2016-2nd version

Let's grow together

MAX series

As "Max" as reliable

AC Driving System Offers Strong Dynamics, Accurate Control & Stable Performance;
High Intensity Structure Design & High Quality Spare Parts Enhance Performance Reliability;
Offer Full Range Standard & Customized Options for Material Handling and Warehouse Equipment.

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EPT20-18WA
EPT20-20WA
EPT25-25WA

Electric Pallet Truck 1.8/2.0/2.5t

Long-tiller Design Makes Operations Easier and More Convenient;
Small Turning Radius Requirements, Excellent Performances in Curved Aisles;
Ideal Choice for Heavy Duty but Short Distance Applications.

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FEATURE

Performance

- The innovative AC system offers strong power, accurate control and excellent performance.
- High strength vertical gearbox provides reliable uptime.
- Low-noise and durable hydraulic unit, high quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of compo-nents.
- One-time formed fork, box type frame and adjustable linkage extends the life of undercarriage.

Safety

- Curved design of front chassis avoids pinching point when lifting.
- Curved design of bottom frame ensures proper ground clearance and avoids hurting operator's feet.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when the truck goes out of control.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- LBR option avoids cargo from falling down.
- Long operation tiller withstands most impacts from crashes.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Thanks to the long tiller design, it decreases the steering force greatly which leads to easy operations.
- With its special fork design, it is suitable for all popular pallets.
- Over 180° handle rotation range tiller & compact size ensure small turning radius & excellent maneuverability.
- Creep speed function: when tiller is in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Creep Switch for vertical handle (optional).

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing two bolts; Access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenance.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Low voltage lift cut off design protects batteries.

Electric Pallet Truck 1.8/2.0/2.5t
EPT20-18WA/EPT20-20WA/EPT25-25WA

Distinguishing mark						
1.1	Manufacturer			EP	EP	EP
1.2	Model designation			EPT20-18WA	EPT20-20WA	EPT25-25WA
1.3	Drive unit			Electric	Electric	Electric
1.4	Type of operation			pedestrian	pedestrian	pedestrian
1.5	Rated capacity	Q	kg	1800	2000	2500
1.6	Load center distance	c	mm	600	600	600
1.7	Load distance	x	mm	940	916 / 982 937 / 1003	916 / 982 937 / 1003
1.9	Wheelbase	y	mm	1368	1418 1488	1418 1488
Weight						
2.1	Service weight （include battery）		kg	445	535	565
2.2	Axle loading, laden driving side/loading side		kg	745 / 1500	955 / 1580	1070 / 1995
2.3	Axle loading, unladen driving side/loading side		kg	345 / 100	430 / 105	445 / 120
Types,Chassis						
3.1	Tyre type driving wheels/loading wheels				polyurethane/ polyurethane	
3.2	Tyre size, driving wheels （diameter×width）		mm	Φ230x75	Φ230x75	Φ230x75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ80x60	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
3.4	Tyre size, caster wheels （diameter×width）		mm	Φ85x48	Φ85x48	Φ85x48
3.5	Wheels, number driving， caster/loading (x=drive wheels)		mm	1 x + 2 / 4	1 x +2 / 4 / 1x +2 / 2	1 x +2 / 4 / 1x +2 / 2
3.6	Track width, front,driving side	b_{10}	mm	498	498	498
3.7	Track width,rear,loading side	b_{11}	mm	390 / 450 / 535	370 / 430 / 515	370 / 430 / 515
Dimensions						
4.4	Lift height	h_3	mm	120	120	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715 / 1200	715 / 1200	715 / 1200
4.15	Lowered height	h_{13}	mm	85	85	85
4.19	Overall length	l_1	mm	1735	1748 1818	1748 1818
4.20	Length to face of forks	l_2	mm	585	598	598
4.21	Overall width	b_1/ b_2	mm	710	710	710
4.22	Fork dimensions	s/ e/ l	mm	50 x 150 x 1150	55 x 170 x 1150 55x170x1220	55 x 170 x 1150 55x170x1220
4.25	Distance between fork-arms	b_5	mm	540 / 600 / 685	540 / 600 / 685	540 / 600 / 685
4.32	Ground clearance, center of wheelbase	m_2	mm	35	30	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	1820	1815	1815
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2020	2015	2015
4.35	Turning radius	Wa	mm	1560	1595	1595
Performance data						
5.1	Travel speed, laden/ unladen	km/ h	km/h	5.5 / 6.0	5 / 5.5	5 / 5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.051 / 0.060	0.051 / 0.060	0.051 / 0.060
5.3	Lowering speed, laden/ unladen		m/ s	0.032 / 0.039	0.032 / 0.039	0.032 / 0.039
5.8	Max. gradeability, laden/unladen			6 / 16	8 / 16	6 / 16
5.10	Service brake type			Electromagnetic	Electromagnetic	Electromagnetic
Electric-engine						
6.1	Drive motor rating S2 60 min		kW	1.1	1.1	1.1
6.2	Lift motor rating at S3 15%		kW	0.84	0.84	0.84
6.3	The maximum allowed size battery		mm	670 x 180 x 570	680 x 205 x 600	680 x 205 x 600
6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 110	24 / 210	24 / 240
6.5	Battery weight		kg	120	190	220
Addition data						
8.1	Type of drive control			AC	AC	AC
10.5	Steering type			Mechanical	Mechanical	Mechanical
10.7	Sound pressure level at the driver's ear			74	74	74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

