

F4E

ELECTRIC PALLET TRUCK 1.5T

 1500 kg  105 mm  Li-Ion



The economic F4E is ideal for light- and medium-duty material handling in retail stores, warehouses, logistics centers, and production facilities. Its compact dimensions and turtle speed mode make it particularly suitable for narrow spaces, backroom operations, and frequent pallet transportation. Flexible lithium power options and easy charging support efficient operation throughout daily shifts.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			F4E
Battery voltage/nominal capacity		V/Ah	48/10
Rated capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	100
Lift	h ₃	mm	105
Overall length	l ₁	mm	1550
Overall width	b ₁ /b ₂	mm	692/585
Length to face of forks	l ₂	mm	400
Fork dimensions	s/e/l	mm	55/150/1150
Turning radius	Wa	mm	1360
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	950
Wheelbase	y	mm	1215

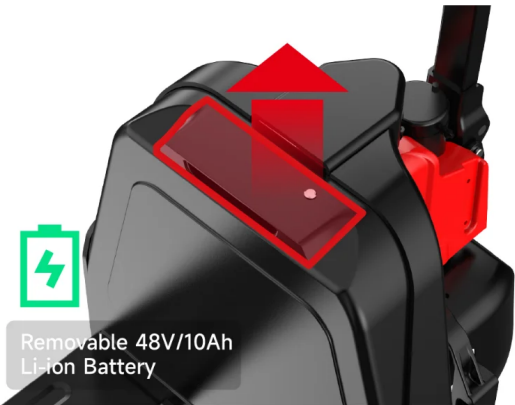
Features

Compact Maneuverability

The compact chassis, small turning radius, and standard turtle speed mode allow efficient operation in confined working areas.



Removable 48V/10Ah Li-Ion Battery



Flexible Lithium Power

The removable 48V/10Ah lithium battery enables opportunity charging and fast battery swaps, with optional higher-capacity batteries to suit different operating demands.

Strong Driving Performance

A powerful DC drive motor combined with a large 210 mm drive wheel delivers smooth transportation, responsive acceleration, and reliable climbing capability.



Belly Button



Ergonomic Safety Design

The linear speed control switch adapts naturally to different walking speeds, while the tiller head with linear rebound design reduces operator effort. An emergency reverse switch provides additional protection during operation.

Durable and Easy to Maintain

The proven triangular frame structure and all-steel body ensure long-term durability. CAN-based diagnostics simplify troubleshooting and help reduce maintenance costs.



