



MINI **series**

Innovation on "Mini"

1st Design Ever in the Industry
Small · Smart · Simple

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



reddot design award
winner 2012



EPT20-15ET

Electric Pallet Truck 1.5t

- 1st Innovative Design Ever
- Compact Size & Light Weight, Convenient for Operation
- Energy-saving & environment-friendly design maximizes running time
- Incredible Market Share Globally
- Can replace drive wheel only by releasing six nuts



Quick
Removal
And
Replacement

BEFORE: 1 HOUR
NOW: 10 MINUTES

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

FEATURE

■ Innovation:

1st Innovative Design Ever won the REDDOT award.



reddot design award
winner 2012

■ Light Weight, Great Capacity, Great Passingability:

Light weight & compact size create excellent maneuverability & passingability.
1500KG capacity handles most applications.



■ Anti-vibration Technology for Batteries:

Special anti-vibration technology extends maintenance-free battery life.

■ Cables:

Robot cables with excellent twist resistance offers longer life span.

■ Charger:

Charger with temperature indicator protects battery.

■ Operation:

Ergonomically-designed tiller head helps increase efficiency; Internal Charger for Easy Charging.

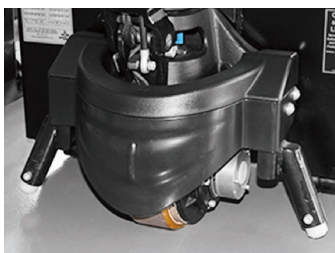
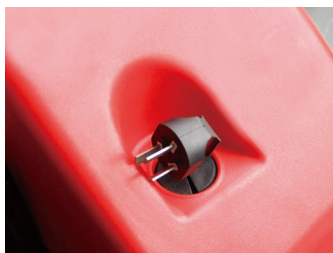
■ Safety:

Handy Emergency Disconnect Button & Durable Driving Unit ensure safety under any situation.

■ Serviceability:

Assembly Components, Easy for Diagnosis and Replacing.

Can replace drive wheel only by releasing six nuts



Electric Pallet Truck 1.5t

EPT20-15ET

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		EPT20-15ET
1.3	Drive unit		Electric
1.4	Type of operation		pedestrian
1.5	Rated capacity	Q	kg 1500
1.6	Load center distance	c	mm 600
1.8	Load distance	x	mm 889/946
1.9	Wheelbase	y	mm 1268/1231
Weight			
2.1	Service weight (include battery)		kg 205
2.2	Axle loading, laden driving side/loading side		kg 550/1155
2.3	Axle loading, unladen driving side/loading side		kg 180/25
Types,Chassis			
3.1	Tyre type driving wheels/loading wheels		PU/ PU
3.2	Tyre size, driving wheels (diameter×width)	mm	Φ210x70
3.3	Tyre size, loading wheels (diameter×width)	mm	2x Φ80x60 (Φ74x88)
3.4	Tyre size, caster wheels (diameter×width)	mm	/
3.5	Wheels, number driving , caster/loading (x=drive wheels)	mm	1x /4 (1x /2)
3.6	Track width, front,driving side	b ₁₀	mm /
3.7	Track width,rear,loading side	b ₁₁	mm 410 (535)
Dimensions			
4.4	Lift height	h ₃	mm 115
4.9	Height drawbar in driving position min./max.	h ₁₄	mm 750/1170
4.15	Lowered height	h ₁₃	mm 85 (75)
4.19	Overall length	l ₁	mm 1632
4.20	Length to face of forks	l ₂	mm 482
4.21	Overall width	b ₁ / b ₂	mm 560 (685)
4.22	Fork dimensions	s/ e/ l	mm 50/150/1150
4.25	Distance between fork-arms	b ₃	mm 560 (685)
4.32	Ground clearance, center of wheelbase	m ₂	mm 35
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm 1739
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm 1939
4.35	Turning radius	Wa	mm 1485
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h 4/4.5
5.2	Lifting speed, laden/ unladen	m/ s	0.026/0.031
5.3	Lowering speed, laden/ unladen	m/ s	0.029/0.021
5.8	Max. gradeability, laden/unladen		2/6
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	0.84
6.3	The maximum allowed size battery	mm	265*185*215
6.4	Battery voltage/nominal capacity K20		24/85
6.5	Battery weight	kg	25.5x2
Addition data			
8.1	Type of drive control		DC
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.



