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



# 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





And BEFORE:1HOUR Replacement NOW:10MINUTES

#### ■ Innovation:

1st Innovative Design Ever won the REDDOT award.



# ■ Light Weight, Great Capacity, Great Passingability:

Light weight & compact size create excellent manuverability & 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

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	uishing mark			ED.
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	С	mm	600
1.8	Load distance	Х	mm	889/946
1.9	Wheelbase	у	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
	Chassis			
3.1	Tyre type driving wheels/loading wheels			PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ф210х70
3.3	Tyre size, loading wheels (diameter×width)		mm	2x Φ80x60 (Φ74x88)
3.4	Tyre size, caster wheels (diameter×width)		mm	1
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	1
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	410 (535)
Dimens				
4.4	Lift height	h <sub>3</sub>	mm	115
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	750/1170
4.15	Lowered height	h <sub>13</sub>	mm	85 (75)
4.19	Overall length	I <sub>1</sub>	mm	1632
4.20	Length to face of forks	l <sub>2</sub>	mm	482
4.21	Overall width	$b_1/b_2$	mm	560 (685)
4.22	Fork dimensions	s/ e/ I	mm	50/150/1150
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560 (685)
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	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
Perform	nance 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
	Battery weight		kg	25.5x2
6.5				
6.5 Addition	n data			
	n data Type of drive control			DC
Addition				DC Mechanical

<sup>1.</sup>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

#### ■ Patented Design:

Ergonomic tiller bounded with key switch, BDI and troubleshooting 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.

### ■ Emergency Switch:

Upgraded emergency switch ensures safety.

#### ■ Optimized Harness Layout:

Optimized wire harness layout lowers twist failure rate.

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

# Cover for Driving Wheel:



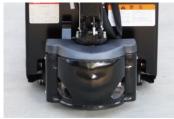
#### Charger:

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

■ Front Detachable Battery Cover:

Innovative Design, Easy for

Battery Replacement.









# Electric Pallet Truck 1.5t EPT20-15ET2

	ishing 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	1500
1.6	Load center distance	С	mm	600
1.8	Load distance	X	mm	889/946
1.9	Wheelbase	у	mm	1261/1205
Weight				
2.1	Service weight (include battery)		kg	195
2.2	Axle loading, laden driving side/loading side		kg	565/1130
2.3	Axle loading, unladen driving side/loading side		kg	155/40
3.1	Tyre type driving wheels/loading wheels			PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ф210х70
3.3	Tyre size, loading wheels (diameter×width)		mm	2x Φ78x60 (Φ78x88)
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 <sub>10</sub>	mm	
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	410 (535)
Dimens				
4.4	Lift height	h <sub>3</sub>	mm	115
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	790/1225
4.15	Lowered height	h <sub>13</sub>	mm	80
4.19	Overall length	I <sub>1</sub>	mm	1638
4.20	Length to face of forks	I <sub>2</sub>	mm	488
4.21	Overall width	b₁/ b₂	mm	568 (685)
4.22	Fork dimensions	s/ e/ I	mm	50/150/1150
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560 (685)
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30
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
	ance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h	4/4.5
5.2	Lifting speed, laden/ unladen		m/ s	0.029/0.038
5.3	Lowering speed, laden/ unladen		m/ s	0.046/0.033
5.8	Max. gradeability, laden/unladen			2/6
5.10	Service brake type			Electromagnetic
Electric				
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	****
6.4	Battery voltage/nominal capacity K20			24/65
6.5	Battery weight		kg	22.5x2
Addition				
8.1	Type of drive control			DC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

<sup>1.</sup> The parameters in the table are of the standard model. For more information, please contact us.

<sup>2.</sup> The parameters are subject to change without notice.



