



SSS-25



 **S-SERIES[®]**
15/17/20/25

Max Load Capacity
3000/3500/4000/5000 lbs.
(1360/1588/1814/2268 kg)

OVERVIEW

01

UNMATCHED COMFORT.
UNRIVALED CONTROL.

The SES is engineered for all-day efficiency, providing operators of all sizes with ample space to work comfortably. The spacious operator compartment positions the hands outboard of the body, allowing for effortless visibility in busy environments.

A synchronized armrest and joystick control adjust together, ensuring optimal hand and arm alignment at any height. The cupped armrest cradles the arm, making it easy to maintain a centered, ergonomic grip on the joystick for precise control.

For superior shock absorption, the SES features a floating floor with multiple isolators—minimizing fatigue and reducing the wear and tear seen in forklifts that rely on a single shock-absorbing cylinder. A recessed footrest allows operators to adjust their stance freely for added comfort.

Designed with convenience in mind, the SES includes built-in storage trays, a phone holder, a recessed control panel, and a rearward-facing display, keeping essentials within easy reach.

Whether navigating demanding tasks or spending hours on the job, the SES delivers an ergonomic advantage that enhances comfort, boosts productivity, and keeps operators performing at their best.



OUR FORKLIFTS DON'T TAP
OUT AT FULL LIFT HEIGHT;

**100% CAPACITY
UP TO: 188"**

FEATURE

02

PRECISION CONTROL
MEETS ULTIMATE COMFORT

The intuitive joystick control simplifies operation, allowing seamless tilting, lifting, and lowering—with the ability to perform two functions simultaneously. The joystick is ergonomically designed, its ergonomic 2-year contoured shape naturally fits the hand, ensuring all-day comfort and reducing strain.

Advanced electric steering provides just the right amount of assist at any speed, delivering a firm, responsive feel for precise tracking and confident maneuvering.

For superior visibility, the sloped front angle and patented nested beam mast design offer an unobstructed downward and forward view, improving safety and awareness in high-traffic workspaces.

The SES is engineered for efficiency, precision, and operator comfort—because better control means better performance.



Operator Compartment

- Cushion is 25" tall, remains easy to reach at ALL positions.
- Floating floor with shock absorbing isolators reduces operator fatigue.
- The control remains easy to reach at ALL positions.



Optimal Driving Stance

Match posture against head, comfortably apart for better control, visibility, and easy maneuvering in busy areas.

NATURAL
90°
STANCE

- The armrest and control adjust together.
- The control remains easy to reach at ALL positions.

FEATURE 03

SMART DASH

Intelligent Monitoring at Your Fingertips

The 5-inch color LCD display puts critical safety, efficiency, and performance insights front and center while protecting your truck from unnecessary wear and tear.

Customize your truck with programmable travel speed limits, turtle mode speeds, operator access codes, and low battery alerts. Automatic dealer contact prompts help ensure swift issue resolution, minimizing downtime.

Smart Dash restricts shifting until the truck slows to a preset speed to prevent shift shock, protecting transmission components from premature wear.

Technicians benefit from real-time diagnostics displayed directly on the screen, eliminating the need to open service hatches or manually inspect components. Integrated with the CAN bus system, Smart Dash ensures seamless communication across all truck systems for reliable, data-driven performance.



Programmable Features

- Turtle mode to limit travel speed.
- Limit maximum travel speed.
- Decrease Shock Shift (prevents shifting at excess speeds that shake the truck).
- Low battery level alarm.
- Dealer contact information provided when error occurs.



Service Truck Through Smart Dash

Eliminates need to open the service hatch to physically access truck components.

3 Power Modes

ECONOMY:	Lowest Energy Use
STANDARD:	Maximize Performance
POWER:	Maximum Performance

FEATURE 04

UNMATCHED STRENGTH, STABILITY, & EFFICIENCY

The SES is built for durability and peak performance, delivering superior stability with patented, industry-leading nested I-Beam masts engineered for greater strength than traditional C-channel designs.

With exceptional capacity retention, this forklift maintains more weight capacity at higher fork heights, eliminating the need for a higher-capacity truck and reducing overall investment costs. The 8-roller carriage—featuring six vertical rollers and two side thrust rollers—minimizes mast wobble, giving operators the confidence to handle heavy loads efficiently.

