



ES10-22MM

ELECTRIC STACKER 1.0T

1000 kg 1920 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	85
Battery voltage		V	24
Load capacity	Q	kg	1000
Load centre distance	c	mm	600
Service weight		kg	543
Retracted mast height	h_1	mm	1940
Lift height	h_3	mm	1510
Height, mast extended	h_4	mm	2053
Overall length		mm	1570
Overall width	b_1/b_2	mm	1135/1235/1335/1435
Length to face of forks	l2	mm	500
Fork dimensions	s/e/l	mm	35/100/1070
Turning radius		Wa	1329
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	850

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.





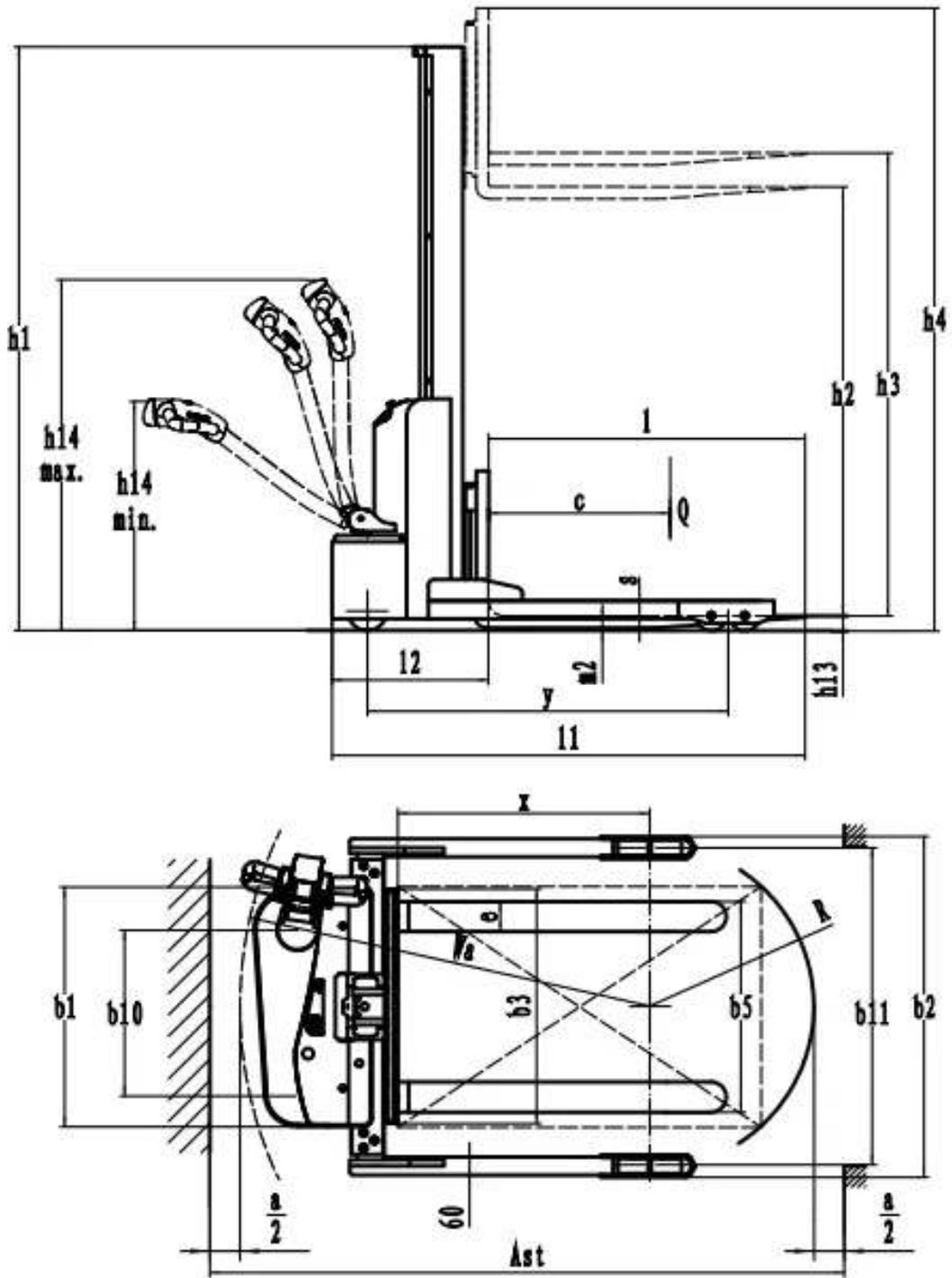
Operator safety and ease of use

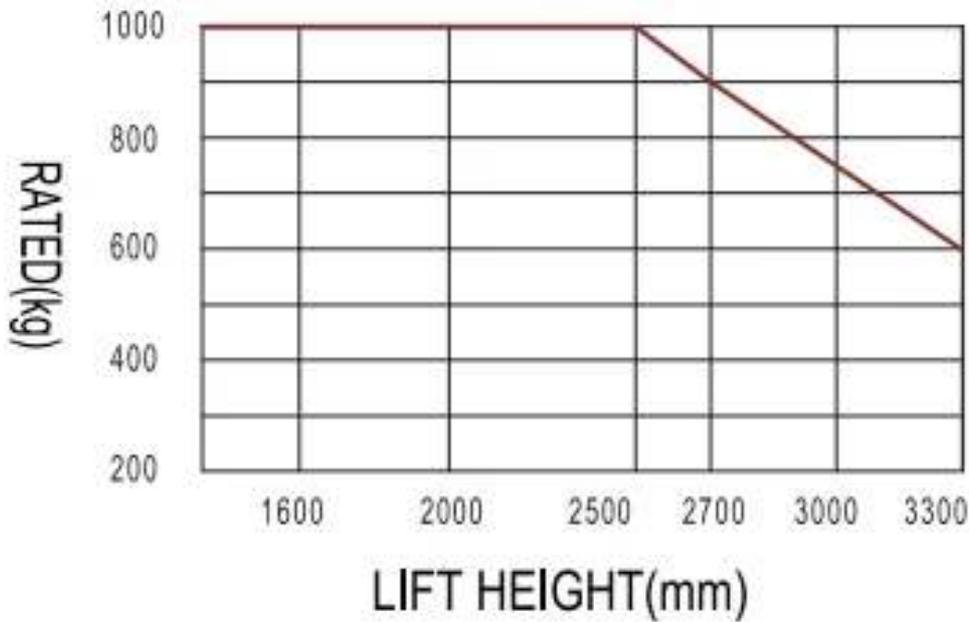
Featuring electromagnetic braking, creep speed mode, and an ergonomic tiller, the ES-MM Series provides smooth, controlled, and safe operation, even for inexperienced operators.

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	850
1.9	Wheelbase		mm	1210
2.1	Service weight		kg	543
2.2	Axle loading, laden front/rear		kg	683/860
2.3	Axle loading, unladen front/rear		kg	420/123
3.1	Tyre type			Polyurethane
3.2	Tyre size, front			Φ210x70
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	1570
4.2	Retracted mast height	h ₁	mm	1940
4.20	Length to face of forks	l ₂	mm	500
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	780
4.25	Distance between fork-arms			200~760

	SPECIFICATION	REF	UNIT	VALUE
4.26	Distance between wheel arms/loading surfaces			100
4.3	Free lift		mm	1407
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	2175
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2100
4.35	Turning radius		Wa	1329
4.4	Lift height	h_3	mm	1510
4.4.1	Max lift height		mm	1920
4.5	Height, mast extended	h_4	mm	2053
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
5.10	Service brake			E
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	85
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	1570	1940	2053	1387
2-Standard Mast	1920	2290	2403	1737

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	900*600, 2A, 100*40*1070 900*600, 2A, 100*40*1070 900*600, 2A, 100*40*1220 900*600, 2A, 100*40*1370
Leg width	985 1085/1185/1285
Fork carriage width option	800mm
Load wheel type	Double
Handle head type	Hands big handle head
Load wheel material	PU
Drive wheel material	PU Trace PU
Battery capacity	85Ah 80Ah (Li-ion)
Charger	24V-10A internal 24V-15A internal 24V-30A internal (Li-ion)
Battery display indicator (BDI)	Without time With time

ITEM	OPTIONS (optional items marked in yellow)
Rearview mirror	No Yes and not customized
Vertical handler working	No Yes and not customized
Castor wheels	Yes and not customized