# EPT20-15EHJ

Semi Electric Truck 1.5t

■ New Choice of Entry-level Electric Pallet Truck

#### 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.

#### Opeartion:

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

<u> </u>				
	ishing 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	С	mm	600
1.8	Load distance	X	mm	883/946
1.9	Wheelbase	у	mm	1152/1215
Weight				440
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,C				PUPU
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	41.74
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x /4
3.6	Track width, front,driving side	b 10	mm	440 (505)
3.7	Track width,rear,loading side	b 11	mm	410 (535)
Dimens		L.		445
4.4	Lift height	h <sub>3</sub>	mm	115
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	715/1280
4.15	Lowered height	h <sub>13</sub>	mm	85(75)
4.19	Overall length	l <sub>1</sub>	mm	1588
4.2	Length to face of forks	l <sub>2</sub>	mm	438
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	560(685)
4.22	Fork dimensions	s/ e/ l	mm	50/150/1150
4.25	Distance between fork-arms	<b>b</b> <sub>5</sub>	mm	560/685
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	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 Wa	mm	1869
4.35	Turning radius	vva	mm	1415
	ance data	leas ( le	lves (ls	0.54
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 5.1	Max. gradeability, laden/unladen			2/6
Electric	Service brake type			Electromagnetic
6.1			kW	0.65
6.2	Drive motor rating S2 60 min  Lift motor rating at S3 15%		kW	0.65  Manual Lifting
6.3	The maximum allowed size battery		mm	Manual Litting 185/125/190
6.4	•		IIIIII	24/30
6.5	Battery voltage/nominal capacity K20		ka	9.5*2
Addition	Battery weight		kg	9.0 2
				DC
8.1	Type of drive control			
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

<sup>1.</sup>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

- 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

#### 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
- By simply pressing emergency disconnector, power supply will be immediately interrupted.
- Multi lifting limited switch ensures travel
- 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
- 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

1.1	uishing mark  Manufacturer			EP	EP	EP
.2	Model designation			ES10-10MM	ES10-22MM	ES10-10ES
1.3	Drive unit			Electric	Electric	Electric
1.4	Type of operation			pedestrian	pedestrian	pedestrian
1.5	Rated capacity	Q	kg	1000	1000	1000
1.6	Load center distance	С	mm	600	600	600
1.8	Load distance, centre of drive axle to fork	X	mm	805	850	795
1.9	Wheelbase	у	mm	1126	1210	1240
Weight		,				
2.1	Service weight (include battery)		kg	462	543	540
2.2	Axle loading, laden driving side/loading side		kg	641/821	683/860	640/852
2.3	Axle loading, unladen driving side/loading side		kg	343/119	420/123	419/121
	Chassis		3			
3.1	Tyre type Driving wheels/Loading wheels			PU/ PU	PU/ PU	PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ф210х70	Ф210х70	Ø210×70
3.3	Tyre size, loading wheels (diameter×width)		mm	Ф80х60	Ф100x50	Ø80×60
3.4	Tyre size, caster wheels (diameter width)		mm	Ф130x55	Ф100x50	Ø130×55
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+ 1/ 4	1x+ 1/ 4	1x +1/4
3.6	Track width, front, driving side	b <sub>10</sub>	mm	533	533	533
3.7	Track width, rear, loading side	b <sub>11</sub>	mm	380	1060/1160/ 1260 /1360	400
Dimens		- 11		-50		
4.1	Tilt of mast/fork carriage forward/backward	α/ β	0		1	/
4.2	Height, mast lowered	h <sub>1</sub>	mm	1940	1940	2022
4.3	Free lift	h <sub>2</sub>	mm	1505	1407	/
4.4	Lift height	h <sub>3</sub>	mm	1520	1520	2930
4.5	Height, mast extended	h₄	mm	1955	2053	3487
4.6	Initial lift	h <sub>s</sub>	mm	/	/	/
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	860/ 1200	860/ 1200	860/ 1200
4.10	Height of wheel arms	h <sub>8</sub>	mm	/	100	/
4.15	Lowered height	h <sub>13</sub>	mm	88	60	88
4.19	Overall length	I <sub>1</sub>	mm	1615	1570	1740
4.20	Length to face of forks	I <sub>2</sub>	mm	465	500	590
1.21	Overall width	b <sub>1</sub>	mm	800	1135/1235/ 1335 /1435	800
4.22	Fork dimensions	s/ e/ I	mm	60/ 170/ 1150	35/ 100/ 1070	55/160/1150
4.24	Fork carriage width	b <sub>3</sub>	mm	680	780	600
4.25	Distance between fork-arms	b <sub>5</sub>	mm	550	200~765	560
1.26	Distance between wheel arms	b4	mm	1	100	/
4.31	Ground clearance, laden, below mast	m₁	mm	1	1	,
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30	40	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2137	2175	2225
	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2062	2100	2150
4.35	Turning radius	Wa	mm	1295	1329	1408
	nance data			.200		
5.1	Travel speed, laden/ unladen		km/ h	3.5/4	3.5/4	3.5/4
5.2	Lifting speed, laden/ unladen		m/ s	0.12/ 0.22	0.12/ 0.22	0.12/0.22
5.3	Lowering speed, laden/ unladen		m/ s	0.12/ 0.11	0.12/ 0.11	0.12/0.11
5.8	Max. gradeability, laden/unladen		%	3/ 10	3/ 10	3/10
5.10	Service brake type		70	Electromagnetic	Electromagnetic	Electromagnet
	-engine					
5.1	Drive motor rating S2 60 min		kW	0.65	0.65	0.65
5.2	Lift motor rating at S3 15%		kW	2.2	2.2	2.2
5.3	The maximum allowed size battery		mm	270x180x230	270x180x230	325x180x230
5.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85	2x12/85	2x12/105
5. <del>4</del> 6.5	Battery weight		kg	2x25	2x25	2x12/103
Additio			n'y	2,72,0	2,20	2,50
	Type of drive unit			DC	DC	DC
2 1				DC	DC	DC
8.1 10.5	Steering type			Mechanical	Mechanical	Mechanical

