

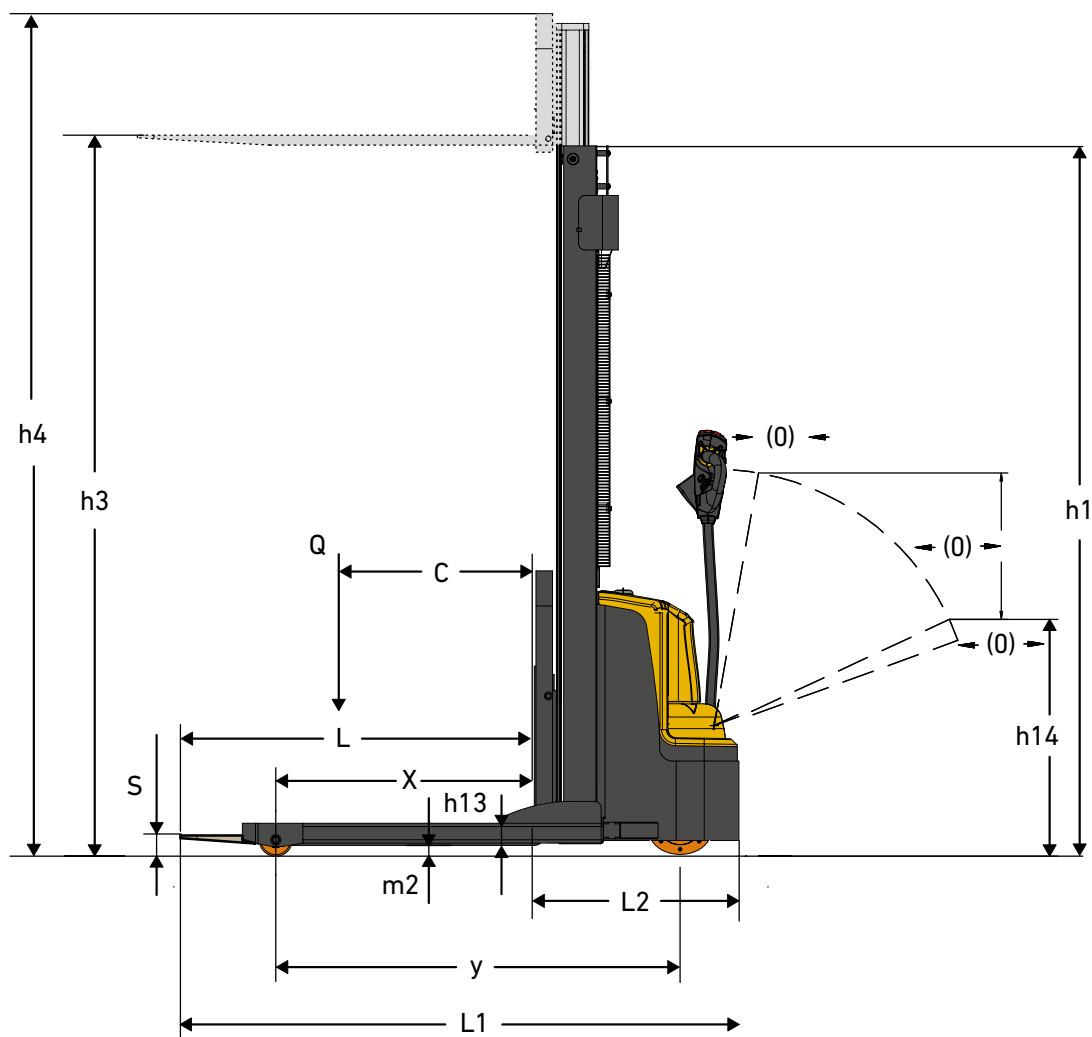


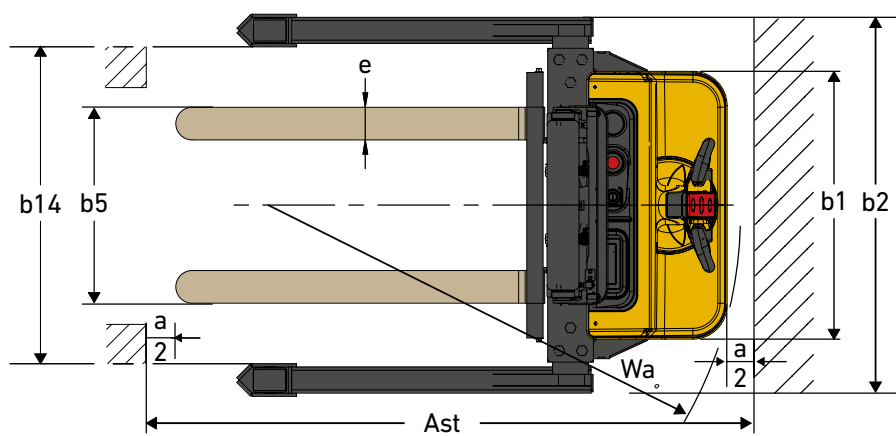
MSC15 SL

SPEC SHEET

Pedestrian straddle leg stacker

1,500 kg





VDI 2198 – GENERAL SPECIFICATIONS – MSC15 SL

GENERAL	1-1	Manufacturer			Yale				
	1-2	Model designation			MSC15 SL				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG	—	—	Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker	—	—	Pedestrian				
	1-5	Load capacity/rated load	Q	kg	1500				
	1-6	Load centre distance	c	mm	600				
	1-7	Load distance, centre of drive axle to fork	x	mm	767.5				
	1-8	Wheelbase	y	mm	1218				
WEIGHT	2-1	Service weight (without battery)	—	kg	581.6	604.6	634.6	666.6	702.6
	2-2	Service weight (with 60Ah lithium-ion battery)	—	kg	598.6	621.6	651.6	683.6	719.6
	2-3	Service weight (with 100Ah lithium-ion battery)	—	kg	605.6	628.6	658.6	690.6	726.6
	2-4	Service weight (with battery 71Ah)	—	kg	628	651	681	713	749
	2-5	Service weight (with battery 89Ah)	—	kg	633.2	656.2	686.2	718.2	754.2
	2-6	Axle loading, laden front/rear (2.5m lifting height)	—	kg	636.6 / 1485				
	2-7	Axle loading, unladen front/rear (2.5m lifting height)	—	kg	466 / 155.6				
TYRES	3-1	Wheels	—	—	Polyurethane				
	3-2	Wheel size, front	Ø × width	mm	φ210 × 70				
	3-3	Wheel size, rear	Ø × width	mm	φ100 × 64				
	3-4	Wheels, number front/rear (x = driven wheels)	—	—	1x + 0 / 2 or 1x +2 / 4 (with balance wheel)				
	3-5	Tread, front	b ₁₀	mm	665.5 (Equipped with balance wheel)				
	3-6	Tread, rear	b ₁₀	mm	41.73" (1060) / 47.24" (1200) / 52.76" (1340)				
DIMENSIONS	4-1	Lowered mast height	h ₁	mm	1520	1770	2020	2170	2270
	4-2	Lift height	h ₃	mm	2000	2500	3000	3300	3500
	4-3	Extended mast height	h ₄	mm	2520	3020	3520	3820	4020
	4-4	Height of tiller in driving position, min./max.	h ₁₃	mm	910 / 1290				