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EPT20-20RA(S)
EPT20-20RASH
EPT25-25RAS

Electric Pallet Truck 2.0/2.5t

Ideal Option for Heavy Duty Long Distance Material Handling Tasks:
Driving Wheel Pressure Auto-compensation Patent Design Makes Operation Comfortable & Smooth;
Dual-Monitoring Electric Steering Offers Safer and Simpler Operations;
Driving Speed up to 12KM/H Greatly Improves the Efficiency of Long-distance Job.

FEATURE

Performance

- The innovative AC system offers strong power, accurate control and excellent performance.
- High strength vertical gearbox provides reliable uptime.
- Low-noise and durable hydraulic unit, high quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of compo-nents.
- One-time formed fork, box type frame and adjustable linkage extends the life of undercarriage.
- Innovative Drive floating operation system(DFA) ensures the stability of the truck when steering at high speed.

Safety

- Two travel speed improves operator safety,with half speed when protection arm off and full speed when protection arm on.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Dual-monitoring power steering, the top safety design(electric steering).

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently & comfortably.
- Foldable platform reduces vibration which make operator comfortable when driving.
- Unique suspension driving floating system(DFA) design , make the operation easy and comfortable.
- When platform is folded, truck can work at low speed in smaller space.
- Ergonomical armrest guarantees easy operation & good resistance.
- Electric power steering, smooth & comfortable (EPS).

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing four bolts;Access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenence.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Low voltage lift cut off design protects batteries.