EPT20-15ET2

Electric Pallet Truck 1.5t

■ Perfect Upgrade of Reliability and Easy-maintenance

▣ FEATURE

■ Patented Design:

Ergonomic tiller bounded with key switch, BDI and trouble-shooting indicator enhances easy and accurate operation.



■ External Control System:

Patent designed external control system not only protects controller in place but also provides easy access for maintenance.

■ Optimized Harness Layout:

Optimized wire harness layout lowers twist failure rate.

■ Front Detachable Battery Cover:

Innovative Design, Easy for Battery Replacement.

■ Emergency Switch:

Upgraded emergency switch ensures safety.

■ Cover for Driving Wheel:

Strong cover for driving wheel ensures the safety of the operator.

■ Charger:

Upper-installed Charger, Better Heat-Exhausting, Higher Charging Efficiency



Electric Pallet Truck 1.5t

EPT20-15ET2

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		EPT20-15ET2
1.3	Drive unit		Electric
1.4	Operator type		pedestrian
1.5	rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)		kg
2.2	Axle loading, laden driving side/loading side		kg
2.3	Axle loading, unladen driving side/loading side		kg
Types,Chassis			
3.1	Tyre type driving wheels/loading wheels		PU/ PU
3.2	Tyre size, driving wheels (diameter×width)	mm	Φ210×70
3.3	Tyre size, loading wheels (diameter×width)	mm	2x Φ78×60 (Φ78×88)
3.4	Tyre size, caster wheels (diameter×width)	mm	
3.5	Wheels, number driving , caster/loading (x=drive wheels)	mm	1x /4 (1x /2)
3.6	Track width, front,driving side	b ₁₀	mm
3.7	Track width,rear,loading side	b ₁₁	mm
Dimensions			
4.4	Lift height	h ₃	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁ / b ₂	mm
4.22	Fork dimensions	s/ e/ l	mm
4.25	Distance between fork-arms	b ₅	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h
5.2	Lifting speed, laden/ unladen		m/ s
5.3	Lowering speed, laden/ unladen		m/ s
5.8	Max. gradeability, laden/unladen		
5.10	Service brake type		Electromagnetic
Electric-engine			
6.1	Drive motor rating S2 60 min	kW	
6.2	Lift motor rating at S3 15%	kW	
6.3	The maximum allowed size battery	mm	
6.4	Battery voltage/nominal capacity K20		
6.5	Battery weight	kg	
Addition data			
8.1	Type of drive control		DC
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.



EPT20-15EHJ

Semi Electric Truck 1.5t

■ New Choice of Entry-level Electric Pallet Truck

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

▣ FEATURE

■ Light Weight, Great Capacity, Excellent Passingability:

1500KG capacity, light weight and compact size equivalent to hand pallet trucks.

■ Patented Design:

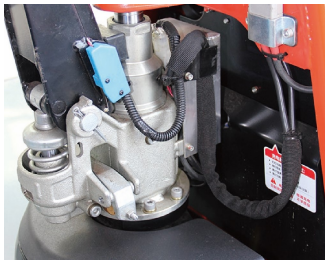
New Integrated Control Head Design, Easy & Comfortable Operation.

■ External Control System:

Patent designed external control system not only protects controller in place but also provides easy access for maintenance.

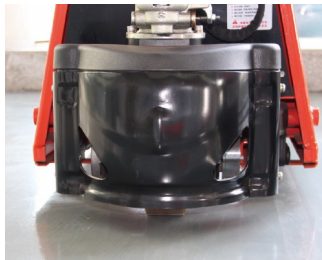
■ Operation :

Ergonomically-designed tiller head helps increase efficiency;
Internal Charger for Easy Charging.



■ Safety :

Handy Emergency Disconnect Button & Durable Driving Unit ensure safety under any situation.



■ Maintenance :

Assembly Components, Easy for Diagnosis and Replacing.