The maintenance-free electric braking system reduces operating costs with no service requirements, no brake pads to replace, and no risk of oil leaks. Its energy-efficient design extends battery runtime and lowers energy costs.

Lithium-Ion Battery

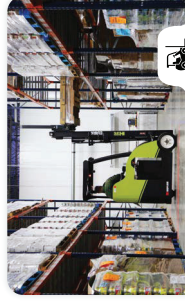
LI-ION

The 30V lithium-ion battery, available directly from the factory, increases ROI, decreases downtime, and delivers higher sustained power with no voltage drop-off during operation. Additional features of the lithium-ion battery include:

- Virtually maintenance-free, with no watering or battery swapping required.
- Longer battery life, reducing the need to swap out batteries.
- Longer battery life, requiring fewer replacements.
- CLARK Fusion option is available.

Designed for reliability, the SES features a fully welded frame, providing exceptional durability compared to competitor bolt-together designs. For easy servicing, the front cover opens for quick access to wiring, fuses, and controllers, minimizing downtime and simplifying maintenance.

Backed by an industry-leading full warranty of 2 years or 4,000 hours, the SES is engineered to deliver strength, stability, and efficiency you can trust—every shift, every day.



Class Leading Mast Strength & Stability

- Capacity Retention At Higher Heights.
- Increased Mast Strength.
- Increased Mast Stability.
- Operator Confidence For Fast Maneuvering.
- Full capacity lift up to 188"



8 Roller Carriage & I Beam Mast

- 8 Roller Carriage
- 2 Side Thrust Rollers

I Beam Masts

- Increased Capacity vs. C Channel masts



Electric Brakes

Low Cost of Ownership

- Minimal to no service needed
- No oil changes or leaks to wear
- No oil to leak
- Energy efficient

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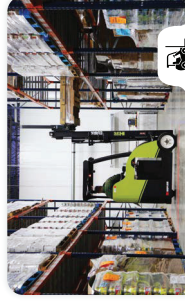
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ADVANCED SAFETY SYSTEMS

Confidence and Control

The SES has intelligent safety features that protect operators and cargo, ensuring a secure and productive work environment.

To maintain safe operation, the SES uses real-time fork height monitoring to automatically adjust travel speed, lift speed, and tilt range, preventing unsafe movements. Additionally, lifting is restricted to a safe range beyond a safe range. A suite of integrated safety systems further enhances protection.

Automatic Shutoff for Unsafe Operator Position – If an operator steps on the safety bar in an unsafe position, the truck immediately disables operation. **Operator Presence Switch** – The truck will not travel or lift unless the operator's foot is correctly positioned. If removed, the parking brake automatically engages.

Self-Activating Parking Brake – Engages automatically when the truck is powered off. **Anti-Rollback System** – When stopped on an incline, the motor prevents the truck from rolling backward.

Curve Control System – Automatically reduces speed in turns, minimizing tipping risks. **Load Capacity Indicator** – Ensures forks are perfectly aligned with the floor, preventing spills, reducing pallet damage, and improving efficiency.

With these advanced safety innovations, the SES delivers exceptional control, stability, and peace of mind in every operation. The CLARK Smart Telematics is an available option.



Full Comfort Shift, Full Capacity Lift.



ADVANCED SYSTEMS FOR CONFIDENCE & PERFORMANCE

The SES is built with advanced features that enhance control, safety, and efficiency in every shift.

Standard LED lights provide bright, energy-efficient illumination for improved visibility in low-light conditions. The load weight indicator ensures operators are aware of load capacity, preventing overload and enhancing operational efficiency.

The SES includes a fire extinguisher, and an emergency stop button for added safety, offering immediate response options in critical situations. Red boundary lights create a highly visible safety zone around the truck, increasing awareness for pedestrians and nearby workers.

The SES features a built-in fan to keep operators cool in hot conditions and a USB port to keep devices powered throughout the shift, enhancing operator comfort.

With these intelligent enhancements, the SES delivers a safer, more innovative, and more efficient operation in any work environment.



