

ES10-22DM

ELECTRIC STACKER 1.0T

 1000 kg
  3780 mm
  24 V Li-Ion/AGM



The ES-MM Series is designed for light-duty applications in retail, workshops, and warehouses where space optimization and simple stacking are required. With excellent maneuverability, they are perfect for moving and lifting pallets in tight storage areas, such as small shops or auxiliary warehouses. The mono mast structure not only improves visibility but also reduces total weight, making the trucks easy to handle and highly efficient for short stacking cycles.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion/AGM
Battery nominal capacity		Ah	105
Battery voltage		V	24
Load capacity	Q	kg	1000
Load centre distance	c	mm	600
Service weight		kg	676
Retracted mast height	h_1	mm	2086
Lift height	h_3	mm	2920
Height, mast extended	h_4	mm	3895
Overall length		mm	1650
Overall width	b_1/b_2	mm	1135/1235/1335/1435
Length to face of forks	l2	mm	580
Fork dimensions	s/e/l	mm	35/100/1070
Turning radius		Wa	1404
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	845

Features

Slim mono mast design

The ES-MM Series is equipped with a mono mast that reduces weight and offers operators better forward visibility. This design makes handling simpler and safer, especially in low stacking operations.



Compact and space-saving chassis

With an 800 mm chassis width and a turning radius of just 1295 mm, the ES-MM stackers are tailored for narrow aisles, retail backrooms, and tight warehouse layouts where maneuverability is crucial.

Low-maintenance energy solution

Powered by AGM batteries with a 24V/85Ah configuration and an onboard charger, the ES-MM Series ensures easy daily charging, reliable performance, and minimal maintenance. Optional Li-ion battery versions are also available.