<sup>1.</sup> The parameters in the table are of the standard model. For more information, please contact us.

<sup>2.</sup> The parameters are subject to change without notice.

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         3.5/4           0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22           0.12/0.11         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         3/ 10         5/ 10           Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic <th></th> <th></th> <th></th> <th></th> <th></th>					
Electric         Electric         Electric         Electric         Electric           pedestrian         pedestrian         pedestrian         pedestrian           1000         1200         1200         1200         1200           600         600         600         600         600         600           845         885         850         795         645           1290         1126         1210         1240         1290           625         462         543         661         676           720905         741921         783960         8451016         837/1039           4971/28         343/119         420 / 123         586125         549 / 127           PUPU	EP	EP	EP	EP	EP
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           720995         741921         783990         845f1016         837/1039           497/128         343/119         420 / 123         536f125         549 / 127           PUPU         PUP	ES10-22DM	ES12-12MM	ES12-25MM	ES12-12ES	ES12-25DM
1000	Electric	Electric	Electric	Electric	Electric
1000	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
845         805         850         795         845           1290         1126         1210         1240         1290           625         462         543         661         676           720905         741/921         783/960         845/1016         837/1039           497/128         343/119         420 / 123         556/125         549 / 127           PU/PU         PU/PU         PU/PU         PU/PU         PU/PU         PU/PU           0100-50         490x60         400x50         690x60         210x70         6210x70           0100x50         490x60         400x50         690x60         210x70         6100x50           0100x50         490x60         400x50         690x60         2100x50           1x +1/4         1x + 1/4         1x + 1/4 <t< td=""><td>1000</td><td>1200</td><td>1200</td><td></td><td>1200</td></t<>	1000	1200	1200		1200
1290         1126         1210         1240         1290           625         462         543         661         676           720/905         741/921         783/960         845/1016         837/1039           4971/28         343/119         420 / 123         556/125         549 / 127           PU/PU         PU/PU         PU/PU         PU/PU         PU/PU         PU/PU         PU/PU           0210×70         Φ210×70         Φ210×70         Ø210×70	600	600	600	600	600
1290         1126         1210         1240         1290           625         462         543         661         676           720/905         741/921         783/960         845/1016         837/1039           4971/28         343/119         420 / 123         556/125         549 / 127           PU/PU         PU/PU         PU/PU         PU/PU         PU/PU         PU/PU         PU/PU           0210×70         Φ210×70         Φ210×70         Ø210×70	845			795	
625         462         543         661         676           720/905         74/921         783/960         845/1016         837/1039           497/128         343/119         420 / 123         536/125         549 / 127           PU/PU	1290			1240	
720/905         741/921         783/960         845/1016         837/1039           497/128         343/119         420 / 123         536/125         549 / 127           PU/PU         PU/					
497/128         343/119         420 / 123         536/125         549 / 127           PU/PU	625	462	543	661	676
PU/PU         PU/PU <th< td=""><td>720/905</td><td>741/921</td><td>783/960</td><td>845/1016</td><td>837/1039</td></th<>	720/905	741/921	783/960	845/1016	837/1039
Ø210×70         Φ210×70         Φ210×70         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           1080/1160/ 1260 /1360         380         1060/1160/ 1260 /1360         400         1080/1160/ 1260 /1360           /         /         /         /         /         /         /         /           /         /         /         /         /         /         /         /           2053         1940         1940         2052         2083         /	497/128	343/119	420 / 123	536/125	549 / 127