SES15-25 SPEC SHEET

1		Manufacturer	CLARK	CLARK	CLARK	CLARK
2	Model	SES15	SES17	SES20	SES25	CLARK
3	Drive Unit	Elec - 3kW / 4kW	Elec - 3kW / 4kW	Elec - 3kW / 4kW	Elec - 3kW / 4kW	SES25
4	Operator type	Stand Up	Stand Up	Stand Up	Stand Up	Stand Up
5	Battery Compartment - Standard	Length in (mm)	13.82 (353)	18.38 (467)	20.82 (530)	20.82 (530)
6	Width	in (mm)	38.8 (985)	38.8 (985)	38.8 (985)	38.8 (985)
7	Height	in (mm)	31.0 (787)	31.0 (787)	31.0 (787)	31.0 (787)
8	Maximum Ampere-hour Capacity @ Hour Rating	4Ah/5V	625 (58V / 48V)	875 (58V / 48V)	1120 (58V / 48V)	1120 (58V / 48V)
9	Battery Capacity	lbs (kg)	1580 (721)	2178 (897)	2460 (1118)	2460 (1118)
10	Load Capacity / rated load	lbs (kg)	3000 (1360)	4000 (1814)	5000 (2268)	5000 (2268)
11	Load Center distance, Fork Face to Load CG	in (mm)	24 (609)	24 (609)	24 (609)	24 (609)
12	Center of Drive Axle to Fork Face	in (mm)	14.4 (366)	14.4 (366)	14.4 (366)	14.4 (366)
13	Wheelbase	in (mm)	48.4 (1234)	48.4 (1234)	51.9 (1317)	51.9 (1317)
14	Service weight incl. battery (see line 7)	lbs (kg)	8288 (3760)	9043 (4102)	9848 (4467)	10260 (4654)
15	Axle loading, laden front / rear	lbs (kg)	10117 (4589)	11152 (5048)	12125 (5500)	13885 (6298)
16	Axle loading, unladen front / rear	lbs (kg)	4653 (2085)	4902 (2224)	5016 (2275)	5186 (2352)
17	Tire type, Pneumatic, Solid, Cushion		C	C	C	C
18	Tire size, front		18 x 7 x 12, 12	18 x 8 x 12, 12	18 x 8 x 12, 12	18 x 9 x 12, 12
19	Tire size, rear		9 x 5	9 x 5	9 x 5	9 x 5
20	Wheels, number front/rear (active wheels)		2X / 2	2X / 2	2X / 2	2X / 2
21	Tread, front	in (mm)	33.8 (853)	33.8 (853)	34.6 (878)	34.6 (878)
22	Thrust up/downlock carriage (back / forward)	deg.	6° / 5°	6° / 5°	6° / 5°	6° / 5°
23	Height, up/downlock 1,2	in (mm)	82.3 (2108)	82.9 (2108)	82.9 (2108)	82.9 (2108)
24	Fuel/1.2	in (mm)	59.0 (1499)	59.0 (1499)	59.0 (1499)	59.0 (1499)
25	Height up/down extended 1,2	in (mm)	188.0 (4775)	188.0 (4775)	188.0 (4775)	188.0 (4775)
26	Height overhaquead (CHQ)	in (mm)	205.9 (5194)	205.9 (5194)	205.9 (5194)	205.9 (5194)
27	Height floor to battery bottom	in (mm)	80.8 (2050)	80.8 (2050)	80.8 (2050)	80.8 (2050)
28	Step height floor to top of step	in (mm)	7.2 (184)	7.2 (184)	7.2 (184)	7.2 (184)
29	Fork dimensions	in (mm)	8.5 (216)	8.5 (216)	8.5 (216)	8.5 (216)
30	Fork carriage class	in (mm)	1.5 (38) x 4.0 (102) x 4.2 (1067)	1.5 (38) x 4.0 (102) x 4.2 (1067)	1.5 (38) x 4.0 (102) x 4.2 (1067)	1.5 (38) x 4.0 (102) x 4.2 (1067)
31	Fork carriage width	in (mm)	37 (940)	37 (940)	37 (940)	37 (940)
32	Ground clearance At Center of Wheelbase, Loaded	in (mm)	2.0 (51)	2.0 (51)	2.0 (51)	2.0 (51)
33	Grade clearance	%	4.1 (103)	4.1 (103)	4.1 (103)	4.1 (103)
34	Turning radius	in (mm)	39	35	33	33
35	Width (Drive Tire)	in (mm)	53.8 (1366)	54.1 (1477)	54.1 (1477)	54.1 (1477)
36	Width (Across Frame)	in (mm)	41.5 (1055)	41.5 (1055)	41.5 (1055)	41.5 (1055)
37	Length to base of forks	in (mm)	46.4 (1167)	46.4 (1167)	46.4 (1167)	46.4 (1167)
38	Right Angle Stack	in (mm)	127 (3206)	132 (3353)	132 (3353)	134 (3404)
39	With 40" (1016) (W) x 48" (1219) (L) pallet and "r" clearance	in (mm)	128 (3251)	132 (3353)	132 (3353)	134 (3404)
40	With 42" (1067) (W) x 48" (1219) (L) pallet and "r" clearance	in (mm)	131 (3327)	132 (3353)	132 (3353)	134 (3404)
41	With 48" (1219) (W) x 48" (1219) (L) pallet and "r" clearance	in (mm)	132 (3353)	132 (3353)	132 (3353)	134 (3404)

