a Jebsen & Jessen brand



MPR-201,251,301A

Electric Pallet Truck 2.0t/2.5t/3.0t

- Robust safety arms
- More precise working mechanism
- Increase lifetime of movable parts
- Strengthened loading wheel assembly
- Reputable lead acid batteries

FEATURE

Superior lead acid batteries

This product is equipped with up to 24V/270Ah highly efficient and sturdy lead acid batteries. Lead acid batteries from MHE-Demag have a high number of charging cycles, ensuring working schedules are not disrupted.



Robust safety arms

The safety arms of the MPR series are produced from strengthened steel to ensure a long lifetime of the trucks structure.



More precise working mechanism

Using slider motion structure and one-time full-axis processing technology to ensure higher working accuracy.



Increased lifetime of movable parts

Adopting special pin material, heat treatment process and customized sleeve to make key movable parts more durable.



Strengthened load wheel assembly

MPR-251A & MPR-301A come with strengthened frames and updated links of the load wheels to improve wear resistance and meet heavy duty applications.







Electric Pallet Truck 2.0t

MPR-201A

Distinguishing mark	1.1	Brand			MHE	MHE
	1.2	Model designation			MPR-201A	MPR-201A
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	980	1000
	1.9	Wheelbase	y	mm	1531	1551
Service weight	2.1	Service weight		kg	755	755
	2.2	Axle loading, laden front/rear		kg	1090 / 1665	1090 / 1665
	2.3	Axle loading, unladen front/rear		kg	600 / 155	600 / 155
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ 230x75	Φ 230x75
	3.3.1	Tyre size, rear		mm	Φ 85x70 / Φ83x115	Φ 85x70 / Φ83x115
	3.4	Additional wheels (castor wheels)		mm	Φ 130x55	Φ 130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	2024
	4.20	Length to face of forks	l2	mm	804	804
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1220
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2606	2606
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2463	2463
	4.35	Turning radius	Wa	mm	1806	1826
Performance dateElectric-engine	5.1	Travel speed, laden/unladen		km/h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 230	24 / 230
	6.5	Battery weight		kg	220	220
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

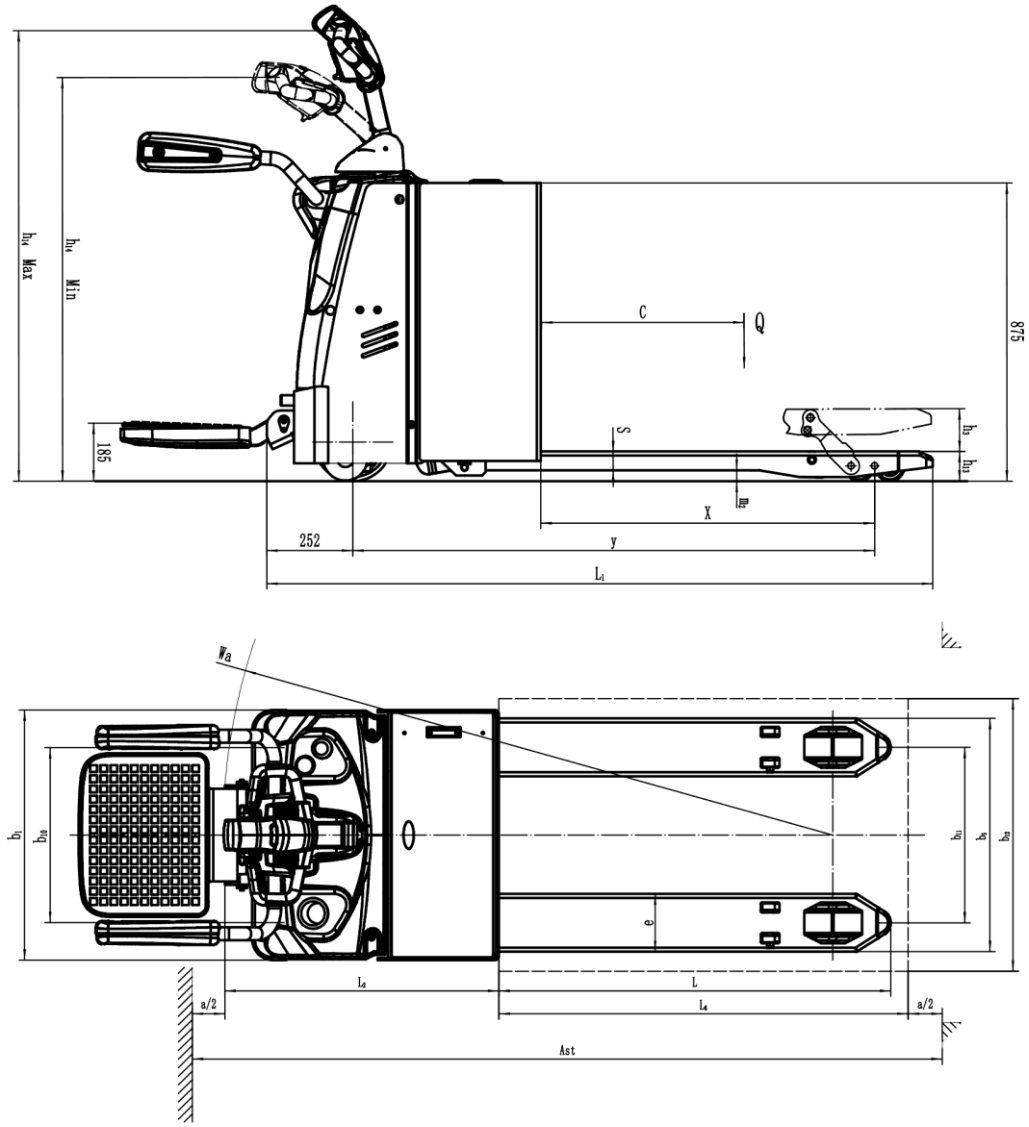
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