Ø210×70         Φ210×70         Φ210×70         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           1080/1160/ 1260 /1360         380         1060/1160/ 1260 /1360         400         1080/1160/ 1260 /1360           /         /         /         /         /         /         /         /           /         /         /         /         /         /         /         /           2053         1940         1940         2052         2083         /					
## BOUNESO	PU/PU	PU/ PU	PU/ PU	PU/PU	PU/PU
Ø100×50         Φ130×55         Φ100×50         Ø130×55         Ø100×50           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         .         /	Ø210×70	Ф210x70	Ф210х70	Ø210×70	Ø210×70
1x+1/4         1x+1/4<	Ø100×50	Ф80х60	Ф100х50	Ø80×60	Ø100×50
533         533         533         533         533         533           1060/1180/ 1260 /1360         380         1060/1160/ 1260 /1360         400         1060/1160/ 1260 /1360           I	Ø100×50	Ф130x55	Ф100х50	Ø130×55	Ø100×50
1060/1160/ 1260 /1360   380   1060/1160/ 1260 /1360   400   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260 /1360   1060/1160/ 1260   1060/1160/ 1260   1060/1160/ 1260   1060/1160/ 1260   1060/1160/ 1260   1060/ 1260   1060/1160/ 1260   1060/1160/ 1260   1060/1160/ 1260   1060/	1x +1/4	1x+ 1/ 4	1x+ 1/ 4	1x +1/4	1x +1/4
	533	533	533	533	533
2053         1940         1940         2052         2083           /         1505         1407         /         /           2930         1520         1520         2930         2930           3895         1955         2053         3487         3895           /         /         /         /         /         /         /           860/1200 <td>1060/1160/ 1260 /1360</td> <td>380</td> <td>1060/1160/ 1260 /1360</td> <td>400</td> <td>1060/1160/ 1260 /1360</td>	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 <td></td> <td></td> <td></td> <td></td> <td></td>					
1505   1407	1	1	1	1	1
2930         1520         1520         2930         2930           3895         1955         2053         3487         3895           / <t< td=""><td>2053</td><td>1940</td><td>1940</td><td>2052</td><td>2083</td></t<>	2053	1940	1940	2052	2083
3895         1955         2053         3487         3895           /	1	1505	1407	1	1
	2930	1520	1520	2930	2930
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         /         /         /         /         /           40         30         40         30         40         30         40         2255	3895	1955	2053	3487	3895
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         /         /         /         /         /           40         30         40         30         40         20-765         20-765         2255         <	1	1	1	1	1
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         /         /         /         /         /           40         30         40         30         40         30         40           2255         2137         2175         2225         2255         2255         2180         1404         1404         1295         1329         1408         1404         1404         1404         1295         1329         1408         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404         1404	860/ 1200	860/ 1200	860/ 1200	860/ 1200	860/ 1200
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         /         /         /         /         /           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         0.12/0.11         0.12/0.11         0.12/0.11         0.12/0.11	100	1	100	1	1
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         0.12/0.11           3/10         3/10         3/10         3/10         3/10         3/10           Electromagnetic         Electromagnetic         Electromagnetic         Electroma	60	88	60	88	60
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         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11         0.12/ 0.11	1650	1615	1570	1740	1650
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         3.5/4           0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22         0.12/0.22           0.12/0.11         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         3/ 10         5/ 10           Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic <td>580</td> <td>465</td> <td>500</td> <td>590</td> <td>580</td>	580	465	500	590	580
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         0.12/0.11         0.12/0.11         3/10         3/10         3/10         3/10         5/10         Electromagnetic         Electro	1135/1235/ 1335 /1435	800	1135/1235/ 1335 /1435	800	1135/1235/ 1335 /1435