Electric Pallet Truck 2.0/2.5t
EPT20-20RA(S)(H)/EPT25-25RAS

Distinguishing mark							
1.1	Manufacturer			EP		EP	
1.2	Model designation			EPT20-20RA（S）		EPT25-25RAS	
1.3	Drive unit			Electric		Electric	
1.4	Type of operation			standing		standing	
1.5	Rated capacity	Q	kg	2000		2500	
1.6	Load center distance	c	mm	600		600	
1.8	Load distance	x	mm	916 / 982	937 / 1003	916 / 982	937 / 1003
1.9	Wheelbase	y	mm	1418	1438	1418	1438
Weight							
2.1	Service weight （include battery）		kg	670		690	
2.2	Axle loading, laden driving side/loading side		kg	1066 / 1604		1176 / 2014	
2.3	Axle loading, unladen driving side/loading side		kg	546 / 124		556 / 134	
Types,Chassis							
3.1	Tyre type driving wheels/loading wheels			Polyurethane / Polyurethane		Polyurethane / Polyurethane	
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230x75		Φ230x75	
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85x70 / Φ83x115		Φ85x70 / Φ83x115	
3.4	Tyre size, caster wheels（diameter×width）		mm	Φ130x60		Φ130x60	
3.5	Wheels, number driving， caster/loading (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2		1 x +2 / 4 / 1 x + 2 / 2	
3.6	Track width, front,driving side	b_{10}	mm	510		510	
3.7	Track width,rear,loading side	b_{11}	mm	370 / 430 / 515		370 / 430 / 515	
Dimensions							
4.4	Lift height	h_3	mm	125		125	
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1150 / 1470		1150 / 1470	
4.15	Lowered height	h_{13}	mm	85		85	
4.19	Overall length	l_1	mm	1860	1930	1860	1930
4.20	Length to face of forks	l_2	mm	710		710	
4.21	Overall width	b_1/ b_2	mm	730		730	
4.22	Fork dimensions	s/ e/ l	mm	55 x 170 x 1150	55 x 170 x 1220	55 x 170 x 1150	55 x 170 x 1220
4.25	Distance between fork-arms	b_5	mm	540 / 600 / 685		540 / 600 / 685	
4.32	Ground clearance, center of wheelbase	m_2	mm	30		30	
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	1984		1984	
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2184		2184	
4.35	Turning radius	Wa	mm	1700		1700	
Performance data							
5.1	Travel speed, laden/ unladen	km/ h	km/h	5.5 / 6		5.5 / 6	
5.2	Lifting speed, laden/ unladen		m/ s	0.051 / 0.060		0.055 / 0.060	
5.3	Lowering speed, laden/ unladen		m/ s	0.032 / 0.039		0.030 / 0.039	
5.8	Max. gradeability, laden/unladen			8 / 16		6 / 16	
5.10	Service brake type			Electromagnetic		Electromagnetic	
Electric-engine							
6.1	Drive motor rating S2 60 min		kW	1.5		1.5	
6.2	Lift motor rating at S3 15%		kW	0.84		0.84	
6.3	The maximum allowed size battery		mm	660 x 205 x 660		660 x 205 x 660	
6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 210		24 / 210	
6.5	Battery weight		kg	190		190	
Addition data							
8.1	Type of drive control			AC		AC	
10.5	Steering type			Mechanical/Electronic		Electronic	
10.7	Sound pressure level at the driver's ear			74		74	

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

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EPT20-RASS
EPT20-RASC
Electric Pallet Truck 2.0t

Fits the Dual Monitoring of Traveling and Steering Motors International Safety Standard;
Ergonomic Design Offers Perfect Combination of Performance & Safety;
Best Choice for High Efficiency & Heavy Duty Handling Task,
Top Driving Speed (Optional) Reaches 12KM/H.

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FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- One-time formed fork, box type frame and adjustable linkage extends the life of undercarriage.
- High Speed(Up to 12KM/H Unladen): High Efficiency of Material Handling Operations

Safety

- Half-surrounded operator compartment design.
- Side leaning position provides wider view when travel forward and backward.
- Safety foot switch avoids operators from misoperating.
- Automatic braking and reverse current braking when foot switch is off or travel switch is neutral.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Dual-monitoring power steering, the top safety design(electric steering).

Operation

- With the new design of ergonomical tiller head, all buttons are controlled conveniently &comfortably.
- With backrest cushion, support seat,spacious operation room and vibration absorber pedal, operator will feel more comfortable.
- The unique suspension driving floating system(DFA) design , ensures the stability in high speed.
- Side-open battery compartment design for easy replacement and maintenance.
- Electric power steering, smooth & comfortable (EPS).

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing four bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Low voltage lift cut off design protects the battery.