Electric Pallet Truck 2.5t

MPR-251A

Distinguishing mark	1.1	Brand			MHE	MHE
	1.2	Model designation			MPR-251A	MPR-301A
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2500	3000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	916
	1.9	Wheelbase	y	mm	1531	1531
Service weight	2.1	Service weight		kg	875	875
	2.2	Axle loading, laden front/rear		kg	1120 / 1670	1370 / 2420
	2.3	Axle loading, unladen front/rear		kg	650 / 140	650 / 140
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ 85x70 / Φ83x115	Φ 85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ 230x75	Φ 230x75
	3.4	Additional wheels (castor wheels)		mm	Φ 130x55	Φ 130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 495	370 / 495
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	824	824
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 190 x 1150	55 x 190 x 1150
	4.25	Distance between fork-arms	b5	mm	560 / 685	560 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590	2590
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2447	2447
	4.35	Turning radius	Wa	mm	1790	1790
Performance dataElectric-engine	5.1	Travel speed, laden/unladen		km/h	5.5 / 6.0	5.5 / 6.0
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 270	24 / 270
	6.5	Battery weight		kg	255	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

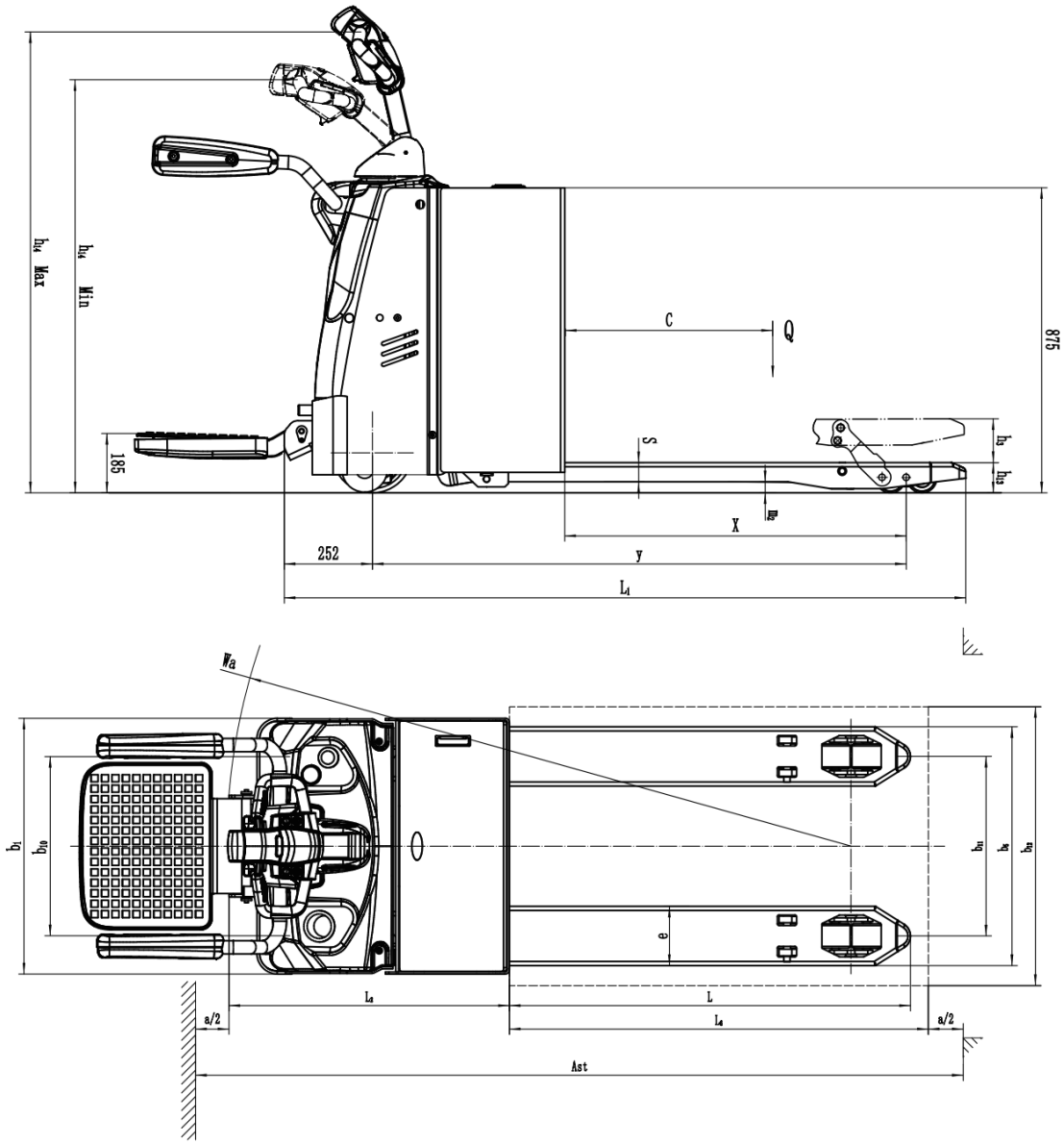
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



Option

No.	Optional items	MPR-201A
1.1	Fork length	●1150/1220 ○850/1000/1300/1450/1600/1800 /2000/2200/2400
1.2	Fork width	●540/685 ○600/725/790/840/940/1000 /1050/1100/1200
1.3	Fork lowered height	●85