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         0.12/0.11         3/10         3/10         3/10         3/10         5/10	35/ 100/ 1070	60/ 170/ 1150	35/ 100/ 1070	60/ 170/ 1150	35/ 100/ 1070
100         /         100         /         100           /         1         /         /         100           /         1         /         /         /           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           0.65         0.65         0.65         0.65           2.2         2.2         2.2         2.2           325x180x230         270x180x230         270x180x230         325x180x230         325x180x230           2x12/105         2x12/105         2x12/105	800	680	780	680	800
/         /         /         /         /         /           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         0.12/0.11         3/10         3/10         3/10         3/10         3/10         5/10	200~765	550	200~765	570	200~765
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         0.12/0.11         3/10         3/10         3/10         3/10         3/10         5/10	100	1	100	1	100
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         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         Electromagnetic         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         325x180x230         325x180x230         325x180x230         325x180x230         325x180x230         2x12/105         2x12/105         2x12/105         2x12/105         2x12/105         2x12/105	1	1	1	1	1
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         Electromagnetic         Electromagnetic         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         325x180x230         325x180x230         325x180x230         325x180x230         325x180x230         2x12/105         2x12/105         2x12/105         2x12/105         2x12/105         2x12/105	40	30	40	30	40
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       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	2255	2137	2175	2225	2255
3.5/4 3.5/4 3.5/4 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 0.12/0.11  3/10 3/ 10 3/ 10 3/ 10 3/ 10 3/ 10 3/ 10  Electromagnetic Electromagnetic Electromagnetic Electromagnetic  0.65 0.65 0.65 0.65 0.65 0.65  2.2 2.2 2.2 2.2 2.2 2.2  325x180x230 270x180x230 270x180x230 325x180x230  2x12/105 2x12/85 2x12/85 2x12/105 2x12/105	2180	2062	2100	2150	2180
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           0.65         0.65         0.65         0.65           2.2         2.2         2.2         2.2           325x180x230         270x180x230         270x180x230         325x180x230         325x180x230           2x12/105         2x12/85         2x12/85         2x12/105         2x12/105	1404	1295	1329	1408	1404
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           0.65         0.65         0.65         0.65           2.2         2.2         2.2         2.2           325x180x230         270x180x230         270x180x230         325x180x230         325x180x230           2x12/105         2x12/85         2x12/85         2x12/105         2x12/105					
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         0.65           2.2         2.2         2.2         2.2         2.2         2.2           325x180x230         270x180x230         270x180x230         325x180x230         325x180x230         325x180x230           2x12/105         2x12/85         2x12/85         2x12/105         2x12/105         2x12/105	3.5/4	3.5/4	3.5/4	3.5/4	3.5/4
3/10         3/ 10         4/ 10	0.12/0.22	0.12/ 0.22	0.12/ 0.22	0.12/0.22	0.12/0.22
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	0.12/0.11	0.12/ 0.11	0.12/ 0.11	0.12/0.11	0.12/0.11
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	3/10	3/ 10	3/ 10	3/10	3/10
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	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
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					
325x180x230         270x180x230         270x180x230         325x180x230         325x180x230           2x12/105         2x12/85         2x12/85         2x12/105         2x12/105					
2x12/105 2x12/85 2x12/85 2x12/105 2x12/105		2.2			2.2
	325x180x230	270x180x230	270x180x230	325x180x230	325x180x230
	2x12/105	2x12/85	2x12/85	2x12/105	2x12/105
2x30         2x25         2x25         2x30         2x30	2x30	2x25	2x25	2x30	2x30
DC DC DC DC					
Mechanical Mechanical Mechanical Mechanical Mechanical					
74 74 74 74 74	74	74	74	74	74