Electric Pallet Truck 2.0t
EPT20-RASS/EPT20-RASC

Distinguishing mark					
1.1	Manufacturer			EP	EP
1.2	Model designation			EPT20-RASS	EPT20-RASC
1.3	Drive unit			Electric	Electric
1.4	Type of operation			standing	standing
1.5	Rated capacity	Q	kg	2000	2000
1.6	Load center distance	c	mm	600	600
1.8	Load distance	x	mm	958	958
1.9	Wheelbase	y	mm	1465	1465
Weight					
2.1	Service weight （include battery）		kg	810	750
2.2	Axle loading, laden driving side/loading side		kg	1166 / 1644	1126 / 1624
2.3	Axle loading, unladen driving side/loading side		kg	630 / 180	590 / 160
Types,Chassis					
3.1	Tyre type driving wheels/loading wheels			polyurethane / polyurethane	polyurethane / polyurethane
3.2	Tyre size, driving wheels （diameter×width）		mm	Φ230x75	Φ230x75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85x70	Φ85x70
3.4	Tyre size, caster wheels （diameter×width）		mm	Φ130x60	Φ130x60
3.5	Wheels, number driving， caster/loading (x=drive wheels)		mm	1 x +2 / 4	1 x +2 / 4
3.6	Track width, front,driving side	b_{10}	mm	510	510
3.7	Track width,rear,loading side	b_{11}	mm	370 / 430 / 515	370 / 430 / 515
Dimensions					
4.4	Lift height	h_3	mm	125	125
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1200	1200
4.15	Lowered height	h_{13}	mm	85	85
4.19	Overall length	l_1	mm	2255	2255
4.20	Length to face of forks	l_2	mm	1105	1105
4.21	Overall width	b_1/ b_2	mm	730	730
4.22	Fork dimensions	s/ e/ l	mm	55 x 170 x 1150	55 x 170 x 1150
4.25	Distance between fork-arms	b_5	mm	540 / 600 / 685	540 / 600 / 685
4.32	Ground clearance, center of wheelbase	m_2	mm	30	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2317	2317
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2517	2517
4.35	Turning radius	Wa	mm	2075	2075
Performance data					
5.1	Travel speed, laden/ unladen	km/ h	km/h	9.0 / 12.0	5.5 / 6
5.2	Lifting speed, laden/ unladen		m/ s	0.051 / 0.060	0.051 / 0.060
5.3	Lowering speed, laden/ unladen		m/ s	0.032 / 0.039	0.032 / 0.039
5.8	Max. gradeability, laden/unladen			8 / 16	8 / 16
5.10	Service brake type			Electromagnetic	Electromagnetic
Electric-engine					
6.1	Drive motor rating S2 60 min		kW	2.5	1.5
6.2	Lift motor rating at S3 15%		kW	0.84	0.84
6.3	The maximum allowed size battery		mm	652 x 270 x 680	652 x 270 x 680
6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 280	24 / 210
6.5	Battery weight		kg	250	190
Addition data					
8.1	Type of drive control			AC	AC
10.5	Steering type			Electronic	Electronic
10.7	Sound pressure level at the driver's ear			74	74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

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ES10-10WA/ES12-12WA
ES14-14WA/ES16-16WA
Electric Stacker 1.0-1.6t

Ideal Choice for Heavy Duty Short Distance Handling and Stacking Tasks:
Long-tiller Design Makes Operations Easy and Convenient;
Long aside tiller offers wider view and safer operation.

FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape mast channel mast improves the strength of the whole truck.

Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Long aside tiller reduces operator' s hazards.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Creep speed function: when tiller is in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Long tiller offers easier operation.
- Aside Operation, Greater View.

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Back cover can be removed easily ; Access to all key components for inspection, maintenance and replace-ment.
- Easy access for battery maintenence.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 1.0-1.6t