	4-5	Height, lowered	h ₁₄	mm	80				
	4-6	Overall length	l ₁	mm	1698 (Standard 1070mm fork length)				
	4-7	Length to face of forks	l ₂	mm	628				
	4-8	Overall width across chassis	b ₁	mm	820				
	4-9	Overall width across all/outer width straddle	b ₂	mm	1150 / 1290 / 1430				
	4-10	Inner width straddle	b ₁₄	mm	970 / 1110 / 1250				
	4-11	Fork dimensions	s/e/l	mm	40 × 100 × 1070 (1150 / 1220)				
	4-12	Width over forks	b ₅	mm	200–795 (Adjustable)				
	4-13	Ground clearance, centre of wheelbase	m ₂	mm	40				
	4-14	Aisle width for pallets 1000 × 1200 crossways	A _{st}	mm	2290				
	4-15	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	2217				
	4-16	Turning radius	W _a	mm	1455				
PERFORMANCE	5-1	Travel speed, with/without load	—	km/h	4 / 4.5				
	5-2	Lift speed laden/without load	—	mm/s	0–185				
	5-3	Lift speed laden/with load	—	mm/s	0–101				
	5-4	Lowering speed laden/without load	—	mm/s	21.7–208				
	5-5	Lowering speed laden/with load	—	mm/s	25.6–137				
	5-6	Max. gradeability, with/without load	—	%	5/10				
	5-7	Service brake	—		Electromagnetic				
ELECTRIC	6-1	Drive motor rating S2 60 min	—	kW	0.75				
	6-2	Lift motor rating at S3 15%	—	kW	2.5				
	6-3	Battery voltage/nominal capacity K5 (lithium-ion battery)	—	V/Ah	24V / 60Ah × 1 / 24V / 100Ah × 1				
	6-4	Battery voltage/nominal capacity K5 (lead-acid battery)	—	V/Ah	12V / 71Ah × 2 / 12V / 89Ah × 2				
	6-5	Battery weight +/- 5% (lithium-ion battery)	—	kg	14kg (60Ah) / 24kg (100Ah)				
	6-6	Battery weight +/- 5% (lead-acid battery)	—	kg	23.3 × 2 (71Ah) / 25.8 × 2 (89Ah)				
	6-7	Energy consumption according to EN 16796	—	kWh	0.42				
	7-1	Type of drive control	—		DC speed control				
	7-2	Sound level at the driver's ear according to EN 12053	—	dB (A)	<75				