PERFORMANCE		Model	SES16	SES17	SES19	SES20	SES25
39	Travel speed loaded / unloaded	mph (km/h)	7.3 (11.7)	7.3 (11.7)	7.3 (11.7)	7.3 (11.7)	7.3 (11.7)
40	Lift speed loaded / unloaded	ft/min (m/s)	78 (0.40)	116 (0.59)	68.9 (0.35)	116.1 (0.59)	116.2 (0.59)
41	Lowering speed loaded / unloaded	ft/min (m/s)	100.4 (0.51)	92.5 (0.47)	100.4 (0.51)	92.5 (0.47)	92.5 (0.47)
42	Max. drawbar pull loaded / unloaded	lbf (N)	3795 (16881)	3811 (16956)	219 (9746)	3815 (16961)	3819 (16967)
43	Max. gradeability loaded / unloaded	%	15	15	15	15	15
44	Service brake		Electric	Electric	Electric	Electric	Electric
45	Drive motor rating (S2 60min) 48V	kW	6.5	6.5	6.5	6.5	6.5
46	Drive motor rating (S2 60min) 36V	kW	6	6	6	6	6
47	Lift motor rating (S2 15%) 48V	kW	13.1	13.1	13.1	13.1	13.1
48	Lift motor rating (S2 15%) 36V	kW	16.8	16.8	16.8	16.8	16.8
49	Diameter of hydraulic motor	in (mm)	7.8 (200)	7.8 (200)	7.8 (200)	7.8 (200)	7.8 (200)
50	Diameter of hydraulic motor	in (mm)	7.8 (200)	7.8 (200)	7.8 (200)	7.8 (200)	7.8 (200)
51	Drive motor control		AC / Inverter	AC / Inverter	AC / Inverter	AC / Inverter	AC / Inverter
52	Steer Motor Control		AC / Inverter	AC / Inverter	AC / Inverter	AC / Inverter	AC / Inverter
53	Operating pressure for attachments	psi (kg/cm²)	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
54	Oil volume for attachments	gpm (l/min)	9.0 (34.1)	9.0 (34.1)	9.0 (34.1)	9.0 (34.1)	9.0 (34.1)
55	Sound level, driver's ear according to DIN 12653	dBA	70.0	70.0	70.0	70.0	70.0
56	Sound level, driver's ear according to DIN 12653	dBA	70.0	70.0	70.0	70.0	70.0

UPRIGHT TABLE SES15-25

Maximum Fork Height		Overall Height Lowered		Overall Height Raised		Free Lift*		Standard Lift Speed	
in	mm	in	mm	in	mm	in	mm	ft / s	ft / s
188	4775	83.0	2108	236	5994	59.0	1499	5 / 6	5 / 6
199	5065	89.0	2261	247	6274	66.0	1651	5 / 6	5 / 6
214	5436	95.0	2413	262	6655	69.0	1727	5 / 6	5 / 6
226	5740	99.0	2515	274	6960	75.0	1945	5 / 6	5 / 6
SES15/17/20/25 Type 5 Stage									
240.5	6109	83.0	2108	289	7328	57.0	1448	3 / 6	3 / 6
258.5	6566	89.0	2261	307	7785	63.0	1600	3 / 6	3 / 6
276.5	7023	95.0	2413	325	8342	71.0	1803	3 / 6	3 / 6

* Indicates preferred standard sizes. For overall height raised with load, backrest.

