

F3

ELECTRIC PALLET TRUCK 1.5T

1500 kg 105 mm 24 V Li-Ion



Designed for logistics centers and transportation hubs, the F3 is ideal for moving goods across intensive shift operations. Its sturdy frame guarantees reliability under heavy use, while the Li-ion plug & play battery supports opportunity charging for continuous availability. The upgraded tiller design reduces strain on operators’ hands, and the flip cover ensures battery safety against water ingress, making the F3 a trusted choice for long-term industrial performance.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			F3
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
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	950
Wheelbase	y	mm	1180

Features

Strong structure & Li-ion heart

The F3 inherits EP's proven EPL153 frame and integrates a plug & play Li-ion battery, ensuring tough performance in demanding logistics environments.



Ergonomic tiller head

The redesigned tiller allows operators to steer with the palm instead of the thumb, reducing strain and improving comfort during long shifts.

Battery flip cover

A protective flip cover safeguards the Li-ion battery from water ingress, enhancing operational safety and extending service life.



Built for logistics

With its 1.5-ton capacity and robust design, the F3 is purpose-built to meet the challenges of transportation in busy logistics centers.

VDI Chart

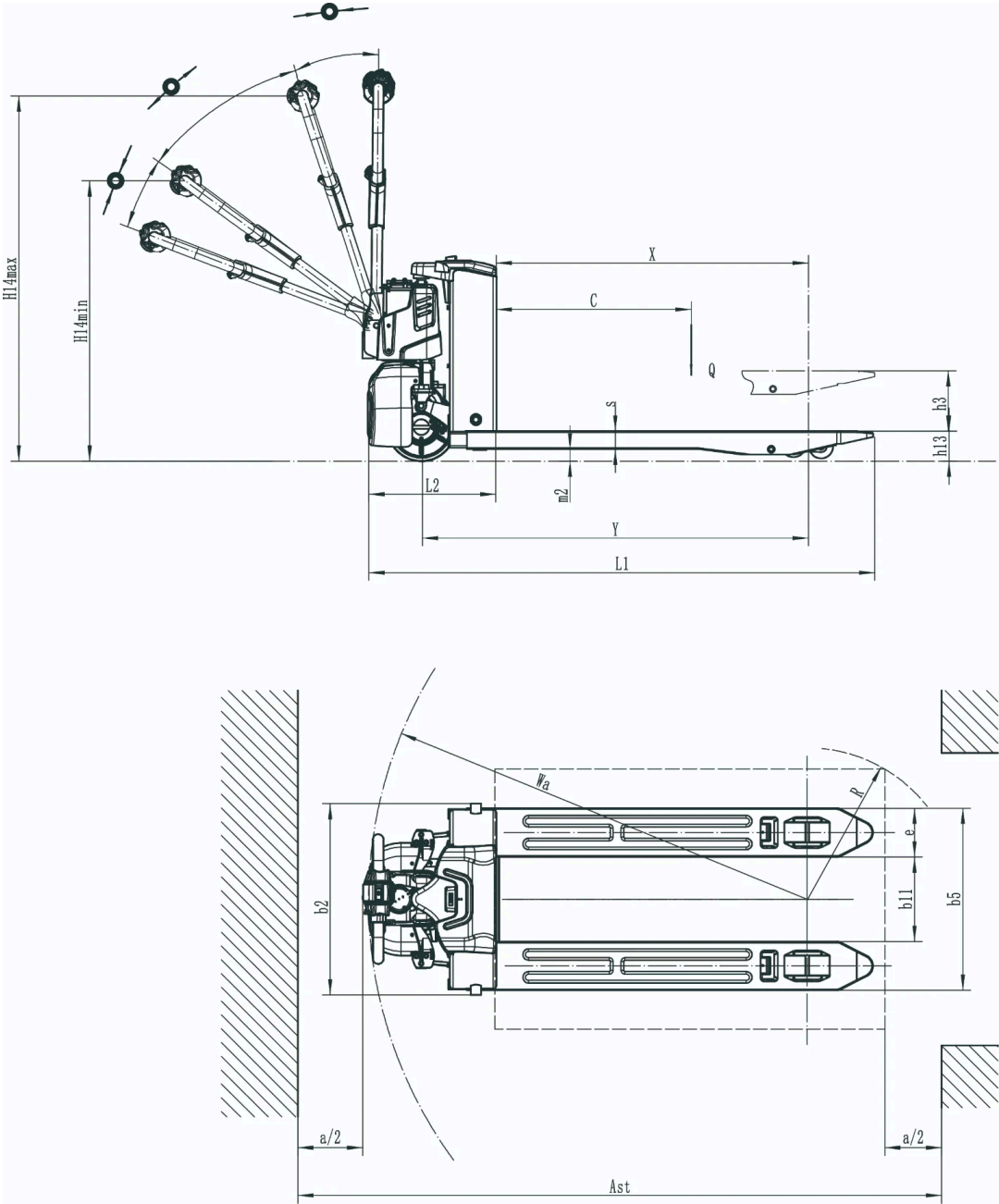
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			F3
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500

	SPECIFICATION	REF	UNIT	VALUE
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
3.3	Tyre size, rear		mm	Φ 80x60
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/l	mm	55/150/1150
4.24	Fork carriage width	b ₃	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
6.2	Lift motor rating at S3 15%		kW	0.5
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	20
6.4.3	Battery type			Li-Ion

	SPECIFICATION	REF	UNIT	VALUE
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

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.

VDI Drawing



Options

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
Fork lowered height	82
Load wheel type	Double Single
Load wheel material	PU
Drive wheel material	PU
Battery capacity	20Ah
Charger	24V-5A external 24V-10A external
Battery indicator	Without time
Handle head type	Hands big handle head Hands small handle head
Castor wheels	No Yes and not customized
Buzzer	Yes and not customized
Turtle speed	Yes and not customized
Drive assembly	Yes and not customized