Truck performance and dimensions are nominal and subject to tolerances.
Yale products and specifications are subject to change without notice.

VDI 2198 – GENERAL SPECIFICATIONS – MSC15 SL (75×75MM)

GENERAL	1-1	Manufacturer			Yale				
	1-2	Model designation			MSC15 SL (75 × 75mm)				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG	—	—	Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker	—	—	Pedestrian				
	1-5	Load capacity/rated load	Q	kg	1500				
	1-6	Load centre distance	c	mm	600				
	1-7	Load distance, centre of drive axle to fork	x	mm	715				
	1-8	Wheelbase	y	mm	1218				
WEIGHT	2-1	Service weight (without battery)	—	kg	581.6	604.6	634.6	666.6	702.6
	2-2	Service weight (with 60Ah lithium-ion battery)	—	kg	598.6	621.6	651.6	683.6	719.6
	2-3	Service weight (with 100Ah lithium-ion battery)	—	kg	605.6	628.6	658.6	690.6	726.6
	2-4	Service weight (with battery 71Ah)	—	kg	628	651	681	713	749
	2-5	Service weight (with battery 89Ah)	—	kg	633.2	656.2	686.2	718.2	754.2
	2-6	Axle loading, laden front/rear (2.5m lifting height)	—	kg	636.6 / 1485				
	2-7	Axle loading, unladen front/rear (2.5m lifting height)	—	kg	466 / 155.6				
TYRES	3-1	Wheels	—	—	Polyurethane				
	3-2	Wheel size, front	Ø × width	mm	φ210 × 70				
	3-3	Wheel size, rear	Ø × width	mm	φ100 × 49				
	3-4	Wheels, number front/rear (x = driven wheels)	—	—	1x + 0 / 2 or 1x +2 / 4 (with balance wheel)				
	3-5	Tread, front	b ₁₀	mm	665.5 (Equipped with balance wheel)				
	3-6	Tread, rear	b ₁₀	mm	41.73" (1060) / 47.24" (1200) / 52.76" (1340)				
DIMENSIONS	4-1	Lowered mast height	h ₁	mm	1520	1770	2020	2170	2270
	4-2	Lift height	h ₃	mm	2000	2500	3000	3300	3500
	4-3	Extended mast height	h ₄	mm	2520	3020	3520	3820	4020
	4-4	Height of tiller in driving position, min./max.	h ₁₃	mm	910 / 1290				
	4-5	Height, lowered	h ₁₄	mm	80				
	4-6	Overall length	l ₁	mm	1698 (Standard 1070mm fork length)				
	4-7	Length to face of forks	l ₂	mm	628				
	4-8	Overall width across chassis	b ₁	mm	820				
	4-9	Overall width across all/outer width straddle	b ₂	mm	1135 / 1275 / 1415				
	4-10	Inner width straddle	b ₁₄	mm	985 / 1125 / 1265				
	4-11	Fork dimensions	s/e/l	mm	40 × 100 × 1070 (1150 / 1220)				
	4-12	Width over forks	b ₅	mm	200–795 (Adjustable)				
	4-13	Ground clearance, centre of wheelbase	m ₂	mm	40				
	4-14	Aisle width for pallets 1000 × 1200 crossways	A _{st}	mm	2290				
	4-15	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	2217				
	4-16	Turning radius	W _a	mm	1455				
PERFORMANCE	5-1	Travel speed, with/without load	—	km/h	4 / 4.5				
	5-2	Lift speed laden/without load	—	mm/s	0–185				
	5-3	Lift speed laden/with load	—	mm/s	0–101				
	5-4	Lowering speed laden/without load	—	mm/s	21.7–208				
	5-5	Lowering speed laden/with load	—	mm/s	25.6–137				
	5-6	Max. gradeability, with/without load	—	%	5/10				
	5-7	Service brake	—		Electromagnetic				
ELECTRIC	6-1	Drive motor rating S2 60 min	—	kW	0.75				
	6-2	Lift motor rating at S3 15%	—	kW	2.5				
	6-3	Battery voltage/nominal capacity K5 (lithium-ion battery)	—	V/Ah	24V / 60Ah × 1 / 24V / 100Ah × 1				
	6-4	Battery voltage/nominal capacity K5 (lead-acid battery)	—	V/Ah	12V / 71Ah × 2 / 12V / 89Ah × 2				
	6-5	Battery weight +/- 5% (lithium-ion battery)	—	kg	14kg (60Ah) / 24kg (100Ah)				
	6-6	Battery weight +/- 5% (lead-acid battery)	—	kg	23.3 × 2 (71Ah) / 25.8 × 2 (89Ah)				
	6-7	Energy consumption according to EN 16796	—	kWh	0.42				
	7-1	Type of drive control	—		DC speed control				
	7-2	Sound level at the driver's ear according to EN 12053	—	dB (A)	<75				