ES10-10WA/ES12-12WA
ES14-14WA/ES16-16WA

Distinguishing mark							
1.1	Manufacturer			EP	EP	EP	EP
1.2	Model designation			ES10-10WA	ES12-12WA	ES14-14WA	ES16-16WA
1.3	Drive unit			Electric	Electric	Electric	Electric
1.4	Type of operation			Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.5	Rated capacity	Q	kg	1000	1200	1400	1600
1.6	Load center distance	c	mm	600	600	600	600
1.8	Load distance，centre of drive axle to fork	x	mm	688	688	693	693
1.9	Wheelbase	y	mm	1225	1225	1305	1305
Weight							
2.1	Service weight （include battery）		kg	925	950	1050	1070
2.2	Axle loading, laden driving side/loading side		kg	640/1285	715/1435	755/1695	780/1890
2.3	Axle loading, unladen driving side/loading side		kg	630/295	645/305	715/335	730/340
Types,Chassis							
3.1	Tyre type Driving wheels/Loading wheels			PU/PU	PU/PU	PU/PU	PU/PU
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230×75	Φ230×75	Φ230×75	Φ230×75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85×70	Φ85×70	Φ85×70	Φ85×70
3.4	Tyre size, caster wheels（diameter×width）		mm	Φ130×55	Φ130×55	Φ130×55	Φ130×55
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1x +1/4	1x +1/4	1x +1/4	1x +1/4
3.6	Track width, front,driving side	b_{10}	mm	538	538	538	538
3.7	Track width,rear,loading side	b_{11}	mm	380/430/515	380/430/515	360/410/495	360/410/495
Dimensions							
4.2	Height, mast lowered	h_1	mm	1970	1970	2030	2030
4.3	Free lift	h_2	mm	100	100	100	100
4.4	Lift height	h_3	mm	2930	2930	2950	2950
4.5	Height, mast extended	h_4	mm	3420	3420	3465	3465
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715/1200	715/1200	715/1200	715/1200
4.15	Lowered height	h_{13}	mm	88	88	88	88
4.19	Overall length	l_1	mm	1826	1826	1940	1940
4.20	Length to face of forks	l_2	mm	676	676	787	787
4.21	Overall width	b_1	mm	800	800	800	800
4.22	Fork dimensions	s/ e/ l	mm	60×170×1150	60×170×1150	60×190×1150	60×190×1150
4.24	Fork carriage width	b_3	mm	680	680	680	680
4.25	Distance between fork-arms	b_5	mm	550/600/685	550/600/685	550/600/685	550/600/685
4.32	Ground clearance, center of wheelbase	m_2	mm	28	28	28	28
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2333	2333	2465	2465
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2303	2303	2440	2440
4.35	Turning radius	Wa	mm	1463	1463	1589	1589
Performance data							
5.1	Travel speed, laden/ unladen		km/ h	5.0/5.5	5.0/5.5	5.0/5.5	5.0/5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.10/0.16	0.10/0.16	0.13/0.16	0.13/0.16
5.3	Lowering speed, laden/ unladen		m/ s	0.19/0.18	0.19/0.18	0.22/0.13	0.22/0.13
5.8	Max. gradeability, laden/unladen		%	8/16 ①	8/16 ①	8/16 ①	8/16 ①
5.10	Service brake type			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Electric-engine							
6.1	Drive motor rating S2 60 min		kW	1.1	1.1	1.1	1.1
6.2	Lift motor rating at S3 15%		kW	2.2	2.2	3.0	3.0
6.3	The maximum allowed size battery		mm	788×180×560	788×180×560	788×180×560	788×180×560
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/165	24/210	24/210	24/230
6.5	Battery weight		kg	165	190	190	210
Addition data							
8.1	Type of drive unit			AC	AC	AC	AC
10.5	Steering type			Machanical Steering	Machanical Steering	Machanical Steering	Machanical Steering
10.7	Sound pressure level at the driver's ear		dB (A)	74	74	74	74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.
① This parameter is only representative of the vehicle climbing performance, actually depends on the ramp and through the left ramp angle design.

Let's grow together

EPT20-20WAi

Electric Pallet Truck 2.0t

Carrying Two Pallets at A Time Doubles Working Efficiency;
Extraordinary Traction in Crossing Door and Dock;
Long-tiller Design Makes Operations Easy and Convenient.

EP EQUIPMENT CO.,LTD
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Let's grow together

ES12-12WAi

Electric Stacker 1.2t

Carrying Two Pallets at A Time Doubles Working Efficiency;
Extraordinary Traction in Crossing Door and Dock;
Long-tiller Design Makes Operations Easy and Convenient.

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FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape channel mast improves the strength of the whole truck.

EPT20-20WAi

ES12-12WAi

Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Dual pallets lifting doubles working efficiency.
- Creep speed function: when handle in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Long tiller decreases the operation force greatly and makes operations much easier.
- Bias Operation, Greater View.

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing two bolts; Access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenence.
- Vertical motor makes the inspection & service much more convenient.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Pallet Truck 2.0t
EPT20-20WAi

