for 50 minutes on floors and about 40 minutes on low pile carpet. The replacement of the battery takes seconds with no tools, in this regard the user can easily extend runtime with a second (optional) battery. The total recharging time is very short: only 90 minutes. The batteries are for professional use and have a lifetime of approximately 800 charging cycles.



## NET FILTRATION EFFICIENCY

The net filtration efficiency is over 99% at 0.5 microns unlike other competitors mini sweepers that don't have suction or filtration systems.



TECHNICAL SPECIFICATIONS	LS38 L-ion	LS38 Electric
Working width, vacuum (mm)	380 (15)	380 (15)
Working width, brush (mm)	350 (13.8)	350 (13.8)
Brush-rollers n./ rotation speed (RPM)	2 / 2000	2 / 2200
Filter bag (3 layer microfibre) capacity (lt)	4	4
3M Filtrete exhaust microfilter	Standard	Standard
Full bag indicator	Standard	Standard
Battery specification (Li-ion type)	36V - 6Ah	-
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 <sub>2</sub> O (in/H <sub>2</sub> O)	650 (25.6)	1000 (39.4)
Air flow lt/sec (CFM)	15 (32)	24 (51)
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 (16.7) with batt	6.4 (14.1)
Weight on handle (kg)	0.10 (0.22)	0.10 (0.22)
Reinforced power cord (mt)	-	10 (33)
Dimensions LxWxH (mm)	380x440x140 (15x17x5.5)	380x440x140 (15x17x5.5)
Double insulation	Standard	Standard

APPROVALS:  

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