F2

ELECTRIC PALLET TRUCK 1.5T

1500 kg | 105 mm | 24 V Li-Ion

Engineered for retail and light industrial usage, the F2 is ideal for handling goods in supermarkets, shopping malls, and confined retail spaces. Its durable yet sleek chassis ensures stability, while the opportunity-charging Li-ion battery guarantees all-day availability with no maintenance. The newly designed tiller head reduces strain on operators' hands, improving comfort and productivity during frequent operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			F2
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	560 (685)
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

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Features

Sleek frame & lithium technology

Lightweight yet powerful, the F2's sleek design and Li-ion battery provide consistent performance and opportunity charging for retail use.

Upgraded load capacity

Despite its compact 120 kg frame, the F2 offers a full 1.5-ton load capacity, boosting productivity compared to lighter models.

Ergonomic tiller head

A redesigned tiller head allows operators to control the truck with the palm of the hand, reducing thumb strain and improving comfort.

Retail-ready design

Compact and agile, the F2 is tailored for supermarkets and malls, where maneuverability, uptime, and efficiency are essential.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			F2
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	600

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	SPECIFICATION	REF	UNIT	VALUE
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	560（685）
4.22	Fork dimensions	s/e/l	mm	55/150/1150
4.24	Fork carriage width	b_3	mm	685/560
4.32	Ground clearance, centre of wheelbase	m_2	mm	25
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	0.058/0.046
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
6.5	Battery weight		kg	5

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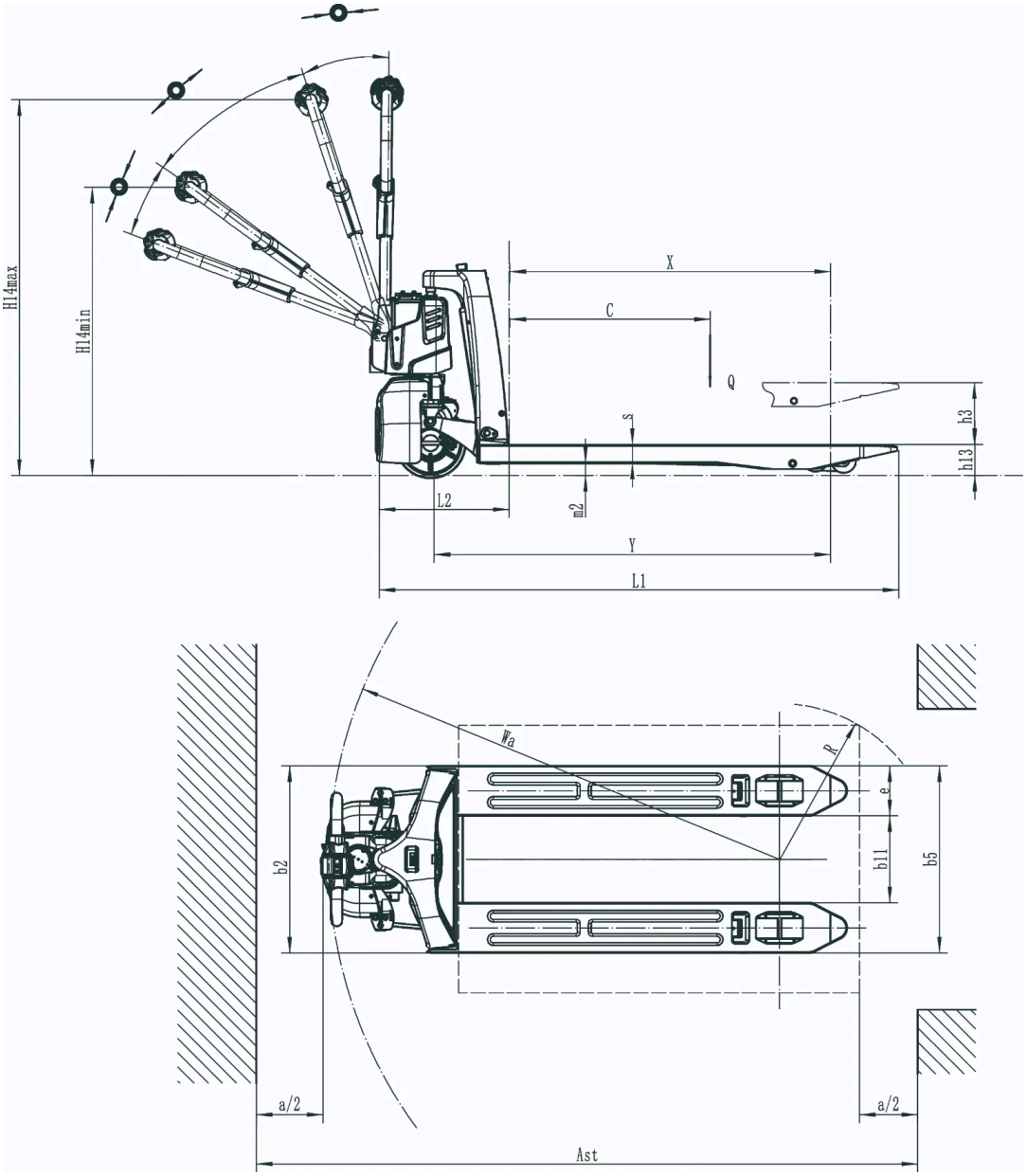
	SPECIFICATION	REF	UNIT	VALUE
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	5

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



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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	Yes and not customized | No
Turtle speed	Yes and not customized
Drive assembly	Yes and not customized

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