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FEATURES LIST

PERFORMANCE	STD	OPT
24V system with brush motor	●	
Mechanical steering	●	
Proportional speed on lifting/lowering	●	
Std environmental construction (0~45°C;)	●	
DRIVE	STD	OPT
φ100 × 64mm single polyurethane load wheel (REACH)	●	
φ100 × 49mm single polyurethane load wheel (REACH) for straddle leg size 75×75mm		●
φ210 × 75mm Polyurethane (REACH) drive wheel	●	
φ75 × 30mm double balance wheel		●
LIFT	STD	OPT
2 stage no free lift – 1770mm/2500mm/3020mm	●	
2 stage no free lift – 1520mm/2000mm/2520mm		●
2 stage no free lift – 2020mm/3000mm/3520mm		●
2 stage no free lift – 2170mm/3300mm/3820mm		●
2 stage no free lift – 2270mm/3500mm/4020mm		●
HANDLING	STD	OPT
1070mm × 200–800mm forks	●	
1150mm × 200–800mm forks		●
H60 × W90mm straddle leg	●	
H75 × W75mm straddle leg		●
OPERATION	STD	OPT
Key switch	●	
Keypad with password protection Non-CE		●
Remote key: function for remote control lift/lower; 5 traveling speed setting, Horn; (non-CE, Non-UL)		●
MDI display – multi-function LCD screen display show working statues, hourmeter, BDI, error code	●	
Right side proportional control knob	●	
Two side proportional control knob		●

VISIBILITY	STD	OPT
Metal wiremesh	●	
Lexan shield		●
ENERGY SYSTEM	STD	OPT
24V/60Ah lithium battery (UL)	●	
24V/71Ah maintenace free lead-acid battery (CE & UL)		●
24V/89Ah maintenace free lead-acid battery (CE & UL)		●
24V/100Ah lithium battery (UL)		●
On-board charger 24V/10A 100~240V TL POWER (For lead-acid battery) Non-CE		●
On-board charger 24V/15A 100~240V UL (For lead-acid battery)		●
On-board charger 24V/30A 100~240V UL (For Li-ion Battery)		●
On-board charger plug (Indian Std) type D	●	
On-board charger plug (Chinese Std) type I		●
On-board charger plug (Australian Std) type I		●
On-board charger plug (European Std) type F		●
On-board charger plug (British Std) type G		●
On-board charger plug (Japanese Std) type A		●
SUPPLEMENTAL	STD	OPT
Operating manual	●	
Parts manual		●

About Yale®



Yale Lift Truck Technologies is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 1 to 16 tonne and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

MATERIALS HANDLING FOR:

3PL

Auto Parts Distribution

Beverage

Cold & Frozen Foods

Food Distribution

Food Processing

Furniture & Furnishings

Government

Health & Pharma

Home Centers

Retail & E-commerce

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