



**EPT20-20RA(S)**  
**EPT20-20RASH**  
**EPT20-25RA(S)**  
**EPT20-30RAS**

## **Electric Pallet Truck 2.0/2.5t/3.0t**

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



**CRANES - MACHINERY - PARTS**

**ALEXANDROS SPATHARAS COMPANY**  
**CRANES - MACHINERY - SPARE PARTS**

**41, Iasonidou Str.**

**GR-56334 Thessaloniki, GREECE**

**N. Kordelio - Eleftheria**

**Tel: +30 2310 709155**

**Fax: +30 2310 709989**

**[www.spatharas.eu](http://www.spatharas.eu)**

## 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.
- One-time formed fork, box type frame and adjustable linkage extends the life of undercarriage.
- Innovative Drive floating operation system(DFA) ensures the stability of the truck when steering at high speed.



### Safety

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



### Operation

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



### Maintenance

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



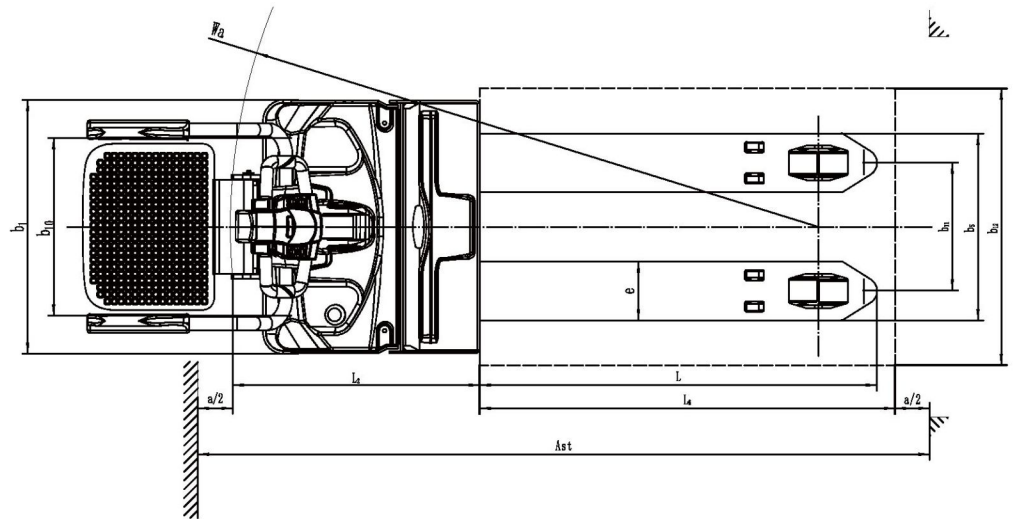
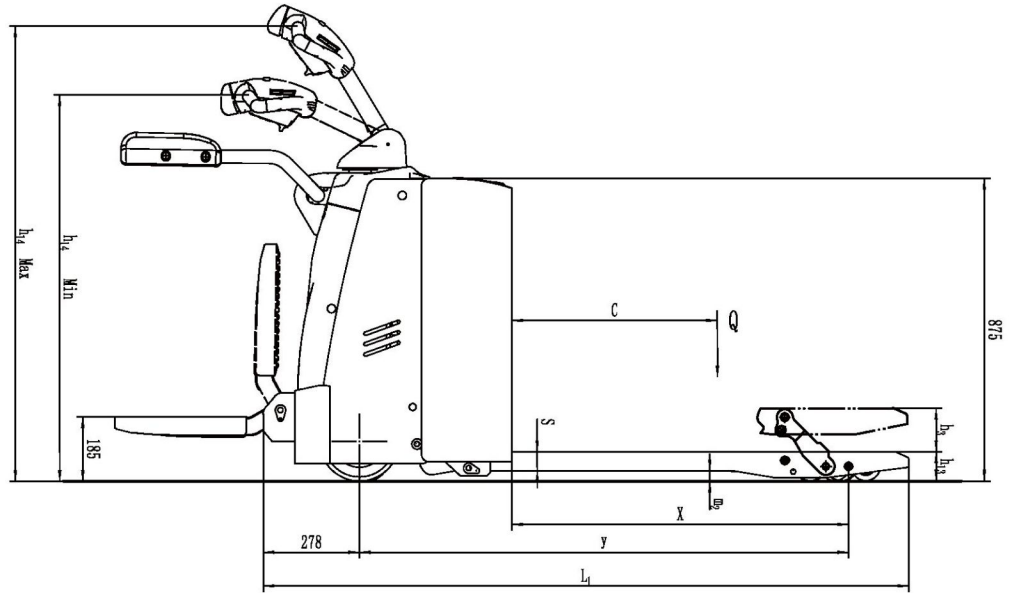
# Electric Pallet Truck 2.0/2.5t/3.0t EPT20-20RA(S) (H)/EPT20-25RA(S)/EPT20-30RAS