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			EPT20-20WAi
1.3	Drive unit			Electrics
1.4	Operator type			pedestrian
1.5	rated capacity	Q	kg	2000
1.6	Load center distance	c	mm	600
1.8	Load distance	x	mm	905
1.9	Wheelbase	y	mm	1441
Weight				
2.1	Service weight （include battery）		kg	625
2.2	Axle loading, laden driving side/loading side		kg	910/1715
2.3	Axle loading, unladen driving side/loading side		kg	420/205
Types,Chassis				
3.1	Tyre type driving wheels/loading wheels			PU / PU
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230x75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85x70
3.4	Tyre size, caster wheels（diameter×width）		mm	Φ85x48
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1 x +2 / 4
3.6	Track width, front,driving side	b_{10}	mm	498
3.7	Track width,rear,loading side	b_{11}	mm	366
Dimensions				
4.4	Lift	h_3	mm	540
4.6	Initial lift	h5	mm	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715 / 1200
4.15	Lowered height	h_{13}	mm	95
4.19	Overall length	l_1	mm	1850
4.20	Length to face of forks	l_2	mm	694
4.21	Overall width	b_1/ b_2	mm	710
4.22	Fork dimensions	s/ e/ l	mm	60/190/1150
4.25	Distance between fork-arms	b_5	mm	560
4.32	Ground clearance, center of wheelbase	m_2	mm	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	1913
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2113
4.35	Turning radius	Wa	mm	1615
Performance data				
5.1	Travel speed, laden/ unladen		km/h	5/5.5
5.2	support arm Lifting speed, laden/ unladen		m/ s	0.024/0.025
5.21	mast Lifting speed, laden/ unladen		m/ s	0.071/0.121
5.3	support arm Lowering speed, laden/ unladen		m/ s	0.050/0.032
5.31	mast Lifting speed, laden/ unladen		m/ s	0.13/0.1
5.8	Max. gradeability, laden/unladen			8/16
5.10	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	1.27
6.2	Lift motor rating at S3 15%		kW	0.84
6.3	The maximum allowed size battery		mm	650X150X625
6.4	Battery voltage/nominal capacity K5			24/150
6.5	Battery weight		kg	140
Addition data				
8.1	Type of drive control			AC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

Electric Stacker1.2t
ES12-12WAi

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			ES12-12WAi
1.3	Drive unit			Electric
1.4	Type of operation			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	701
1.9	Wheelbase	y	mm	1275
Weight				
2.1	Service weight （include battery）		kg	940
2.2	Axle loading, laden driving side/loading side		kg	735/1405
2.3	Axle loading, unladen driving side/loading side		kg	640/300
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230×75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85×70
3.4	Tyre size, caster wheels（diameter×width）		mm	Φ130×55
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1x +1/4
3.6	Track width, front,driving side	b_{10}	mm	538
3.7	Track width,rear,loading side	b_{11}	mm	370
Dimensions				
4.2	Height, mast lowered	h_1	mm	1970
4.3	Free lift	h_2	mm	100
4.4	Lift height	h_3	mm	2930
4.5	Height, mast extended	h_4	mm	3529
4.6	Initial lift	h_5	mm	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715/1200
4.15	Lowered height	h_{13}	mm	95
4.19	Overall length	l_1	mm	1847
4.20	Length to face of forks	l_2	mm	697
4.21	Overall width	b_1	mm	800
4.22	Fork dimensions	s/ e/ l	mm	60×190×1150
4.24	Fork carriage width	b_3	mm	680
4.25	Distance between fork-arms	b_5	mm	560
4.32	Ground clearance, center of wheelbase	m_2	mm	28
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2378
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2350
4.35	Turning radius	Wa	mm	1510
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	5.0/5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.11/0.16
5.3	Lowering speed, laden/ unladen		m/ s	0.19/0.18
5.8	Max. gradeability, laden/unladen		%	8/ 16
5.10	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	1.1
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	788×180×560
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/210
6.5	Battery weight		kg	190
Addition data				
8.1	Type of drive unit			AC
10.5	Steering type			Machanical Steering
10.7	Sound pressure level at the driver's ear		dB (A)	74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

Let's grow together

ES14-14RA/ES16-16RA
Electric Stacker 1.4/1.6t

Great Option for Heavy Duty & High Stacking Tasks:
High Strength Structure Suits High Racking Applications;
Various Options Such As Foldable Platform, Protection Arm & Power Steering

EP EQUIPMENT CO.,LTD
www.ep-ep.com

FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape channel mast improves the strength of the whole truck.
- High strengh chassis enhances the reliability and durability of the truck.
- Innovative Drive floating operation system(DFA) ensures the stability of the truck when steering at high speed.

Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Full speed will be only available when protection arms are up, low speed mode will be automatically on otherwise.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Dual-monitoring power steering.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Foldable platform reduces vibration which makes operator feel more comfortable when driving.
- The unique suspension driving floating system(DFA) design makes operations easy and comfortable.
- When platform is folded, truck can work at low speed in smaller space.
- Ergonomical and durable protection arm guarantees easy operation, with innovative on/off design.
- Electric power steering, smooth & comfortable (EPS).