** All freight dimensions shown without standard 48 in. (1200mm) high load backrest.

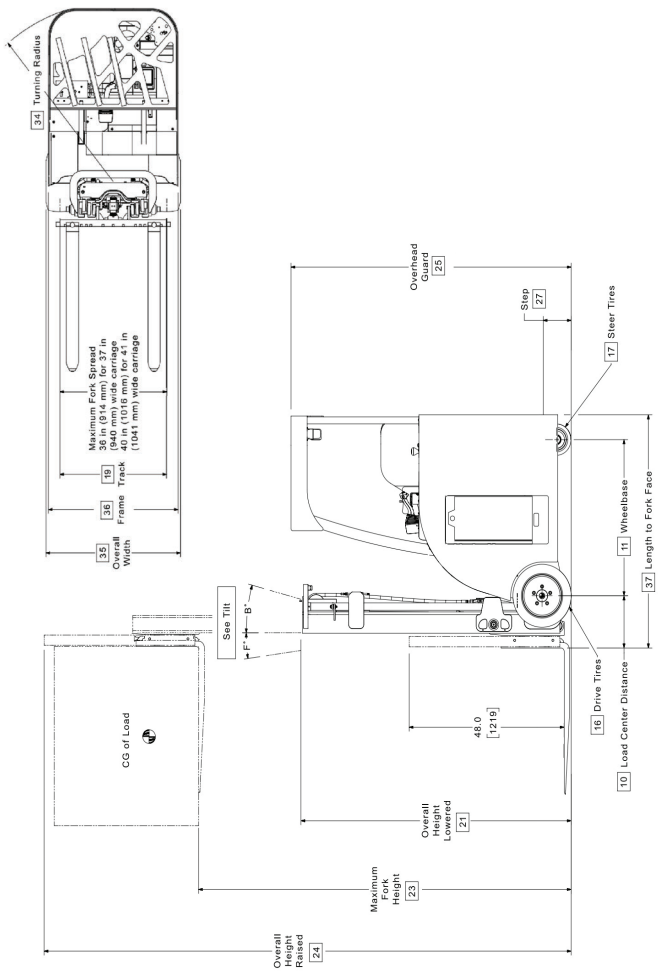
† Standard lift shown. Contact CLARK representative for information on optional lift.

BATTERY COMPARTMENT DIMENSIONS

Width (W)		Length (L)		Height (H)	
in	mm	in	mm	in	mm
38.8	986	13.86	353	31.0	787
38.8	986	13.38	467	31.0	787
38.8	986	16.38	467	31.0	787
38.8	986	16.38	467	31.0	787
38.8	986	20.88	530	31.0	787
38.8	986	20.88	530	31.0	787
38.8	986	20.88	530	31.0	787



DIMENSIONS



ABOUT CLARK

With over one million CLARK lift trucks sold around the world, each is a testament to the CLARK time-tested process of designing durable trucks with precise features that meet or exceed the material handling needs of our customers. Our full range of highly dependable products – from pallet jacks and electric narrow aisle order pickers to our 18,000lb capacity lift trucks - assure end-users that CLARK has the solutions for their day-to-day demands.

These customer-focused solutions are built from numerous industry innovations – from the nested I-Beam to a self-activating parking brake to new on-board diagnostics – and these all began the same way: with customers' needs foremost in mind. By focusing on how we can improve our customers' material handling processes, and combining that with award-winning dealers and parts support, Clark provides assure our customers a lift truck designed to be the right solution for their individual requirements.

To Find Your Nearest Authorized **CLARK Dealer**, Visit Our Website
www.clarkmhc.com

CLARK MATERIAL HANDLING COMPANY
Global Headquarters
101 Lakeside Parkway • Flower Mound, TX 75028
1-859-422-6400 • **www.clarkmhc.com**

