

F4

ELECTRIC PALLET TRUCK 1.5T

 1500 kg  105 mm  24 V Li-Ion



The F4 is ideal for a wide range of environments, from light retail usage to intensive logistics operations. Its compact size (400 mm fork face length) and reduced service weight make it highly maneuverable in tight spaces, while its dual-battery slot design ensures continuous operation for long shifts. The optional stabilizing wheels enhance safety when handling large or heavy loads, making the F4 a dependable solution for warehouses, retail stores, and transport hubs.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity K5		Ah	20
Battery voltage		V	24
Rated capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	120
Lift	h ₃	mm	105
Overall length	l ₁	mm	1550
Overall width	b ₁ /b ₂	mm	590 (695)
Length to face of forks	l ₂	mm	400
Fork dimensions	s/e/l	mm	55/150/1150
Turning radius	Wa	mm	1360
Manufacturer			EP
Model designation			F4
Drive			Electric
Operator type			Pedestrian

Features

Flexible battery system

The F4 supports up to two removable 24V/20Ah Li-ion batteries, providing extended runtime for intensive applications or opportunity charging flexibility.



Battery option

Compact & lightweight

With a short 400 mm fork face length and a low service weight of only 120 kg, the F4 is highly maneuverable in narrow aisles and confined spaces.

Optional stabilising wheels

To safely handle heavier or uneven loads, the F4 can be equipped with stabilising wheels, available from the factory or as retrofit.



Stablizing wheel option

Customisable forks

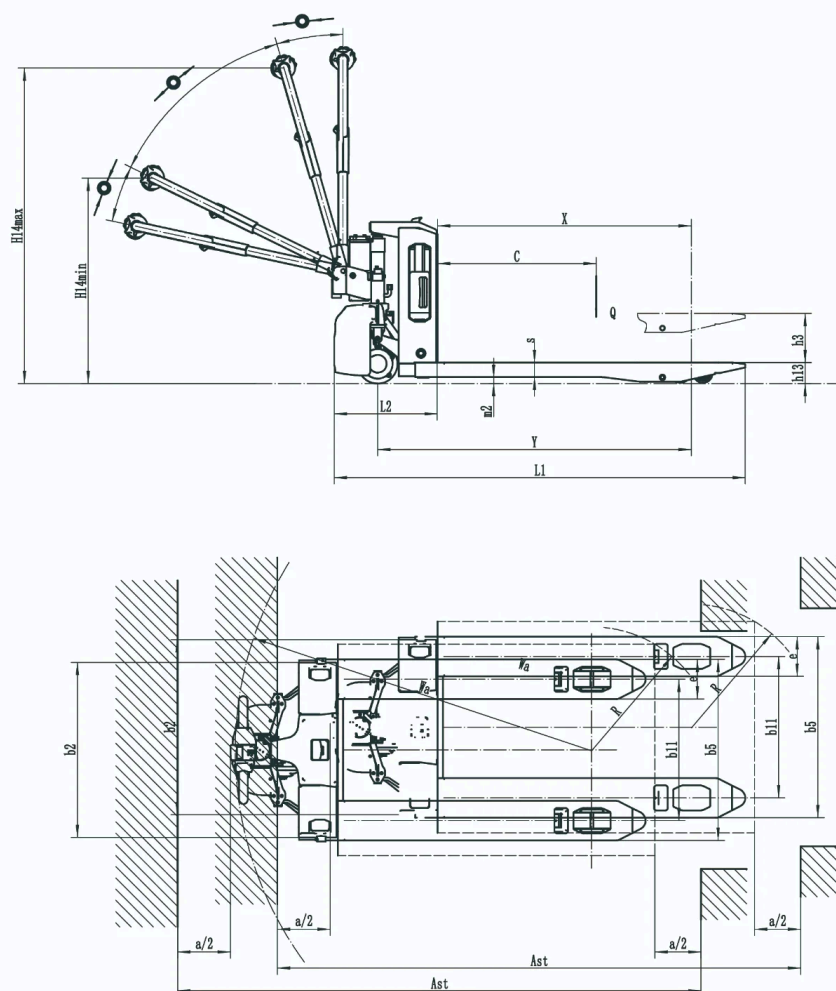
Available in various lengths and widths, the F4 adapts to different pallet standards and customer-specific applications.

VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP

SPECIFICATION		REF	UNIT	VALUE
1.2	Model designation			F4
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	1180
2.1	Service weight		kg	120
2.2	Axle loading, laden front/rear		kg	480/1140
2.3	Axle loading, unladen front/rear		kg	90/30
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	210x70 mm
3.3	Tyre size, rear		mm	80x60 mm
3.4	Additional wheels (castor wheels)		mm	Φ 74x30
3.5	Wheels, number front/rear (x=drive wheels)			1x —/4
3.7	Tread width, rear	b ₁₁	mm	410 (535)
4.4	Lift	h ₃	mm	105
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	645/1145
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	590 (695)
4.22	Fork dimensions	s/e/1	mm	55/150/1150
4.24	Fork carriage width		mm	560 (685)
4.32	Ground clearance, centre of wheelbase	m ₂	mm	30
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	0.017/0.020
5.3	Lowering speed, laden/unladen		m/s	0.057/0.036
5.8	Max. gradeability, laden/unladen		%	6/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	0.75

SPECIFICATION		REF	UNIT	VALUE
6.2	Lift motor rating at S3 15%		kW	0.5
6.4	Battery nominal capacity K5		Ah	20
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	5
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



ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150×560 800×560 900×560 1000×560 1220×560 1350×560 1500×560 800×685 900×685 1000×685 1150×685 1220×685 1350×685 1500×685

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	82
Load wheel type	PU
Load wheel material	PU
Drive wheel material	PU
Battery capacity	20AHx1 20AHx2 20AHx3 20AHx4
Charger	24V-5A external 24V-10A external 24V-4A external DC-DC
Battery display indicator (BDI)	without time
Handle head type	Hands small handle head ET Hands big handle head
Castor wheels	No Yes and not customize
Buzzer	Yes and not customised
Turtle speed	Yes and not customized
Drive assembly	Yes and not customized