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing four bolts; Access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenence.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 1.4/1.6t
ES14-14RA / ES16-16RA

Distinguishing mark					
1.1	Manufacturer			EP	EP
1.2	Model designation			ES14-14RA	ES16-16RA
1.3	Drive unit			Electric	Electric
1.4	Type of operation			Standing	Standing
1.5	Rated capacity	Q	kg	1400	1600
1.6	Load center distance	c	mm	600	600
1.8	Load distance，centre of drive axle to fork	x	mm	693	693
1.9	Wheelbase	y	mm	1394	1394
Weight					
2.1	Service weight （include battery）		kg	1290	1320
2.2	Axle loading, laden driving side/loading side		kg	930/1760	960/1960
2.3	Axle loading, unladen driving side/loading side		kg	900/390	925/395
Types,Chassis					
3.1	Tyre type Driving wheels/Loading wheels			PU/PU	PU/PU
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230×75	Φ230×75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ85×70	Φ85×70
3.4	Tyre size, caster wheels（diameter×width）		mm	Φ130×55	Φ130×55
3.5	Wheels, number driving，caster/loading (x=drive		mm	1x +2/4	1x +2/4
3.6	Track width, front,driving side	b_{10}	mm	634	634
3.7	Track width,rear,loading side	b_{11}	mm	380/410/495	380/410/495
Dimensions					
4.2	Height, mast lowered	h_1	mm	2020	2020
4.3	Free lift	h_2	mm	100	100
4.4	Lift height	h_3	mm	2950	2950
4.5	Height, mast extended	h_4	mm	3465	3465
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1150/1480	1150/1480
4.2	Lowered height	h_{13}	mm	88	88
4.2	Overall length	l_1	mm	2003	2003
4.20	Length to face of forks	l_2	mm	860	860
4.2	Overall width	b_1	mm	850	850
4.2	Fork dimensions	s/ e/ l	mm	60×190×1150	60×190×1150
4.2	Fork carriage width	b_3	mm	800	800
4.3	Distance between fork-arms	b_5	mm	570/600/685	570/600/685
4.3	Ground clearance, center of wheelbase	m_2	mm	28	28
4.34.	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2610/2971	2610/2971
4.34.	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2580/2941	2580/2941
4.4	Turning radius	Wa	mm	1738/2099	1738/2099
Performance data					
5.1	Travel speed, laden/ unladen		km/ h	5.5/6.0	5.5/6.0
5.2	Lifting speed, laden/ unladen		m/ s	0.13/0.16	0.13/0.16
5.3	Lowering speed, laden/ unladen		m/ s	0.32/0.23	0.32/0.23
5.8	Max. gradeability, laden/unladen		%	8/16 ①	8/16 ①
5.10	Service brake type			Electromagnetic	Electromagnetic
Electric-engine					
6.1	Drive motor rating S2 60 min		kW	1.5	1.5
6.2	Lift motor rating at S3 15%		kW	3	3
6.3	The maximum allowed size battery		mm	834×216×630	834×216×630
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/230	24/280
6.5	Battery weight		kg	210	240
Addition data					
8.1	Type of drive unit			AC	AC
10.5	Steering type			Machanical Steering	Machanical Steering
11	Sound pressure level at the driver's ear		dB (A)	74	74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.
① This parameter is only representative of the vehicle climbing performance, actually depends on the ramp and through the left ramp angle design.

Let's grow together

ES10-10CA

Electric Stacker 1.0t

Counterbalance Stackers, Better for Non-standardized Pallets.

EP EQUIPMENT CO.,LTD
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FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- High strengh chassis enhances the reliability and durability of the truck.
- Standard featured tilt mast cylinder design and controller montoring the tilt speed smoothly and ensures safe performance.
- Heavy duty load wheel ensures stability.
- Compact design with small turning radius requirements.

Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Long aside tiller reduces operator’s hazards.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Long tiller reduces steering force greatly.
- Adjustable forks, suitable for compli-cated pallets or cargos.
- Tilting as standard configuration, make operation easier.
- Side-open battery design for easy battery replacement and various applications.