Semi Electric Truck 1.5t

EPT20-15EHJ

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			EPT20-15EHJ
1.3	Drive unit			Electric
1.4	Type of operation			pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load center distance	c	mm	600
1.8	Load distance	x	mm	883/946
1.9	Wheelbase	y	mm	1152/1215
Weight				
2.1	Service weight (include battery)		kg	140
2.2	Axle loading, laden driving side/loading side		kg	540/1100
2.3	Axle loading, unladen driving side/loading side		kg	110/30
Types,Chassis				
3.1	Tyre type driving wheels/loading wheels			PU/PU
3.2	Tyre size, driving wheels (diameter*width)		mm	Φ210x70
3.3	Tyre size, loading wheels (diameter*width)		mm	2x Φ80x60 (Φ74x88)
3.4	Tyre size, caster wheels (diameter*width)		mm	
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x /4
3.6	Track width, front,driving side	b ₁₀	mm	
3.7	Track width, rear,loading side	b ₁₁	mm	410 (535)
Dimensions				
4.4	Lift height	h ₃	mm	115
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	715/1280
4.15	Lowered height	h ₁₃	mm	85(75)
4.19	Overall length	l ₁	mm	1588
4.2	Length to face of forks	l ₂	mm	438
4.21	Overall width	b ₁ / b ₂	mm	560(685)
4.22	Fork dimensions	s/ e/ l	mm	50/150/1150
4.25	Distance between fork-arms	b ₅	mm	560/685
4.32	Ground clearance, center of wheelbase	m ₂	mm	35
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	1669
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	1869
4.35	Turning radius	Wa	mm	1415
Performance data				
5.1	Travel speed, laden/ unladen	km/ h	km/h	3.5/4
5.2	Lifting speed, laden/ unladen		m/ s	10mm/time
5.3	Lowering speed, laden/ unladen		m/ s	Controlable
5.8	Max. gradeability, laden/unladen			2/6
5.1	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	Manual Lifting
6.3	The maximum allowed size battery		mm	185/125/190
6.4	Battery voltage/nominal capacity K20			24/30
6.5	Battery weight		kg	9.5*2
Addition data				
8.1	Type of drive control			DC
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.



ES10-10ES/ES10-22DM
ES10-10MM/ES10-22MM
ES12-12ES/ES12-25DM
ES12-12MM/ES12-25MM
Electric Stacker 1.0/1.2t

EP
Let's grow together

- 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

▣ 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 1.0/1.2t

ES10-10ES/ES10-22DM/ES10-10MM/ES10-22MM
ES12-12ES/ES12-25DM/ES12-12MM/ES12-25MM

Distinguishing mark				
1.1	Manufacturer		EP	EP
1.2	Model designation		ES10-10MM	ES10-22MM
1.3	Drive unit		Electric	Electric
1.4	Type of operation		pedestrian	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	805
1.9	Wheelbase	y	mm	1126
Weight				
2.1	Service weight (include battery)		kg	462
2.2	Axle loading, laden driving side/loading side		kg	641/821
2.3	Axle loading, unladen driving side/loading side		kg	343/119
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels		PU/ PU	PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ210x70
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ80x60
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ100x50
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	380
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	/
4.2	Height, mast lowered	h ₁	mm	1940
4.3	Free lift	h ₂	mm	1505
4.4	Lift height	h ₃	mm	1520
4.5	Height, mast extended	h ₄	mm	1955
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	88
4.19	Overall length	l ₁	mm	1615
4.20	Length to face of forks	l ₂	mm	465
4.21	Overall width	b ₁	mm	800
4.22	Fork dimensions	s/ e/ l	mm	60/ 170/ 1150
4.24	Fork carriage width	b ₃	mm	680
4.25	Distance between fork-arms	b ₅	mm	550
4.26	Distance between wheel arms	b ₄	mm	/
4.31	Ground clearance, laden, below mast	m ₁	mm	/
4.32	Ground clearance, center of wheelbase	m ₂	mm	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2137
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2062
4.35	Turning radius	Wa	mm	1295
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	3.5/4
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	270x180x230
6.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85
6.5	Battery weight		kg	2x25
Addition data				
8.1	Type of drive unit		DC	DC
10.5	Steering type		Mechanical	Mechanical
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.

