

**Sumachay Warehouse Essentials Series****PRODUCT OVERVIEW**

The SESR15 is a compact walkie-type electric pallet jack designed as a reliable, entry-level powered handling solution for light-to-medium duty warehouse operations. Powered by a 24V/20Ah LiFePO4 lithium-ion battery with a swappable battery design, the SESR15 delivers consistent performance in retail, light manufacturing, and distribution environments. The electromagnetic braking system and ergonomic adjustable handle provide safe, intuitive operator interaction.

**KEY ADVANTAGES**

- Swappable 24V LiFePO4 battery design enables continuous multi-shift operation
- Compact turning radius of 1,468 mm for efficient navigation in confined areas
- Electromagnetic braking system for reliable, maintenance-free stopping performance
- Ergonomic adjustable handle height (740–1,160 mm) for operator comfort
- Lightweight 168 kg service weight for easy transport and floor loading compliance

**TYPICAL APPLICATIONS**

- Light-to-medium duty warehousing
- Retail store receiving and backroom operations
- Small distribution centers
- Manufacturing work-in-process transport
- Loading dock operations



## TECHNICAL SPECIFICATIONS

### GENERAL

Model	SESR15
Drive Type	Electric
Operation Type	Walkie
Rated Capacity	1,500 kg / 3,300 lb
Load Center	600 mm / 23.6 in
Service Weight (with battery)	168 kg / 370 lb

### DIMENSIONS

Overall Length	1,673 mm / 65.9 in
Body Length	453 mm / 17.8 in
Overall Width	685 mm / 27.0 in
Fork Size (s / e / l)	50 / 150 / 1,220 mm (1.97/5.91/48.0 in)
Fork Width (Outside)	685 mm / 27.0 in
Lowered Fork Height	85 mm / 3.35 in
Maximum Lift Height	200 mm / 7.87 in
Wheelbase	1,313 mm / 51.7 in
Backrest to Front Wheel	1,014 mm / 39.9 in
Turning Radius	1,468 mm / 57.8 in
Minimum Ground Clearance	35 mm / 1.38 in
Handle Height (Adjustable)	740–1,160 mm / 29.1–45.7 in
Aisle Width (1000x1200 Pallet, Crossways)	1,874 mm / 73.8 in
Aisle Width (800x1200 Pallet, Lengthways)	1,924 mm / 75.8 in

### PERFORMANCE

Travel Speed (Loaded / Unloaded)	4.2 / 4.5 km/h
Maximum Gradeability (Loaded / Unloaded)	5% / 10%
Noise Level	≤70 dB(A)

### WHEELS

Drive Wheel Size	Ø210 × 70 mm (8.27 × 2.76 in)
Load Wheel Size	Ø80 × 85 mm (3.15 × 3.35 in)
Wheel Material	Polyurethane (PU)
Wheel Configuration (Front / Rear)	1x / 2
Tread Width	535 mm / 21.1 in

### POWER SYSTEM

Drive Motor Power	0.75 kW
Lift Motor Power	0.8 kW
Battery Type	Lithium LiFePO4
Battery Voltage / Capacity	24V / 20Ah
Battery Weight (±5%)	10.2 kg / 22.4 lb
Controller Type	DC Controller

### BRAKING & CONTROL

Service Brake	Electromagnetic Brake
Drive Control	DC Controller

### COMPLIANCE

CE Certification	Yes
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All specifications are subject to change without notice. Values shown are nominal; actual performance may vary based on operating conditions. Specifications sourced from Sumachay product documentation. "— Not specified" indicates data not available at time of publication.