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator will remind the operator to recharge the battery.
- Easily remove the back cover by only loosing four bolts; Access to all key components for inspection, maintenance and replacement.
- Press-on load wheel reduces the maintenance cost.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 1.0t
ES10-10CA

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			ES10-10CA
1.3	Drive unit			Electric
1.4	Type of operation			pedestrian
1.5	Rated capacity	Q	kg	1000
1.6	Load center distance	c	mm	600
1.8	Load distance，centre of drive axle to fork	x	mm	208
1.9	Wheelbase	y	mm	1244
Weight				
2.1	Service weight（include battery）		kg	1950
2.2	Axle loading, laden driving side/loading side		kg	380/2570
2.3	Axle loading, unladen driving side/loading side		kg	1030/920
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels			polyurethane/ polyurethane
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230× 75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ254×102
3.4	Tyre size, caster wheels（diameter×width）		mm	
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1x，0/2
3.6	Track width, front,driving side	b_{10}	mm	787
3.7	Track width,rear,loading side	b_{11}	mm	
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	1.5/6
4.2	Height, mast lowered	h_1	mm	2110
4.3	Free lift	h_2	mm	150
4.4	Lift height	h_3	mm	3270
4.5	Height, mast extended	h_4	mm	4185
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715/1200
4.10	Height of wheel arms	h_8	mm	284
4.15	Lowered height	h_{13}	mm	60
4.19	Overall length	l_1	mm	2703
4.20	Length to face of forks	l_2	mm	1633
4.21	Overall width	b_1/ b_2	mm	710/900
4.22	Fork dimensions	s/ e/ l	mm	40/100/1070
4.24	Fork carriage width	b_3	mm	800
4.25	Distance between fork-arms	b_5	mm	200-760
4.31	Ground clearance, laden, below mast	m_1	mm	78
4.32	Ground clearance, center of wheelbase	m_2	mm	70
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2980
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3095
4.35	Turning radius	Wa	mm	1425
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	4.5/5.0
5.2	Lifting speed, laden/ unladen		m/ s	0.127/0.23
5.3	Lowering speed, laden/ unladen		m/ s	0.26/0.2
5.8	Max. gradeability, laden/unladen		%	5.0/8.0
5.10	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	1.1
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	680/230/open
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/224
6.5	Battery weight		kg	160
Addition data				
8.1	Type of drive unit			AC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.

Let's grow together

ES12-25WA

Electric Stacker 1.2t

Straddle Design Improves the Stability of Stacking;
Suitable for Handling and Stacking of Various Non-standardized Pallets.

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FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape channel mast improves the strength of the whole truck.
- Staddle design ensures the stability of high lifting.

Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Long operational tiller ensures safety distance for operators.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Long tiller reduces the steering force greatly.
- Adjustable forks, suitable for complicated pallets or cargos.
- Creep speed function: when tiller is in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Side-open battery design for easy battery replacement and various applications.

Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing four bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 1.2t
ES12-25WA

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			ES12-25WA
1.3	Drive unit			Electric
1.4	Type of operation			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	618
1.9	Wheelbase	y	mm	1320
Weight				
2.1	Service weight （include battery）		kg	1150
2.2	Axle loading, laden driving side/loading side		kg	685/1525
2.3	Axle loading, unladen driving side/loading side		kg	665/485
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230x75
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ102x50
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1x+0/4
3.7	Track width,rear,loading side	b_{11}	mm	1045/1145/1245/1345
Dimensions				
4.2	Height, mast lowered	h_1	mm	2110
4.3	Free lift	h_2	mm	150
4.4	Lift height	h_3	mm	3270
4.5	Height, mast extended	h_4	mm	4185
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715/1200
4.10	Height of wheel arms	h_8	mm	100
4.15	Lowered height	h_{13}	mm	60
4.19	Overall length	l_1	mm	1947
4.20	Length to face of forks	l_2	mm	877
4.21	Overall width	b_1/ b_2	mm	1120/1420
4.22	Fork dimensions	s/ e/ l	mm	40/100/1070
4.24	Fork carriage width	b_3	mm	800
4.25	Distance between fork-arms	b_5	mm	200-760
4.26	Distance between wheel arms	m_1	mm	970-1270(adjustable)
4.32	Ground clearance, center of wheelbase	m_2	mm	60
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2405
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2400
4.35	Turning radius	Wa	mm	1490
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	5.0/5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.127/ 0.23
5.3	Lowering speed, laden/ unladen		m/ s	0.26/0.20
5.8	Max. gradeability, laden/unladen		%	8/ 16
5.10	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	1.1
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	650/225/open
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/210
6.5	Battery weight		kg	160
Addition data				
8.1	Type of drive unit			AC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.