



MES 12-25DM

Electric Stacker 1.0/1.2t

- Electric Stacker With Smallest Working Space Needed
- Innovative Design of Low Energy Consumption and High Reliability
- Long & Aside Tiller Design Makes Operations Safe and Convenient

MITACO EQUIPMENT CO.,LTD
www.mitaco.com.au



FEATURE

Performance

- Robust Structure;
- Highly specialized drive and hydraulic system ensure excellent driving performance and high reliability.
- Low-noise and durable hydraulic unit, high quality cylinder as well as hose ensure high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- Straddle Chassis option offers stability of high stack operation.



Safety

- Safety hydraulic design prevents mast from falling down abruptly when oil pipes cut off.
- Belly button prevents truck from hitting operator.
- By simply pressing emergency disconnect, power supply will be immediately interrupted.
- Multi lifting limited switch ensures travel safety.
- Truck automatically switches to low speed mode, when lifting height is higher than setting height.
- Anti-rolling back braking device ensures trucks don't roll back on ramps.

Operation

- Ergonomic tiller head for effortless and comfortable operations.
- Tiller with long arm for smooth steering.
- Compact chassis design offers smallest turning radius needed.
- Side operating ensures excellent visibility.
- On-board Charger.

Maintenance

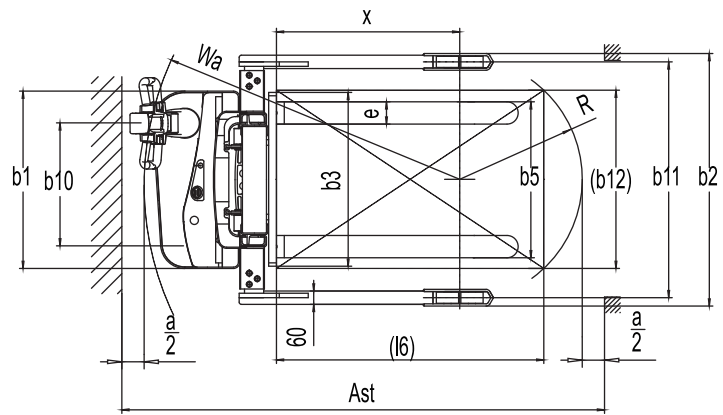
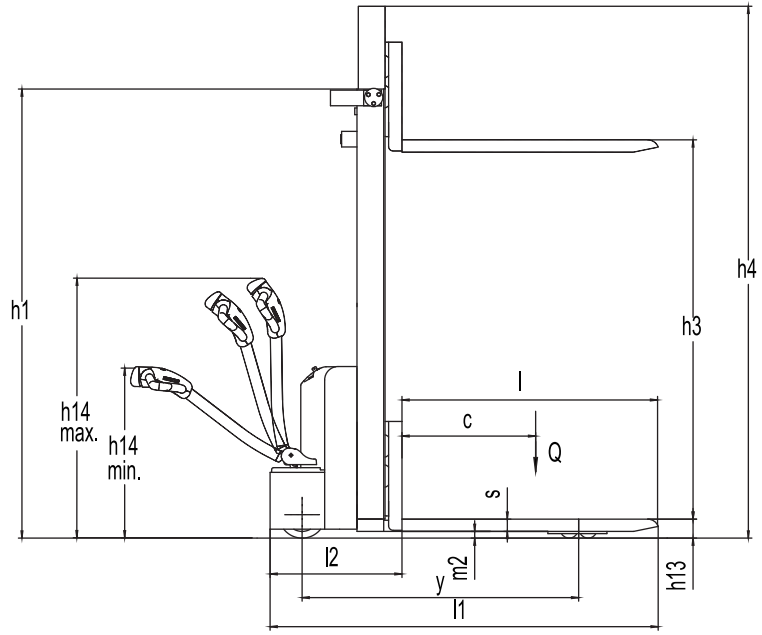
- Maintenance-free Battery.
- Battery display indicator with hour meter, reminds operator of charging on time (optional).
- Easy Maintenance — detachable rear panel.
- Self-Diagnostics signal on the digital display allows easy trouble-shooting.
- Easy Access of Hand Set.
- Low-voltage Cut-off Protection.

