

# SW24R

*BATTERY RIDE-ON SWEEPER*



**HILLYARD**  
  
*The Cleaning Resource®*

 **TRIDENT®**

Better Built. Better Equipment.

Better Built. Better Equipment.



Intelligent Design



Exceptional Engineering



Innovative Technology

The Trident SW24R is a remarkable ride-on battery-powered sweeper with powerful benefits, making it a standout choice for indoor and outdoor cleaning tasks. Versatility is at the core of its design, as it can be used for hard floors or carpet, depending on the brush used. Its excellent sight lines give operators the advantage of enhanced visibility, allowing them to clean with precision and efficiency.

Comfort is not compromised with the Trident SW24R. The cushioned seat provides a comfortable work environment, while the ergonomically designed steering wheel ensures operators can maintain peak performance without discomfort.

Maintenance is hassle-free, with the ability to remove the brush without tools. This feature streamlines upkeep, reducing operational disruptions.

With a broad 31-inch cleaning path, the Trident SW24R boasts an impressive cleaning capacity, covering 54,900 square feet per hour. The Trident SW24R is a versatile, comfortable, and efficient ride-on sweeper, redefining indoor and outdoor cleaning standards with its superior performance and user-friendly features.

- A single-button emergency stop and automatic braking when the pedal is released enhance safety.
- The standard blinking-light kit helps keep occupants aware when the machine is nearby. Optional LED headlights illuminate the cleaning path and improve machine visibility.
- Optional cloth filter for enhanced filtration in environments with very fine dust.



Emptying the 65-liter debris hopper is a breeze thanks to its equipped wheels, simplifying the task and minimizing downtime.



Lowered foot board makes access from either side easy. Just an 8-inch step to get on the machine.



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## Power Options

### Maintenance Free



- The ultimate solution for simplicity and durability.
- Virtually maintenance free. Just plug in the charger when not in use.
- Full replacement three-year warranty with use of the included Protection from Overdischarge (POD) device.



### Flooded Lead Acid



- Conventional deep-cycle battery for cleaning equipment.
- High quality, lower-cost alternative to maintenance-free batteries.
- Requires routine maintenance to maintain electrolyte levels and warranty. Pro-rated one-year warranty.



## Battery Charger - Lester Summit Series II



Full replacement 3-year warranty



### BLUETOOTH®

Featuring Bluetooth wireless communication with apps for Apple® and Android® phones and tablets. View charge cycle status, select the active battery profile, upload new profiles, change between on-board and off-board and download charge history records anytime using just a smart phone or tablet.



### PERFORMANCE

Our Summit Series® II provides industry leading charging performance and intelligence. Our proprietary Progressive DV/DT charge algorithm ensures a precisely charged battery every time. The chargers are tested in extreme temperatures and operating conditions and built to last.



### EFFICIENCY

Our switch mode (high frequency) chargers have best-in-class efficiency and are compliant with the latest DOE and CEC standards. We operate a CEC approved laboratory in our Lincoln, NE manufacturing plant.

### CARPET SWEEPING

When equipped with the natural fiber brush, the SW24R is ideal for cleaning carpeted surfaces found in airports, hotels, or convention centers.

Large debris is swept into the hopper and fine debris is captured by the filtration system.



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		SW24R
Hillyard Item Number		HIL56038
Central Brush Width	in	23.6
Cleaning Path with Side Brush	in	31.5
Side Brush Quantity		1
Central Brush Options		General purpose, Polypropylene 0.7mm/1.1mm (Standard) HIL437902 Carpet, Natural fiber (Optional) HIL438621
Forward Speed	mph	Up to 3.4 mph
Central Brush Motor	HP/W	0.5 / 380
Side Brush Motor	HP/W	0.12 / 90
Traction Motor	HP/W	0.4 / 300
Filter Shaker Motor	HP/W	0.11 / 80
Dumping System		Manual
Debris Hopper Capacity	l	65
Filtration		Stage 1 Polyester (Standard) Cloth (Optional) Cloth filter has more surface area and is washable.
Filter Surface Area	in <sup>2</sup>	4960
Power Supply		24V DC
Driving LED lights		Standard
Productivity Rate	ft <sup>2</sup> /hr	54,900
Machine dimensions (L x W x H)	in	57.3 x 33.3 x 40.5
Machine Weight (without batteries)	lbs	387 lbs
Machine Weight (with batteries)	lbs	2 X 128AH TPPL Batteries - 576 lbs 2 X 150AH WET Batteries - 555 lbs

#### ORDER WITH FACTORY INSTALLED BATTERIES

Equipment purchased with factory installed batteries include batteries, cables, and a shelf charger. TPPL machines are equipped with the required Protection From Overdischarge (POD) device.

Model	SW24R	
	HIL56038SLA	HIL56038WET
Hillyard Item Number	HIL56038SLA	HIL56038WET
Battery Type	Maintenance Free (TPPL)	Flooded Lead Acid
Quantity	2	2
Voltage / Capacity	12 V / 128 AH	12 V / 150 AH
Dimensions LxWxH (in)	13.5 x 7.3 x 11	13 x 7.2 x 11.2
Weight, Each (lbs)	95	85
Includes	Machine, batteries, cables, shelf charger, POD device	Machine, batteries, cables, shelf charger



**HILLYARD**  
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