ES10-10ESJ

Electric Stacker 1.0t

■ New Choice of Entry-level Electric Stacker

#### 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 disconnector, 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.
- Tiller with long affilion smooth steeling.
   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 loosing 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

LJ	10-10L33			
Distingu				
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	1000
1.6	Load center distance	С	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	795
1.9	Wheelbase	у	mm	1240
2.1	Service weight (include battery)		kg	511
2.2	Axle loading, laden driving side/loading side		kg	653/858
2.3	Axle loading, unladen driving side/loading side		kg	386/125
Dimensi				
3.1	Tyre type Driving wheels/Loading wheels			PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ф210х70
3.3	Tyre size, loading wheels (diameter×width)		mm	Ф80х60
3.4	Tyre size, caster wheels (diameter×width)		mm	Ф130х55
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+ 1/ 4
3.6	Track width, front, driving side	b <sub>10</sub>	mm	533
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	400
Dimensi	-			
4.1	Tilt of mast/fork carriage forward/backward	α/ β	0	/
4.2	Height, mast lowered	h <sub>1</sub>	mm	2022
4.3	Free lift	h <sub>2</sub>	mm	/
4.4	Lift height	h <sub>3</sub>	mm	2930
4.5	Height, mast extended	h <sub>4</sub>	mm	3487
4.6	Initial lift	h <sub>5</sub>	mm	/
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	860/ 1200
4.10	Height of wheel arms	h <sub>8</sub>	mm	/
4.15	Lowered height	h <sub>13</sub>	mm	88
4.19	Overall length	I <sub>1</sub>	mm	1740
4.20	Length to face of forks		mm	590
4.21	Overall width	b <sub>1</sub>	mm	800
4.22	Fork dimensions	s/ e/ I	mm	55/160/1150
4.24	Fork carriage width	b <sub>3</sub>	mm	600
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560
4.26	Distance between wheel arms	b4	mm	/
4.31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	/
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2225
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2150
4.35	Turning radius	Wa	mm	1408
	ance data	***		1700
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/ 0.22
5.8	Max. gradeability, laden/unladen		%	3/ 10
5.10	Service brake type		70	Electromagnetic
Electric-	**			
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	•		V/ Ah	2x12/85
	Battery voltage/nominal capacity 20			
6.5 Addition	Battery weight		kg	2x25
				DC
8.1	Type of drive unit			DC Machanian
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74
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<sup>1.</sup> 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.



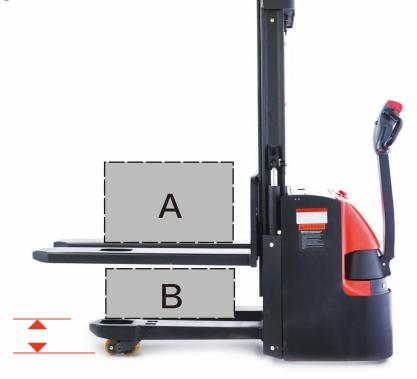
# ESO8-WAi Nomo Mast / ES 10-10WAi Electric Stacker With Initial Lift 0.8/1.0t

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



#### 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 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 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