EP	EP	EP	EP	EP
ES10-22DM	ES12-12MM	ES12-25MM	ES12-12ES	ES12-25DM
Electric	Electric	Electric	Electric	Electric
pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
1000	1200	1200	1200	1200
600	600	600	600	600
845	805	850	795	845
1290	1126	1210	1240	1290
625	462	543	661	676
720/905	741/921	783/960	845/1016	837/1039
497/128	343/119	420 / 123	536/125	549 / 127
PU/PU	PU/ PU	PU/ PU	PU/PU	PU/PU
Ø210×70	Φ210x70	Φ210x70	Ø210×70	Ø210×70
Ø100×50	Φ80x60	Φ100x50	Ø80×60	Ø100×50
Ø100×50	Φ130x55	Φ100x50	Ø130×55	Ø100×50
1x +1/4	1x+ 1/ 4	1x+ 1/ 4	1x +1/4	1x +1/4
533	533	533	533	533
1060/1160/ 1260 /1360	380	1060/1160/ 1260 /1360	400	1060/1160/ 1260 /1360
/	/	/	/	/
2053	1940	1940	2052	2083
/	1505	1407	/	/
2930	1520	1520	2930	2930
3895	1955	2053	3487	3895
/	/	/	/	/
860/ 1200	860/ 1200	860/ 1200	860/ 1200	860/ 1200
100	/	100	/	/
60	88	60	88	60
1650	1615	1570	1740	1650
580	465	500	590	580
1135/1235/ 1335 /1435	800	1135/1235/ 1335 /1435	800	1135/1235/ 1335 /1435
35/ 100/ 1070	60/ 170/ 1150	35/ 100/ 1070	60/ 170/ 1150	35/ 100/ 1070
800	680	780	680	800
200~765	550	200~765	570	200~765
100	/	100	/	100
/	/	/	/	/
40	30	40	30	40
2255	2137	2175	2225	2255
2180	2062	2100	2150	2180
1404	1295	1329	1408	1404
3.5/4	3.5/4	3.5/4	3.5/4	3.5/4
0.12/0.22	0.12/ 0.22	0.12/ 0.22	0.12/0.22	0.12/0.22
0.12/0.11	0.12/ 0.11	0.12/ 0.11	0.12/0.11	0.12/0.11
3/10	3/ 10	3/ 10	3/10	3/10
Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
0.65	0.65	0.65	0.65	0.65
2.2	2.2	2.2	2.2	2.2
325x180x230	270x180x230	270x180x230	325x180x230	325x180x230
2x12/105	2x12/85	2x12/85	2x12/105	2x12/105
2x30	2x25	2x25	2x30	2x30
DC	DC	DC	DC	DC
Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
74	74	74	74	74



ES10-10ESJ

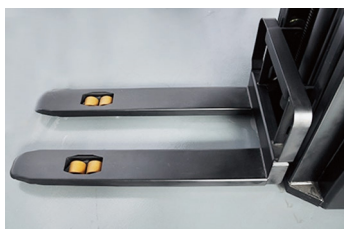
Electric Stacker 1.0t

■ New Choice of Entry-level Electric Stacker

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.



Safety

- Safety hydraulic design prevents mast from falling down abruptly when oil pipes cut off.
- Belly button prevents truck from hitting the 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. Detach rear panel by loosening only 2 screws for easy access.
- Self-Diagnostics signal on the digital display allows easy trouble-shooting.
- Easy Access of Hand Set.
- Low-voltage Cut-off Protection .

