



# UX Series

**MSL15XUX / 1500kg**

Electric Rider Straddle Stacker

# MSL15XUX features.

The Yale® MSL15XUX electric rider straddle stacker combines both features and reliable performance. This low-maintenance truck can help increase productivity and reduce operational costs.

## Productivity

- Maintenance free AC motors
- Multi-function display with BDI and hour meter
- Handle equipped with emergency reversing device
- Auto deceleration function
- Low speed switch
- Variable speed control
- Sideways battery removal with rollers
- Mast cushioning for low-noise operation
- Built-in pressure relief valve helps protect the truck from overloading
- Emergency power disconnect switch
- 240Ah traction battery
- Cold storage configuration (option)

## Optimum structural design

- Low center of gravity enhances stability
- Full free lift mast options for low overhead clearance
- Durable plastic covers
- Adjustable balance caster wheel helps improve stability

## Serviceability

- Low voltage protection setting helps extend the battery life
- CANbus technology
- Simple electronic components makes troubleshooting and servicing more efficient
- Hall effect sensors reduce wear and help increase component life



Handle (Std.) left and right handed



Straddle legs are adjustable



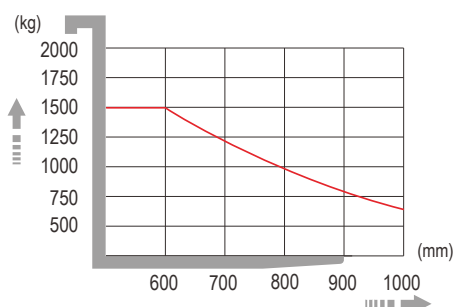
One sided (cold store)



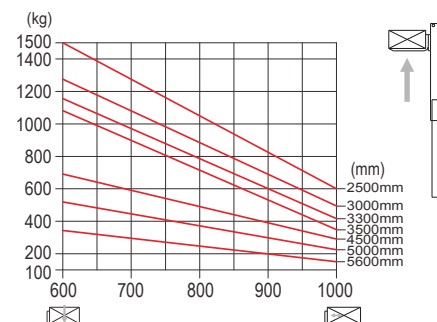
Two sided (cold store)

## Load charts

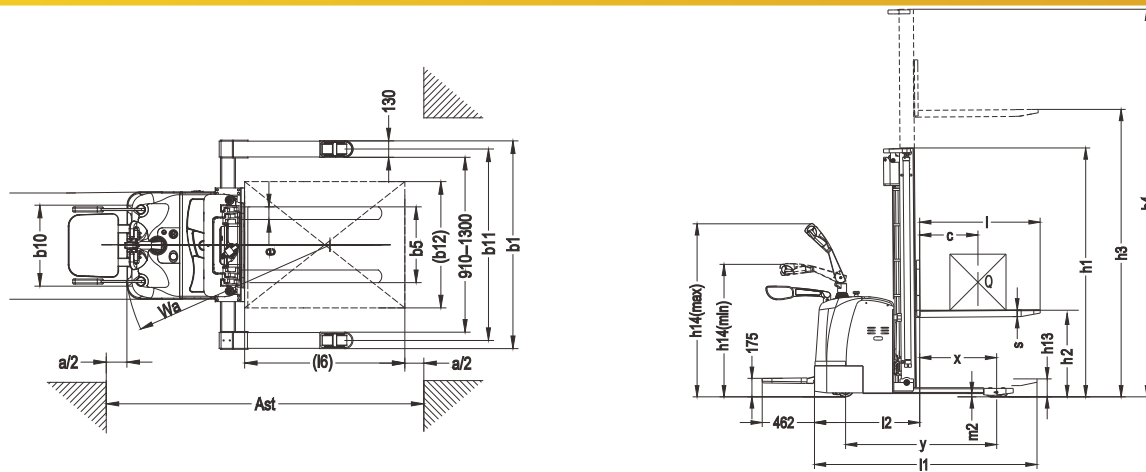
Load center chart



Load capacity chart



## Truck Dimensions



## General Specifications MSL15XUX

Model	Measurement	MSL15XUX						
Load capacity	Q (kg)	1500						
Load center distance	c (mm)	600						
Load distance, center of drive axle to fork	x (mm)	697						
Fork height, lowered	h13 (mm)	70						
Wheelbase	y (mm)	1420						
Axle loading, laden front/rear	kg	1440/1280						
Axle loading, unladen front/rear	kg	870/350						
Tires		polyurethane						
Tire size, front	mm	$\phi 250 \times 70$						
Tire size, rear	mm	$\phi 80 \times 84$						
Additional wheels (dimensions)	mm	$\phi 150 \times 60$						
Wheels, number front rear (x=driven wheels)		1x+1/4						
Tread, front	b10 (mm)	520						
Tread, rear	b11 (mm)	1040-1430						
Mast height, lowered	h1 (mm)	1805	2055	2205	2305	2120	2280	2480
Free lift	h2 (mm)	0	0	0	0	1570	1740	1940
Max. lift height	h3 (mm)	2500	3000	3300	3500	4500	5000	5600
Mast height, extended	h4 (mm)	3025	3525	3825	4025	5080	5560	6160
Height of tiller in drive position min./max.	h14 (mm)	1150/1450						
Overall length	l1 (mm)	2020						
Length to face of forks	l2 (mm)	962						
Overall width	b1 (mm)	1170-1560						
Fork dimensions	s/e/l (mm)	40/100/1070 (1150)						
Width overall forks	b5 (mm)	200-800						
Ground clearance, center of wheelbase	m2 (mm)	35						
Aisle width for pallets 1000x1200 crossways	Ast (mm)	2560						
Aisle width for pallets 800x1200 lengthways	Ast (mm)	2545						
Turning radius	Wa (mm)	1695						
Drive motor power	kW	1.2						
Lift motor power	kW	3.0						
Travel speed, laden/unladen	km/h	6.5/6.7						
Lift speed, laden/unladen	m/s	0.11/0.15						
Lowering speed, laden/unladen	m/s	0.12/0.12						
Max. gradeability, laden/unladen	%	8/15						
Service brake		Electromagnetic						
Battery voltage, nominal capacity K5	V/Ah	24/240						
Battery weight	kg	240						
Battery dimensions l/w/h	mm	675x254x500						
Sound lever at the driver's ear acc.to DIN12503	dB (A)	70						
Service weight (without battery)	kg	1200/1225/1240/1250/1300/1320/1340						

## MSL15XUX Power plug type



A

Power Plug



F

Power Plug



G

Power Plug



I

Power Plug


For more information, or to find your nearest Yale® dealer, go to [Yale.com](http://Yale.com).



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Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale® Industrial Truck Dealer if any of the information shown is critical to your application. Specifications are subject to change without notice.

2573 LAM ENG 9/2020 Trucks may be shown with optional equipment.