D: 15				
	Manufacturer			- FD
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	800
	Support arm capacity/fork and support arm capacity	Q	kg	2000
1.6	Load center distance	С	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	813
1.9	Wheelbase	у	mm	1275
Weight				
2.1	Service weight (include battery)		kg	660
2.2	Axle loading, laden driving side/loading side		kg	570/890
2.3	Axle loading, unladen driving side/loading side		kg	450/210
Types,C	Chassis			
3.1	Tyre type Driving wheels/Loading wheels			pu/pu
3.2	Tyre size, driving wheels (diameter×width)		mm	Ф230x75
3.3	Tyre size, loading wheels (diameter-width)		mm	Φ85x70
3.4	Tyre size, caster wheels (diameter×width)		mm	Ф85x48
3.4 3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	Ψοσχ4ο 1 x +2 / 4
		L		
3.6	Track width, front, driving side	b <sub>10</sub>	mm	505
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	366
Dimens				
4.2	Height, mast lowered	h,	mm	1860
4.3	Free lift	h <sub>2</sub>	mm	1410
4.4	Lift	h <sub>3</sub>	mm	1480
	Lift height	h <sub>23</sub>	mm	1580
4.5	Height, mast extended	h₄	mm	1895
4.6	Initial lift	h <sub>5</sub>	mm	120
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	715 / 1200
4.15	Lowered height	h <sub>13</sub>	mm	95
4.19	Overall length	I <sub>1</sub>	mm	1776
4.20	Length to face of forks		mm	666
4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm	738/710
4.22	Fork dimensions	s/ e/ I	mm	60/190/1150
4.24	Fork carriage width	b <sub>3</sub>	mm	680
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560
4.31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	30
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	28
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2274
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2198
4.35		Wa		1442
	Turning radius	vva	mm	1442
	nance data			S.E. S.
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
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
Additior				
8.1	Type of drive unit			AC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74
The	norameters in the table are of the standard model. For m			

<sup>1.</sup> The parameters in the table are of the standard model. For more information, please contact us.

<sup>2.</sup> The parameters are subject to change without notice.

# Electric Stacker 1.0t ES10-10WAi

Distingu	ishing mark			
1.1	Manufacturer			EP
1.2	Model designation			ES10-10WAi
.3	Drive unit			Electric
.4	Type of operation			Pedestrian
.5	Rated capacity	Q	kg	1000
1.6	Load center distance	С	mm	600
1.8	Load distance, centre of drive axle to fork	Х	mm	701
1.9	Wheelbase	у	mm	1275
Veight				
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
Гуреs,С	Chassis			
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
.2	Tyre size, driving wheels (diameter×width)		mm	Ф230×75
3.3	Tyre size, loading wheels (diameter×width)		mm	Ф85×70
3.4	Tyre size, caster wheels (diameter×width)		mm	Ф130×55
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x +1/4
3.6	Track width, front, driving side	b <sub>10</sub>	mm	538
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	370
Dimens	ions			
.2	Height, mast lowered	h <sub>1</sub>	mm	1970
.3	Free lift	h <sub>2</sub>	mm	100
.4	Lift height	h <sub>3</sub>	mm	2930
.5	Height, mast extended	h₄	mm	3529
.6	Initial lift	h₅	mm	120
.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	715/1200
.15	Lowered height	h <sub>13</sub>	mm	95
1.19	Overall length	I <sub>1</sub>	mm	1847
1.20	Length to face of forks		mm	697
1.21	Overall width	b <sub>1</sub>	mm	800
1.22	Fork dimensions	s/ e/ I	mm	60×190×1150
1.24	Fork carriage width	b <sub>3</sub>	mm	680
.25	Distance between fork-arms	b <sub>5</sub>	mm	560
.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30
.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2378
.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2350
.35	Turning radius	Wa	mm	1510
	ance data			
5.1	Travel speed, laden/ unladen		km/ h	5/5.5
.2	Lifting speed, laden/ unladen		m/ s	0.11/0.16
i.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
	engine			····
.1	Drive motor rating S2 60 min		kW	1.1
.2	Lift motor rating at S3 15%		kW	2.2
.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	, ,		•••	
.1	Type of drive unit			AC
0.5	Steering type			Machanical Steering
0.7	Sound pressure level at the driver's ear		dB (A)	74

<sup>1.</sup>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







- 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 disconnector, 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
- 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