1.4	Fork carriage width	●740
1.5	Fork carriage height	○1220mm（48in）○1520mm（60in）
2.1	Load wheel type	●Double ○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU ○Trace PU ○Rubber
2.7	Battery capacity	●230Ah
2.8	Charger	●24V-30A External ○24V-50A External
2.9	Battery indicator	● Hourmeter（With time）
3.3	Castor wheels	●Yes and not customized
3.4	Water auto-filling system	○Yes and not customized
4.1	Battery side pull function	○Yes and not customized
4.2	Cold storage	○Yes and not customized
4.4	Weighting system with fork	○Yes and not customized

Note： ● Standard ○ Optional - Inconformity



Option

No.	Optional items	MPR-251A / MPR-301A
1.1	Fork length	●1150/1220 ○850/1000/1300/1450/1600/1800/2000/2200/2400
1.2	Fork width	●560/685 ○830/880/980/1040/1090/1140/1240
1.3	Fork lowered height	●85
1.4	Fork carriage width	750
1.5	Fork carriage height	○1220mm (48in) ○1520mm (60in)
2.1	Load wheel type	●Double ○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU ○Trace PU ○Rubber
2.7	Battery capacity	●270Ah
2.8	Charger	●24V-30A external charger (270Ah) ○24V-50A external charger
2.9	Battery indicator	●With time
3.3	Castor wheels	●Castor wheels
3.4	Water auto-filling system	○Water auto-filling system
4.1	Battery side pull function	○Battery side pull function (only for lead-acid truck)

Note : ● Standard ○ Optional - Inconformity

Load Capability Chart

Fork length （mm)	Load capacity (kg)		
	MPR-201A	MPR-251A	MPR-301A
850	2000KG	2500KG	3000KG
1000			
1150			
1220			
1300			
1450			
1600			2700KG
1800	1800KG		
2000			
2200	1600KG		2500KG
2400			

Application scenario