Electric Stacker 1.2t

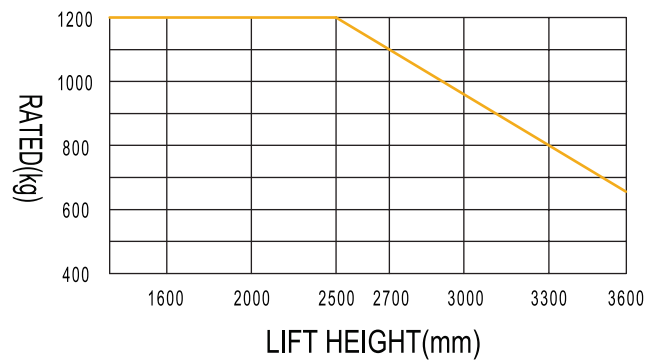
MES12-25DM

Distinguishing mark				
1.1	Manufacturer			Mitaco
1.2	Model designation			MES12-25DM
1.3	Drive unit			electrics
1.4	Operator type			pedestrian
1.5	rated capacity	Q	kg	1200
1.6	Load center distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	845
1.9	Wheelbase	y	mm	1290
Weight				
2.1	Service weight (include battery)		kg	676
2.2	Axle loading, laden driving side/loading side		kg	837/1039
2.3	Axle loading, unladen driving side/loading side		kg	549/127
Types, Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ø210×70
3.3	Tyre size, loading wheels (diameter×width)		mm	Ø100×50
3.4	Tyre size, caster wheels (diameter×width)		mm	Ø100×50
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x +1/4
3.6	Track width, front, driving side	b ₁₀	mm	533
3.7	Track width, rear, loading side	b ₁₁	mm	1060/1160/1260/1360
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	/
4.2	Height, mast lowered	h ₁	mm	2086
4.3	Free lift	h ₂	mm	/
4.4	Lift height	h ₃	mm	2910
4.5	Height, mast extended	h ₄	mm	3895
4.6	Initial lift	h ₅	mm	/
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	860/1200
4.10	Height of wheel arms	h ₈	mm	/
4.15	Lowered height	h ₁₃	mm	60
4.19	Overall length	l ₁	mm	1650
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	b ₃	mm	800
4.25	Outside width of the forks	b ₅	mm	200~765
4.26	Distance between wheel arms	b ₄	mm	100
4.31	Ground clearance, laden, below mast	m ₁	mm	/
4.32	Ground clearance, center of wheelbase	m ₂	mm	40
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2255
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2180
4.35	Turning radius	Wa	mm	1404
Performance data				
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
5.10	Service brake type			Electromagnetic
Electric engine				
6.1	Drive motor rating S2 60 min		kW	0.65
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	325x180x230
6.4	Battery voltage/nominal capacity K20		V/Ah	2x12/105
6.5	Battery weight		kg	2x30
Addition data				
8.1	Type of drive unit			DC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear		dB(A)	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



RATED CAPACITIES GRAPH



Mast Option

mast types	Lift h3+h13 (mm)	Lowered mast height h1 (mm)	Free lift h2 (mm)	Extended mast height h4 (mm)
Duplex ZT	1160	1600	1110	1600
	1360	1800	1310	1800
	1560	2000	1510	2000
	1660	2100	1610	2100
	2470	1833	—	3395
	2670	1933	—	3595
	2970	2083	—	3895
	3270	2233	—	4195
	3570	2383	—	4495

Option

Options	MES12-25DM
Battery capacity	○85AH /105AH /120AH
Special backrest	●
Battery indicator with hour meter	○
Driving wheel	○PU wheel with Pattern
Mast screen	●organic glass
Height limitation	○

Note: ● standard ○ option — NA