

F1

ELECTRIC PALLET TRUCK 1.5T

1500 kg 105 mm 24 V AGM



The F1 is engineered for heavy-duty use in warehouses, manufacturing plants, and construction sites. Its strong chassis and improved tiller—featuring a turtle speed switch and mechanical spring rebound—deliver better maneuverability and reduce operator effort. Compact yet powerful, the F1 is a trusted partner for demanding daily operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			F1
Battery voltage		V	24
Rated capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	142
Lift	h ₃	mm	105
Overall length	l ₁	mm	1618
Overall width	b ₁ /b ₂	mm	620/685
Length to face of forks	l ₂	mm	460
Fork dimensions	s/e/l	mm	55/150/1150
Turning radius	Wa	mm	1440
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	941
Wheelbase	y	mm	1230

Features

Durable chassis

Built on a strong and reliable frame, the F1 is designed to handle demanding industrial environments, ensuring stability and endurance in daily operations.



AGM battery with integrated charger

Equipped with a maintenance-free 24V/65Ah AGM battery and a 24V/10A integrated charger, the F1 offers 5–6 hours of real working time for continuous performance.

Ergonomic tiller design

The highly integrated tiller provides easy control, efficient maneuverability, and reduced operator effort, making daily handling tasks safer and more comfortable.



Market-proven drive unit

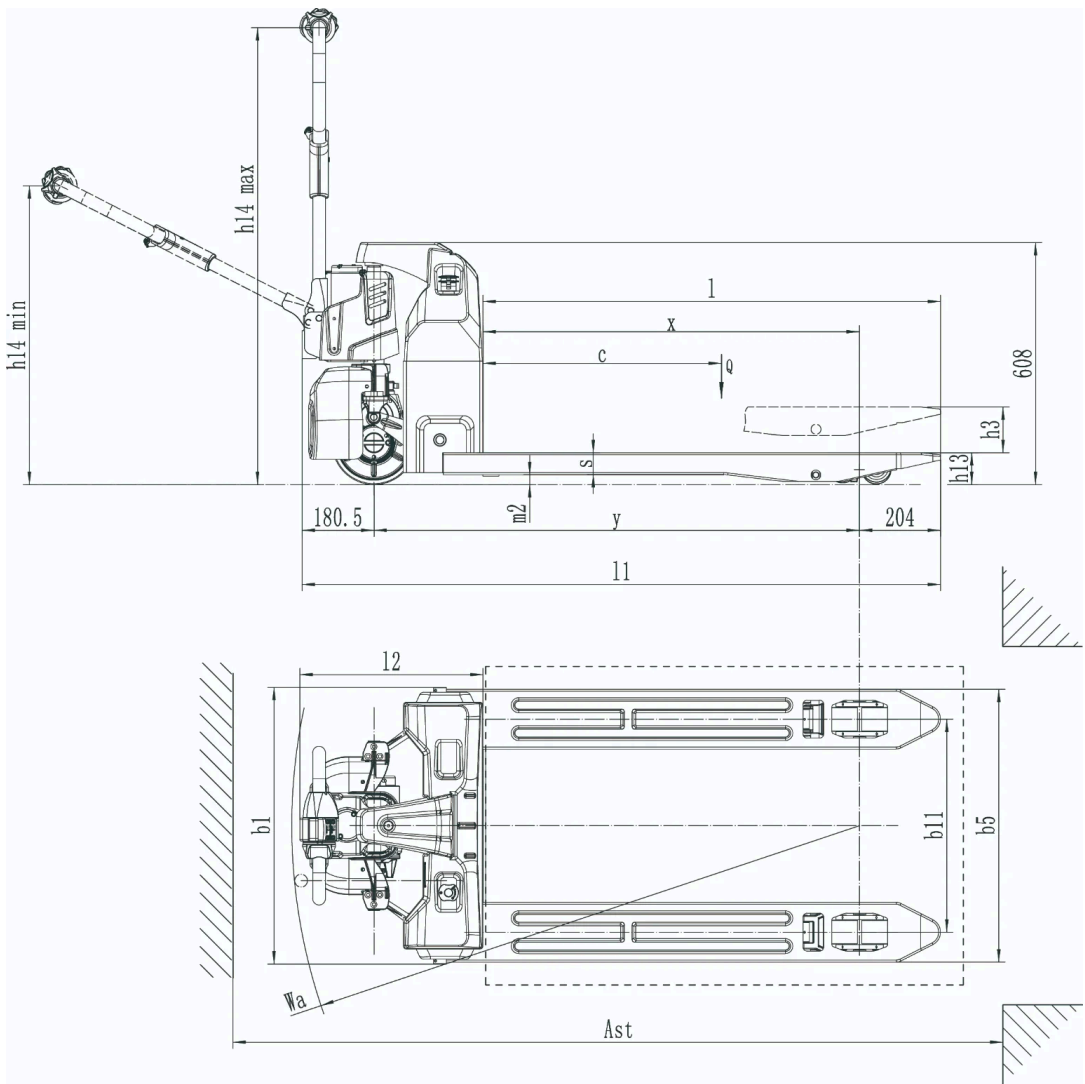
With a tested and reliable drive unit, the F1 delivers smooth, stable power and consistent performance for both light and heavy-duty applications.

VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			F1
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	941
1.9	Wheelbase	y	mm	1230
2.1	Service weight		kg	142
2.2	Axle loading, laden front/rear		kg	543/1099
2.3	Axle loading, unladen front/rear		kg	127/15
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	210x70
3.3	Tyre size, rear		mm	80x60 / 74x88
3.5	Wheels, number front/rear (x=drive wheels)			1x 2/4, 1x 2/2
3.7	Tread width, rear	b ₁₁	mm	410 (535)
4.4	Lift	h ₃	mm	105
4.19	Overall length	l ₁	mm	1618
4.20	Length to face of forks	l ₂	mm	460
4.21	Overall width	b ₁ /b ₂	mm	620/685
4.22	Fork dimensions	s/e/l	mm	55/150/1150
4.32	Ground clearance, centre of wheelbase	m ₂	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2203
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2117
4.35	Turning radius	wa	mm	1440
5.1	Travel speed, laden/unladen		km/h	4/4.5
5.2	Lift speed, laden/unladen		m/s	0.02/0.026
5.3	Lowering speed, laden/unladen		m/s	0.069/0.055
5.8	Max. gradeability, laden/unladen		%	5/16
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	65
6.4.3	Battery type			AGM
6.5	Battery weight		kg	15x2
8.1	Type of drive unit			DC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	<74

VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150×560 1150×685 560*900 560*1000 560*1220 560*1350 560*1500 1150*900 1150*1000 1150*1220 1150*1350 1150*1500
Fork lowered height	80
Load wheel type	Double Single
Load wheel material	PU
Drive wheel material	PU
Front wheel material	Polyurethane

ITEM	OPTIONS (optional items marked in yellow)
Rear wheel material	Polyurethane
Battery capacity	24V 65Ah
Charger	24V-10A Internal
Battery indicator	Without time
Handle head type	Hands handle head
Castor wheels	Yes and not customized No
Buzzer	Yes and not customized
Turtle speed	Yes and not customized
Drive assembly	Yes and not customized