Distinguishing mark										
1.1	Manufacturer				EP		EP		EP	
1.2	Model designation				EPT20-20RA (S)		EPT20-20RASH		EPT20-25RA (S)	
1.3	Drive unit				Electrics		Electrics		Electrics	
1.4	Operator type				standing		standing		standing	
1.5	rated capacity	Q	kg		2000		2000		2500	
1.6	Load center distance	c	mm		600		600		600	
1.8	Load distance	x	mm		916 / 982	937 / 1003	916 / 982	937 / 1003	916 / 982	937 / 1003
1.9	Wheelbase	y	mm		1418	1438	1418	1438	1418	1438
Weight										
2.1	Service weight (include battery)		kg		670		690		690	
2.2	Axle loading, laden driving side/loading side		kg		1066 / 1604		1076 / 1614		1176 / 2014	
2.3	Axle loading, unladen driving side/loading side		kg		546 / 124		556 / 134		556 / 134	
Types, Chassis										
3.1	Tyre type driving wheels/loading wheels				Polyurethane / Polyurethane		Polyurethane / Polyurethane		Polyurethane / Polyurethane	
3.2	Tyre size, driving wheels (diameter×width)		mm		Φ230×75		Φ230×75		Φ230×75	
3.3	Tyre size, loading wheels (diameter×width)		mm		Φ85×70 / Φ83×115		Φ85×70 / Φ83×115		Φ85×70 / Φ83×115	
3.4	Tyre size, caster wheels (diameter×width)		mm		Φ130×60		Φ130×60		Φ130×60	
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm		1 x +2 / 4 / 1 x + 2 / 2		1 x +2 / 4 / 1 x + 2 / 2		1 x +2 / 4 / 1 x + 2 / 2	
3.6	Track width, front, driving side	b <sub>10</sub>	mm		510		510		510	
3.7	Track width, rear, loading side	b <sub>11</sub>	mm		370 / 430 / 515		370 / 430 / 515		370 / 430 / 515	
Dimensions										
4.4	Lift height	h <sub>8</sub>	mm		125		125		125	
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm		1150 / 1470		1150 / 1470		1150 / 1470	
4.15	Lowered height	h <sub>13</sub>	mm		85		85		85	
4.19	Overall length	l <sub>1</sub>	mm		1860	1930	1860	1930	1860	1930
4.20	Length to face of forks	l <sub>2</sub>	mm		710		710		710	
4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm		730		730		730	
4.22	Fork dimensions	s / e / l	mm		55 x 170 x 1150	55 x 170 x 1220	55 x 170 x 1150	55 x 170 x 1220	55 x 170 x 1150	55 x 170 x 1220
4.25	Distance between fork-arms	b <sub>3</sub>	mm		540 / 600 / 685		540 / 600 / 685		540 / 600 / 685	
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm		30		30		30	
4.34.1	Aisle width for pallets 1000 × 1200 crossways	A <sub>st</sub>	mm		1984		1984		1984	
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A <sub>st</sub>	mm		2184		2184		2184	
4.35	Turning radius	W <sub>a</sub>	mm		1700		1700		1700	
Performance data										
5.1	Travel speed, laden/ unladen	km/ h	km/h		5.5 / 6		9.0 / 12.0		5.5 / 6	
5.2	Lifting speed, laden/ unladen		m/ s		0.023 / 0.031		0.023 / 0.031		0.023 / 0.031	
5.3	Lowering speed, laden/ unladen		m/ s		0.043 / 0.032		0.043 / 0.032		0.043 / 0.032	
5.8	Max gradeability, laden/unladen		%		8 / 16		8 / 16		6 / 16	
5.10	Service brake type				Electromagnetic		Electromagnetic		Electromagnetic	
Electric engine										
6.1	Drive motor rating S2 60 min		KW		1.5		2.5		1.5	
6.2	Lift motor rating at S3 15%		KW		1		1		1	
6.3	The maximum allowed size battery		mm		660 x 205 x 660		660 x 205 x 660		660 x 205 x 660	
6.4	Battery voltage/nominal capacity K5		V/ Ah		24 / 210		24 / 210		24 / 210	
6.5	Battery weight		kg		190		190		190	
Addition data										
8.1	Type of drive control				AC		AC		AC	
10.5	Steering type				Mechanical/Electronic		Electronic		Mechanical/Electronic	
10.7	Sound pressure level at the driver's ear		dB (A)		74		74		74	