	121411411			
	uishing 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	1200
1.6	Load center distance	С	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	805
1.9	Wheelbase	у	mm	1260
2.1	Service weight (include battery)		kg	520
2.2	Axle loading, laden driving side/loading side		kg	560/1160
2.3	Axle loading, unladen driving side/loading side		kg	350/170
Types,0	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 <sub>10</sub>	mm	533
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	370
Dimens		511		5,0
4.1	Tilt of mast/fork carriage forward/backward	α/ β	•	
4.2	Height, mast lowered		mm	1940
4.3	Free lift	h,		1480
		h <sub>2</sub>	mm	
4.4	Lift height	h <sub>3</sub>	mm	1520
4.5	Height, mast extended	h₄	mm	2090
4.6	Initial lift	h <sub>5</sub>	mm	115
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	860/ 1200
4.10	Height of wheel arms	h <sub>s</sub>	mm	
4.15	Lowered height	h <sub>13</sub>	mm	95
4.19	Overall length	I <sub>1</sub>	mm	1750
4.20	Length to face of forks	$I_2$	mm	600
4.21	Overall width	b,	mm	796
4.22	Fork dimensions	s/ e/ I	mm	60/190/1150
4.24	Fork carriage width	b <sub>3</sub>	mm	680
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560
4.26	Distance between wheel arms	b4	mm	
4.31	Ground clearance, laden, below mast	m 1	mm	
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	26
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2340
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2260
4.35	Turning radius	Wa	mm	1500
	nance 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
			/0	
5.10	Service brake type			Electromagnetic
	-engine		12/4/	0.05
5.1	Drive motor rating S2 60 min		kW	0.65
5.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	300x180x230
5.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85
3.5	Battery weight		kg	2x25
3.1	Type of drive unit			DC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear			74

The parameters in the table are of the standard model. For more information please contact us.
 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

#### 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 disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures
- 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

Distingu	uishing mark			
1.1	Manufacturer			EP
1.2	Model designation			ES15-15ES
1.3	Drive unit			Electric
1.4	Operator type			Pedestrian
1.5		Q	ka	1500
1.6	rated capacity  Load center distance		kg	600
1.8		C	mm	805
1.9	Load distance, centre of drive axle to fork  Wheelbase	X	mm	1240
Weight	wheelbase	у	mm	1240
2.1	Service weight (include battery)		ka	755
2.1	· · · · · · · · · · · · · · · · · · ·		kg	805/1450
2.2	Axle loading, laden driving side/loading side  Axle loading, unladen driving side/loading side		kg	545/210
	<u> </u>		kg	343/210
Types,C				PU/PU
3.1	Tyre type Driving wheels/Loading wheels			
	Tyre size, driving wheels (diameter×width)		mm	Ф230×75
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ80×60 Φ130×55
3.4	Tyre size, caster wheels (diameter width)		mm	Ф130×55 1x +2/4
	Wheels, number driving, caster/loading (x=drive wheels)	<b>L</b>	mm	
3.6	Track width, front, driving side	b <sub>10</sub>	mm	538
	Track width,rear,loading side	b <sub>11</sub>	mm	400
Dimens				2420
4.2 4.4	Height, mast lowered	h <sub>1</sub>	mm	2128
	Lift height	h <sub>3</sub>	mm	3230
4.5	Height, mast extended	h <sub>4</sub>	mm	3743
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	1150/1480
4.15	Lowered height	h <sub>13</sub>	mm	88
4.19	Overall length	L <sub>1</sub>	mm	1720
4.20	Length to face of forks  Overall width	I <sub>2</sub>	mm	575 804
4.21 4.22		b <sub>1</sub>	mm	60×170×1150
	Fork dimensions	s/ e/ I	mm	
4.24	Fork carriage width	<b>b</b> <sub>3</sub>	mm	680
4.25	Distance between fork-arms	b <sub>5</sub>	mm	570
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	28
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2340
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2260
4.35	Turning radius	Wa	mm	1500
	nance data		Iran / In	E O/E E
5.1 5.2	Travel speed, laden/ unladen		km/ h	5.0/5.5
	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
	-engine		LAM	4.07
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				10
8.1	Type of drive unit			AC Machaniael
10.5	Steering type		JD (A)	Machanical
10.7	Sound pressure level at the driver's ear		dB (A)	74

<sup>1.</sup>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.