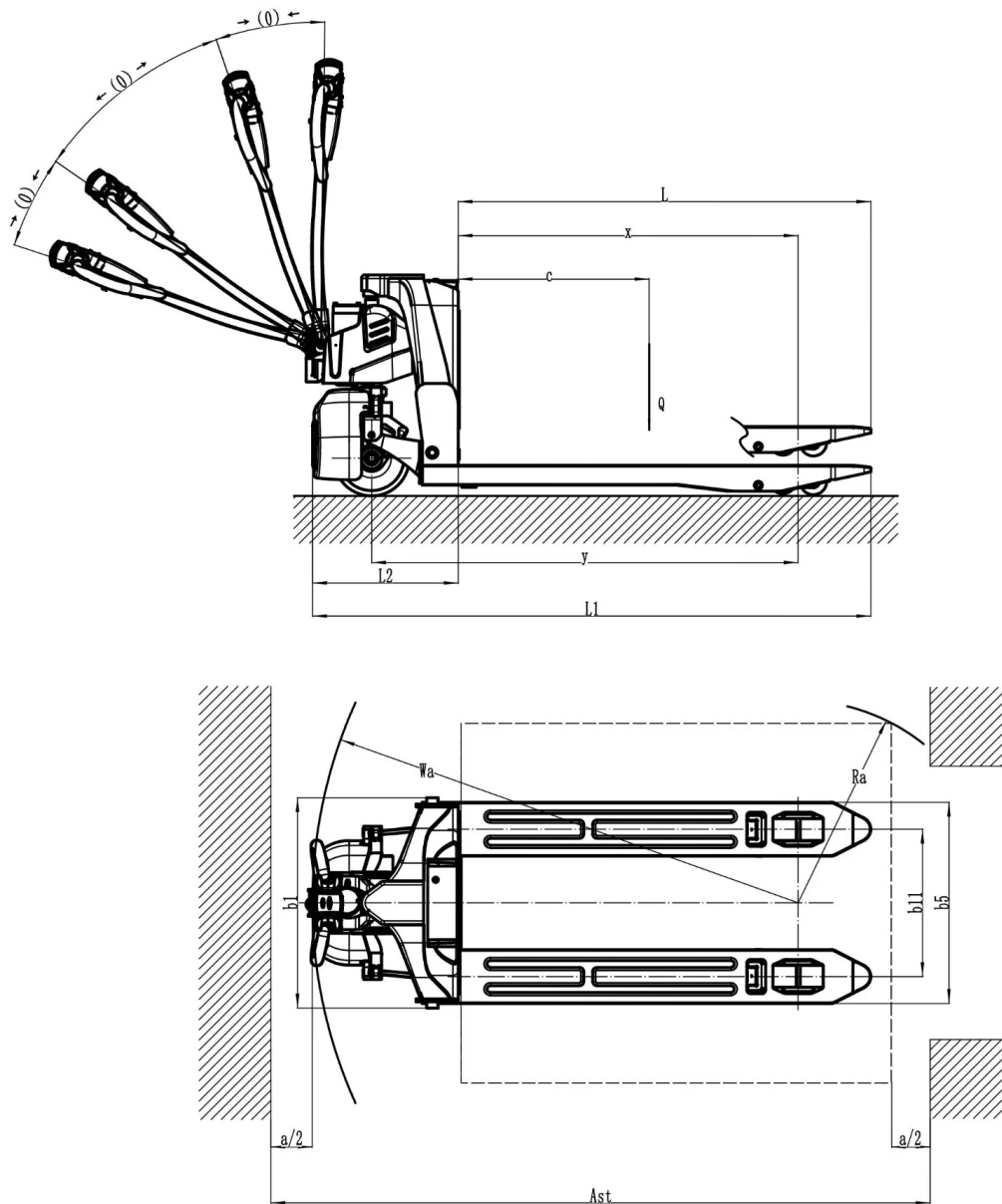
All-steel Protection

VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			F4E
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	950
1.9	Wheelbase	y	mm	1215
2.1	Service weight		kg	100
2.2	Axle loading, laden front/rear		kg	550/1050
2.3	Axle loading, unladen front/rear		kg	80/20
3.1	Tyres			Polyurethane
3.2.1	Tyre size, front		mm	210x60
3.3.1	Tyre size, rear		mm	80*60 (74*88)
3.4	Additional wheels (castor wheels)		mm	74x30
3.5	Wheels, number front/rear (x=drive wheels)			1x2/4 (1x2/2)
3.7	Tread width, rear	b ₁₁	mm	535/410
4.4	Lift	h ₃	mm	105
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	550/1080
4.15	Height, lowered	h ₁₃	mm	82
4.19	Overall length	l ₁	mm	1550
4.20	Length to face of forks	l ₂	mm	400
4.21	Overall width	b ₁ /b ₂	mm	692/585
4.22	Fork dimensions	s/e/l	mm	55/150/1150

SPECIFICATION		REF	UNIT	VALUE
4.25	Distance between fork-arms	b ₅	mm	685/560
4.32	Ground clearance, centre of wheelbase	m ₂	mm	27
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2160
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2025
4.35	Turning radius	wa	mm	1360
5.1	Travel speed, laden/unladen		km/h	4/4.5
5.2	Lift speed, laden/unladen		m/s	0.018/0.022
5.3	Lowering speed, laden/unladen		m/s	0.073/0.038
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	0.8
6.2	Lift motor rating at S3 15%		kW	0.5
6.4	Battery voltage/nominal capacity		V/Ah	48/10
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	6.5
8.1	Type of drive unit			BLDC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	5

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	560*1150 685*1150 Can be customized

ITEM	OPTIONS (optional items marked in yellow)
Load wheel type	Double Single
Drive wheel material	PU
Battery capacity	48V10AH 48V15AH 48V20AH
Charger	48V-5A External
Battery indicator	Without hourmeter
Castor wheels	No Yes and not customized
Vertical handler working	Yes and not customized