Electric Stacker 1.0t

ES10-10ESJ

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		ES10-10ESJ
1.3	Drive unit		Electric
1.4	Type of operation		pedestrian
1.5	Rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance, centre of drive axle to fork	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)		kg
2.2	Axle loading, laden driving side/loading side		kg
2.3	Axle loading, unladen driving side/loading side		kg
Dimensions			
3.1	Tyre type Driving wheels/Loading wheels		PU/ PU
3.2	Tyre size, driving wheels (diameter×width)	mm	Φ210×70
3.3	Tyre size, loading wheels (diameter×width)	mm	Φ80×60
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
3.7	Track width,rear,loading side	b ₁₁	mm
Dimensions			
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°
4.2	Height, mast lowered	h ₁	mm
4.3	Free lift	h ₂	mm
4.4	Lift height	h ₃	mm
4.5	Height, mast extended	h ₄	mm
4.6	Initial lift	h ₅	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.10	Height of wheel arms	h ₈	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁	mm
4.22	Fork dimensions	s/ e/ l	mm
4.24	Fork carriage width	b ₃	mm
4.25	Distance between fork-arms	b ₅	mm
4.26	Distance between wheel arms	b ₄	mm
4.31	Ground clearance, laden, below mast	m ₁	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	3.5/4
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 20	V/ Ah	2x12/85
6.5	Battery weight	kg	2x25
Addition data			
8.1	Type of drive unit		DC
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.



ES08-WAi Nomo Mast / ES10-10W Ai

Electric Stacker With Initial Lift 0.8/1.0t

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

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.



Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse button protects the operator from getting hurt.
- Emergency disconnecter 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 loosening 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.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 0.8t

ES08-WAi

Nomo Mast

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		ES08-WAi
1.3	Drive unit		Electric
1.4	Type of operation		pedestrian
1.5	Rated capacity	Q	kg
	Support arm capacity/fork and support arm capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance , centre of drive axle to fork	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)		kg
2.2	Axle loading, laden driving side/loading side		kg
2.3	Axle loading, unladen driving side/loading side		kg
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
3.7	Track width,rear,loading side	b ₁₁	mm
Dimensions			
4.2	Height, mast lowered	h ₁	mm
4.3	Free lift	h ₂	mm
4.4	Lift	h ₃	mm
	Lift height	h ₂₃	mm
4.5	Height, mast extended	h ₄	mm
4.6	Initial lift	h ₅	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁ / b ₂	mm
4.22	Fork dimensions	s/ e/ l	mm
4.24	Fork carriage width	b ₃	mm
4.25	Distance between fork-arms	b ₅	mm
4.31	Ground clearance, laden, below mast	m ₁	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	5/5.5
5.2	Lifting speed, laden/ unladen	m/ s	0.14/0.2
5.3	Lowering speed, laden/ unladen	m/ s	0.2/0.13
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	2.2
6.3	The maximum allowed size battery	mm	260x260x180
6.4	Battery voltage/nominal capacity K20	V/ Ah	4x6v/224
6.5	Battery weight	kg	4x30
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.

Electric Stacker 1.0t

ES10-10W Ai

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		ES10-10W Ai
1.3	Drive unit		Electric
1.4	Type of operation		Pedestrian
1.5	Rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance, centre of drive axle to fork	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)	kg	920
2.2	Axle loading, laden driving side/loading side	kg	705/1215
2.3	Axle loading, unladen driving side/loading side	kg	635/285
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
3.7	Track width, rear, loading side	b ₁₁	mm
Dimensions			
4.2	Height, mast lowered	h ₁	mm
4.3	Free lift	h ₂	mm
4.4	Lift height	h ₃	mm
4.5	Height, mast extended	h ₄	mm
4.6	Initial lift	h ₅	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁	mm
4.22	Fork dimensions	s/ e/ l	mm
4.24	Fork carriage width	b ₃	mm
4.25	Distance between fork-arms	b ₅	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	5/5.5
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	24/160
6.5	Battery weight	kg	165
Addition data			
8.1	Type of drive unit		AC
10.5	Steering type		Mechanical 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.



ES12-12MMi

Nomo Mast Electric Stacker With Initial Lift 1.2t

- Carrying Two Pallets at A Time Doubles Working Efficiency;
- Long & Aside Tiller Design Makes Operations Easy and Safe;
- Special designed four-bar linkage mechanism

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

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;
- C shape mast channel mast improves the strength of the whole truck;
- Dual pallets lifting doubles working efficiency.



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;
- Aside positioned long tiller make operator stay safe distance away from truck body.

