



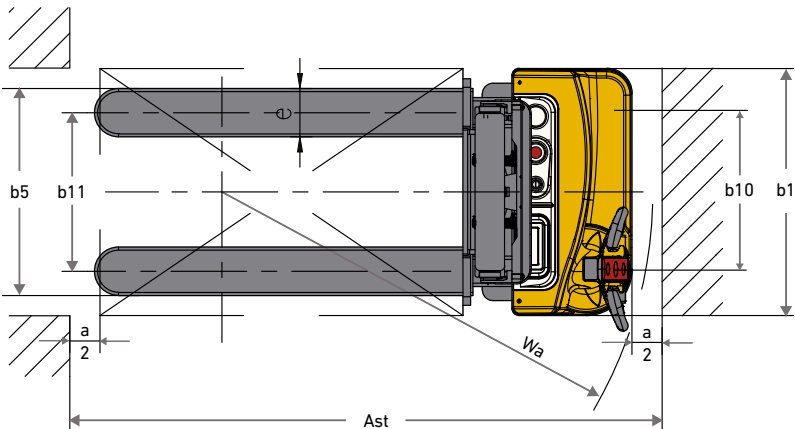
# MSC12

SPEC SHEET

Compact Pedestrian High Lift  
Stacker

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1,200 kg



## VDI 2198 – GENERAL SPECIFICATIONS – MSC12

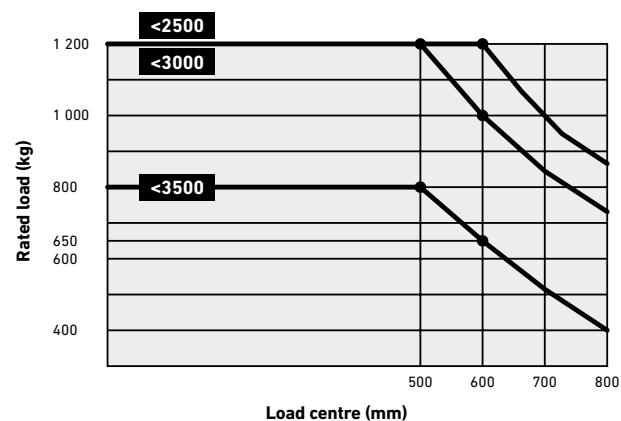
GENERAL	1-1	Manufacturer		Yale		
	1-2	Model designation		MSC12		
	1-3	Drive		Electric		
	1-4	Operator type		Pedestrian		
	1-5	Load capacity/rated load	Q (kg)	1200		
	1-6	Load centre distance	c (mm)	600		
	1-8	Load distance, centre of drive axle to fork	x (mm)	800		
	1-9	Wheelbase	y (mm)	1210		
WEIGHT	2-1	Service weight (without battery) (560/680)	kg	540.4 / 513.4	567.4 / 534.4	586.4 / 557.4
	2-1-1	Service weight (with 60Ah Li-battery) (560/680)	kg	554.4 / 527.4	581.1 / 548.4	600.4 / 571.4
	2-2	Axle loading, laden front/rear (2.5m) (560 fork & 60Ah Li-battery)	kg	526.4 / 1228		
	2-3	Axle loading, unladen front/rear (2.5m) (560 fork & 60Ah Li-battery)	kg	416 / 138.4		
TYRES	3-1	Wheels		Polyurethane		
	3-2	Wheel size, front	Ø × width (mm)	210 × 70		
	3-3	Wheel size, rear	Ø × width (mm)	80 × 70		
	3-4	Additional wheels (dimensions)	Ø × width (mm)	115 × 55		
	3-5	Wheels, number front/rear (x = driven wheels)		1 x + 1 / 4		
	3-6	Tread, front	b <sub>10</sub> (mm)	550		
	3-7	Tread, rear	b <sub>11</sub> (mm)	390 (560 fork width) / 525 (680 fork width)		
DIMENSIONS	4-2	Lowered mast height	h <sub>1</sub> (mm)	1730	1980	2230
	4-4	Lift height	h <sub>3</sub> (mm)	2500	3000	3500
	4-5	Extended mast height	h <sub>4</sub> (mm)	2935	3435	3935
	4-9	Height of tiller in driving position, min./max.	h <sub>14</sub> (mm)	910 / 1270		
	4-15	Height, lowered	h <sub>13</sub> (mm)	85±2		
	4-19	Overall length	l <sub>1</sub> (mm)	1730 (1150 fork length) / 1800 (1220 fork length)		
	4-20	Length to face of forks	l <sub>2</sub> (mm)	580		
	4-21-1	Overall width across chassis	b <sub>1</sub> (mm)	820		
	4-22	Fork dimensions	s/e/l (mm)	70 × 160 × 1150 (1220)		
	4-25	Width over forks	b <sub>5</sub> (mm)	560 / 680		
	4-32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	30		
	4-34-1	Aisle width for pallets 1000 × 1200 crossways	A <sub>st</sub> (mm)	2268		
	4.34-2	Aisle width for pallets 800 × 1200 lengthways	A <sub>st</sub> (mm)	2194		
PERFORMANCE	4-35	Turning radius	W <sub>a</sub> (mm)	1425		
	5-1	Travel speed, with/without load	km/h	4 / 4.5		
	5-2	Lift speed laden / unladen	mm/s	102 / 190		
	5-3	Lowering speed laden / unladen	mm/s	30-135 / 20-200		
	5-8	Max. gradeability, with/without load	%	5 / 10		
ELECTRIC	5-10	Service brake		Electromagnetic		
	6-1	Drive motor rating S2 60 min	kW	0.75		
	6-2	Lift motor rating at S3 15%	kW	2.5		
	6-4	Battery voltage/nominal capacity K5	V/Ah	24V / 60Ah Li-battery × 1		
	6-5	Battery weight +/- 5%	kg	14 (60Ah Li-battery)		
	6-6	Energy consumption according to EN 16796	kWh	0.42		
	8-1	Type of drive control		DC speed control		
	8-4	Sound level at the driver's ear according to EN 12053	dB (A)	<75		

## MAST DIMENSIONS – MSC12

HEIGHT, MAST LOWERED	LIFT HEIGHT	EXTENDED MAST HEIGHT
h <sub>1</sub> (mm)	h <sub>3</sub> (mm)	h <sub>4</sub> (mm)
2-STAGE NFL MAST		
1730	2500	2935
1980	3000	3435
2230	3500	3935

All values are nominal values and they are subject to tolerances.

## RATED CAPACITIES – MSC12



# About Yale®



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

Yale Lift Truck Technologies is a trading name of Hyster-Yale Asia-Pacific Pty Ltd., a wholly owned subsidiary of Hyster-Yale Materials Handling, Inc.(NYSE:HY) which is headquartered in Cleveland, Ohio and operates globally.

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3PL

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
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