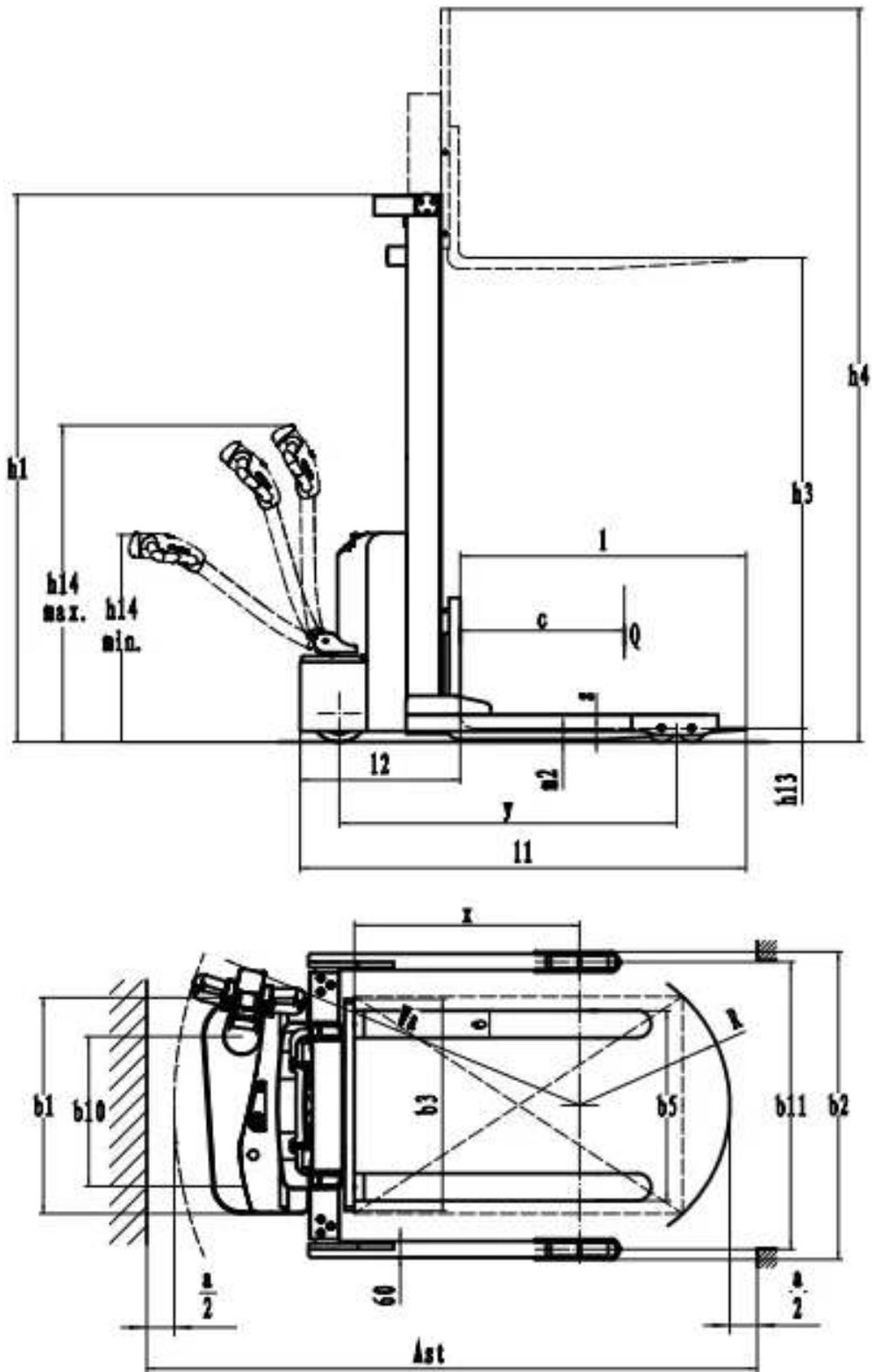
Operator safety and ease of use

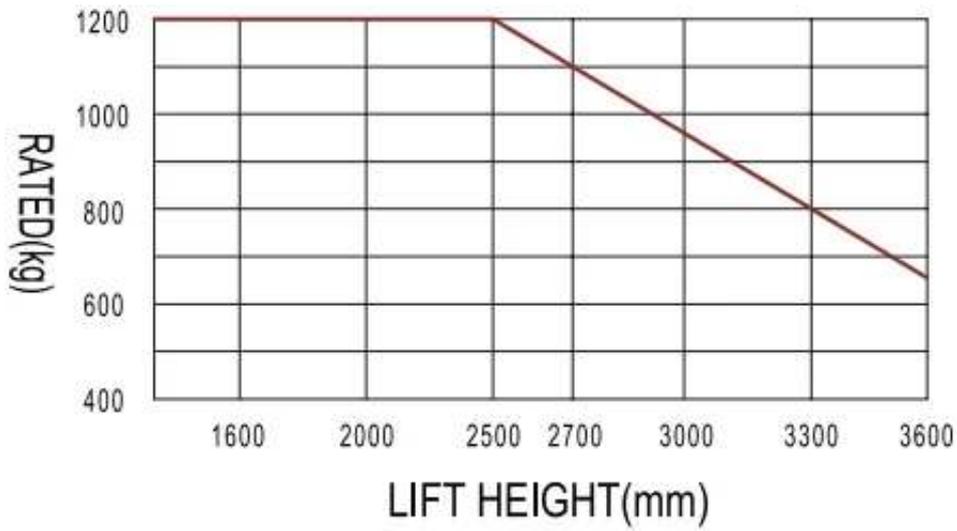
Featuring electromagnetic braking, creep speed mode, and an ergonomic tiller, the ES-MM Series provides smooth, controlled, and safe operation, even for inexperienced operators.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	845
1.9	Wheelbase		mm	1290
2.1	Service weight		kg	676
2.2	Axle loading, laden front/rear		kg	757/919
2.3	Axle loading, unladen front/rear		kg	837/1039
3.1	Tyre type			Polyurethane
3.2	Tyre size, front			Ø210×70
3.3	Tyre size, rear			Φ100x50
3.5	Additional wheels (castor wheels)			Φ100x50
3.5	Wheels, number front/rear (x=drive wheels)			1x+ 1/ 4
3.6	Tread width, front	b ₁₀	mm	533
3.7	Tread width, rear	b ₁₁	mm	1060/1160/1260/1360
4.10	Height of wheel arms		mm	100
4.15	Lowered height			60
4.19	Overall length		mm	1650
4.2	Retracted mast height	h ₁	mm	2086
4.20	Length to face of forks	l ₂	mm	580
4.21	Overall width	b ₁ /b ₂	mm	1135/1235/1335/1435
4.22	Fork dimensions	s/e/l	mm	35/100/1070
4.24	Fork carriage width		mm	800
4.25	Distance between fork-arms			200~780

SPECIFICATION		REF	UNIT	VALUE
4.26	Distance between wheel arms/loading surfaces			100
4.3	Free lift		mm	-
4.31	Ground clearance, laden, below mast		mm	30
4.32	Ground clearance, centre of wheelbase		mm	40
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2255
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2180
4.35	Turning radius		Wa	1404
4.4	Lift height	h_3	mm	2920
4.4.1	Max lift height		mm	3780
4.5	Height, mast extended	h_4	mm	3895
4.6	Initial lift		mm	-
4.9	Height of tiller handle in drive position min./max.			860/1200
5.1	Travel speed, laden/unladen		km/h	4/4.5
5.2	Lifting speed, laden/unladen		m/s	0.12/0.22
5.3	Lowering speed, laden/unladen		m/s	0.12/0.11
5.8	Max. gradeability, laden/unladen		%	3/10
6.1	Drive motor rating S2 60 min		kW	0.65
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity		Ah	105
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion/AGM
6.5	Battery weight		kg	2x25
8.1	Type of drive control			DC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the drivers ear		dB(A)	74





Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)
2-Standard Mast	2480	1836	3395	
2-Standard Mast	2680	1936	3595	
2-Standard Mast	2980	2086	3895	
2-Standard Mast	3280	2236	4195	
2-Standard Mast	3580	2386	4495	
1-stage Mast	1180	1600	1685	1035
1-stage Mast	1380	1800	1885	1235
1-stage Mast	1580	2000	2085	1435
1-stage Mast	1680	2100	2185	1535
2-Standard Mast	1980	1586	2895	
2-Standard Mast	2480	1836	3395	
2-Standard Mast	2680	1936	3595	
2-Standard Mast	2980	2086	3895	
2-Standard Mast	3280	2236	4195	
2-Standard Mast	3580	2386	4495	
2-Standard Mast	3780	2486	4695	

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	900*600, 2A, 100*40*1070 900*600, 2A, 100*40*1220 900*600, 2A, 100*40*1000 900*600, 2A, 100*40*1370
Leg width	985 1085/1185/1285
Fork carriage width option	800m (31.5in)
Load wheel type	Double
Handle head type	Hands big handle head
Load wheel material	PU
Drive wheel material	PU Trace PU
Battery capacity	105Ah 125Ah 85Ah 80Ah (Li-ion)
Charger	24V-10 Internal
Battery display indicator (BDI)	Without time With time
Rearview mirror	No Yes and not customized
Vertical handler working	No Yes and not customized
Castor wheels	Yes and not customized