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.

Nomo Mast Electric Stacker With Initial Lift 1.2t ES12-12MMi

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		ES12-12MMi
1.3	Drive unit		Electric
1.4	Operator type		pedestrian
1.5	rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance , centre of drive axle to fork	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)		kg
2.2	Axle loading, laden driving side/loading side		kg
2.3	Axle loading, unladen driving side/loading side		kg
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	Ø80×60
3.4	Tyre size, caster wheels (diameter×width)	mm	Ø130×55
3.5	Wheels, number driving , caster/loading (x=drive wheels)	mm	1x +1/4
3.6	Track width, front,driving side	b ₁₀	mm
3.7	Track width, rear,loading side	b ₁₁	mm
Dimensions			
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°
4.2	Height, mast lowered	h ₁	mm
4.3	Free lift	h ₂	mm
4.4	Lift height	h ₃	mm
4.5	Height, mast extended	h ₄	mm
4.6	Initial lift	h ₅	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.10	Height of wheel arms	h ₈	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁	mm
4.22	Fork dimensions	s/ e/ l	mm
4.24	Fork carriage width	b ₃	mm
4.25	Distance between fork-arms	b ₅	mm
4.26	Distance between wheel arms	b ₄	mm
4.31	Ground clearance, laden, below mast	m ₁	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	4,5/4,5
5.2	Lifting speed, laden/ unladen	m/ s	0.10/0.14
5.3	Lowering speed, laden/ unladen	m/ s	0.10/0.07
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	300x180x230
6.4	Battery voltage/nominal capacity K20	V/ Ah	2x12/85
6.5	Battery weight	kg	2x25
Addition data			
8.1	Type of drive unit		DC
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.



ES15-15ES

Electric Stacker 1.5t

- 1.5 Ton electric walkie stacker with smallest turning radius;
- High quality mast system meets international regulation;
- Professional cylinder & chain layout provides clear view;
- Maintenance free battery and on board charger

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

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 components.
- H shape 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 disconnecter 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:

- Ergonomic tiller bounded with key switch, BDI and trouble shooting indicator enhances easy and accurate operation.
- Long tiller offers easier operation.
- 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.
- Vertical motor makes the inspection & service much more convenient.
- Easy Access of Hand Set.
- Low-voltage Cut-off Protection.

Electric Stacker 1.5t

ES15-15ES

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		ES15-15ES
1.3	Drive unit		Electric
1.4	Operator type		Pedestrian
1.5	rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance , centre of drive axle to fork	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)	kg	755
2.2	Axle loading, laden driving side/loading side	kg	805/1450
2.3	Axle loading, unladen driving side/loading side	kg	545/210
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	Φ80×60
3.4	Tyre size, caster wheels (diameter×width)	mm	Φ130×55
3.5	Wheels, number driving , caster/loading (x=drive wheels)	mm	1x +2/4
3.6	Track width, front,driving side	b ₁₀	mm
3.7	Track width,rear,loading side	b ₁₁	mm
Dimensions			
4.2	Height, mast lowered	h ₁	mm
4.4	Lift height	h ₃	mm
4.5	Height, mast extended	h ₄	mm
4.9	Height drawbar in driving position min./max.	h ₁₄	mm
4.15	Lowered height	h ₁₃	mm
4.19	Overall length	l ₁	mm
4.20	Length to face of forks	l ₂	mm
4.21	Overall width	b ₁	mm
4.22	Fork dimensions	s/ e/ l	mm
4.24	Fork carriage width	b ₃	mm
4.25	Distance between fork-arms	b ₅	mm
4.32	Ground clearance, center of wheelbase	m ₂	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	5.0/5.5
5.2	Lifting speed, laden/ unladen	m/ s	0.13/0.2
5.3	Lowering speed, laden/ unladen	m/ s	0.13/0.13
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	3
6.3	The maximum allowed size battery	mm	330x190x240
6.4	Battery voltage/nominal capacity K20	V/ Ah	24/125
6.5	Battery weight	kg	60
Addition data			
8.1	Type of drive unit		AC
10.5	Steering type		Machanical
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.