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

2.The parameters are subject to change without notice.

Distinguishing mark	
EP	
EPT20-30RAS	
Electrics	
standing	
3000	
600	
916 / 982	937 / 1003
1418	1438
Weight	
690	
1356 / 2334	
556 / 134	
Types, Chassis	
PU / PU	
Φ230x75	
Φ85x70 / Φ83x115	
Φ130x60	
1x + 2/4 / 1x + 2/2	
510	
370 / 430 / 515	
Dimensions	
125	
1150 / 1470	
85	
1860	1930
710	
730	
55 x 170 x 1150	55 x 170 x 1220
540 / 600 / 685	
30	
1984	
2184	
1700	
Performance data	
5.5 / 6	
0.021 / 0.031	
0.048 / 0.032	
5 / 16	
Electromagnetic	
Electric-engine	
2.5	
1	
660 x 205 x 660	
24 / 210	
190	
Addition data	
AC	
Electronic	
74	



## Option

	EPT20-20RA/20RAS	EPT25-25RA/25RAS	EPT20-20RASH	EPT30-30RAS
Fork length	○ 850/1000/1300/1450 /1600/1800/2000/2400mm	○ 850/1000/1300/1450 /1600/1800/2000/2400mm	○ 850/1000/1300/1450 /1600/1800/2000/2400mm	○ 850/1000/1300/1450mm
Fork width	○ 460/790/840mm	○ 460/790/840mm	○ 460/790/840mm	○ 790/840mm
Double load wheel	●	●	●	●
Single load wheel	●	●	●	●
Fork lowered height	—	—	—	—
Driving wheel	●PU ○Rubber	●PU ○Rubber	●PU —	●PU ○Rubber
Balance wheel	●	●	●	●
Battery capacity	○240AH/270AH/360AH	○240AH/270AH/360AH	○240AH/270AH/360AH	○240AH/270AH/360AH
Lateral change battery	○165/210AH/240AH	○165/210AH/240AH	○165/210AH	○165/210AH/240AH
cold storage	○	○	○	○
Battery indicator without hour meter	○	○	○	○
Battery indicator with hour meter	●	●	●	●
Water auto-filling system	○	○	○	○
Vertical handler working	○	○	○	—
half speed function in turning	—	—	●	●
Guard arm	●	●	●	●
Special backrest	○1220mm (48in)/1520mm (60in)	○1220mm (48in)/1520mm (60in)	○1220mm (48in)/1520mm (60in)	○1220mm (48in) /1520mm (60in)

Note: ● standard ○ option —NA