

## Sumachay Plus Series

### PRODUCT OVERVIEW

The SST15+ is a full-electric walkie stacker in the Sumachay Plus Series, engineered for multi-shift stacking and retrieval operations. With a 3,500 mm maximum lift height and 1,500 kg rated capacity, the unit handles high-density racking environments with precision. Powered by a 24V/100Ah lithium-ion battery with 6–8 hours continuous runtime and 1.5-hour fast charge to 80%, the SST15+ is built for demanding multi-shift duty cycles.

### KEY ADVANTAGES

- 3,500 mm (137.8 in) maximum lift height for multi-level racking applications
- 24V/100Ah lithium-ion battery with 6–8 hour runtime and 1.5-hour fast charge to 80%
- Adjustable fork width range (198–800 mm / 7.8–31.5 in) for pallet size flexibility
- 1.5 kW AC drive motor and 2.2 kW AC lift motor for consistent heavy-load performance
- 18-month warranty with priority support under the Sumachay Plus program

### TYPICAL APPLICATIONS

- High-density warehousing and racking operations
- Order picking and inventory management
- Manufacturing work-in-process staging
- Distribution center pallet stacking
- Retail and wholesale backroom storage



## TECHNICAL SPECIFICATIONS

### GENERAL

Model	SST15+ (WS15H)
Manufacturer	Sumachay Plus
Drive Type	Electric
Operation Type	Walkie
Rated Capacity	1,500 kg / 3,300 lb
Load Center	600 mm / 23.6 in
Service Weight (incl. battery)	500 kg / 1,102 lb

### DIMENSIONS

Overall Length (With Forks)	2,400 mm / 94.5 in
Overall Length (Without Forks)	1,280 mm / 50.4 in
Overall Width	820 mm / 32.3 in
Fork Size (s x w x l)	50 x 160 x 1,120 mm
Fork Width (Adjustable Range)	198–800 mm / 7.8–31.5 in
Straddle Leg Inner Width	914–1,321 mm / 36–52 in
Straddle Leg Outside Width	1,118–1,524 mm / 44–60 in
Lowered Fork Height	85 mm / 3.3 in
Maximum Lift Height	3,500 mm / 137.8 in
Fork Raised Height	3,385 mm / 133.3 in
Mast Lowered Height	2,270 mm / 89.4 in
Mast Extended Height	3,700 mm / 145.7 in
Wheelbase	1,130 mm / 44.5 in
Turning Radius	1,435 mm / 56.5 in
Min. Ground Clearance (Center)	35 mm / 1.4 in
Min. Ground Clearance (Below Mast)	80 mm / 3.1 in
Aisle Width (1000x1200 Pallet)	2,340 mm / 92.1 in
Aisle Width (800x1200 Pallet)	2,210 mm / 87.0 in

### PERFORMANCE

Travel Speed (Loaded / Unloaded)	4.5 / 4.5 km/h
Lift Speed (Loaded / Unloaded)	50 / 70 mm/s
Lowering Speed (Loaded / Unloaded)	50 / 45 mm/s
Maximum Gradeability (Loaded / Unloaded)	6% / 12%
Noise Level	≤70 dB(A)
Continuous Runtime	6–8 hours

### WHEELS

Drive Wheel Size	Ø230 x 80 mm
Load Wheel Size (Single)	Ø80 x 70 mm
Load Wheel Size (Double)	Ø82 x 60 mm
Wheel Material	Polyurethane (PU)
Wheel Config. (Drive / Load / Support)	1 / 2 / 2
Tread Width	600 mm / 23.6 in

### POWER SYSTEM

Drive Motor Power (AC)	1.5 kW
Lift Motor Power (AC)	2.2 kW
Battery Type	Lithium-Ion
Battery Voltage / Capacity	24V / 100Ah
Charger Input	110–240V / 50–60Hz
Charging Time (0–80% / 0–100%)	1.5 / 2.0 hours
Controller Type	AC Controller

### BRAKING & CONTROL

Service Brake	Electromagnetic Brake
Drive Control	AC Controller