



F1

ELECTRIC PALLET TRUCK 1.5 T

1500 kg 105 mm 12*2 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 manoeuvrability and reduce operator effort. Compact yet powerful, the F1 is a trusted partner for demanding daily operations.

SPECIFICATION	REF	UNIT	VALUE
Battery type			AGM
Battery nominal capacity		Ah	65
Battery voltage		V	12*2
Load capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	145
Lift height	h_3	mm	105
Overall length		mm	1604
Overall width	b_1/b_2	mm	695/620
Length to face of forks	I_2	mm	450
Fork dimensions	s/e/l	mm	55/150/1150
Turning radius		Wa	1426
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	883/946
Wheelbase		mm	1157/1220
Axle loading, laden front/rear		kg	540/1105

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

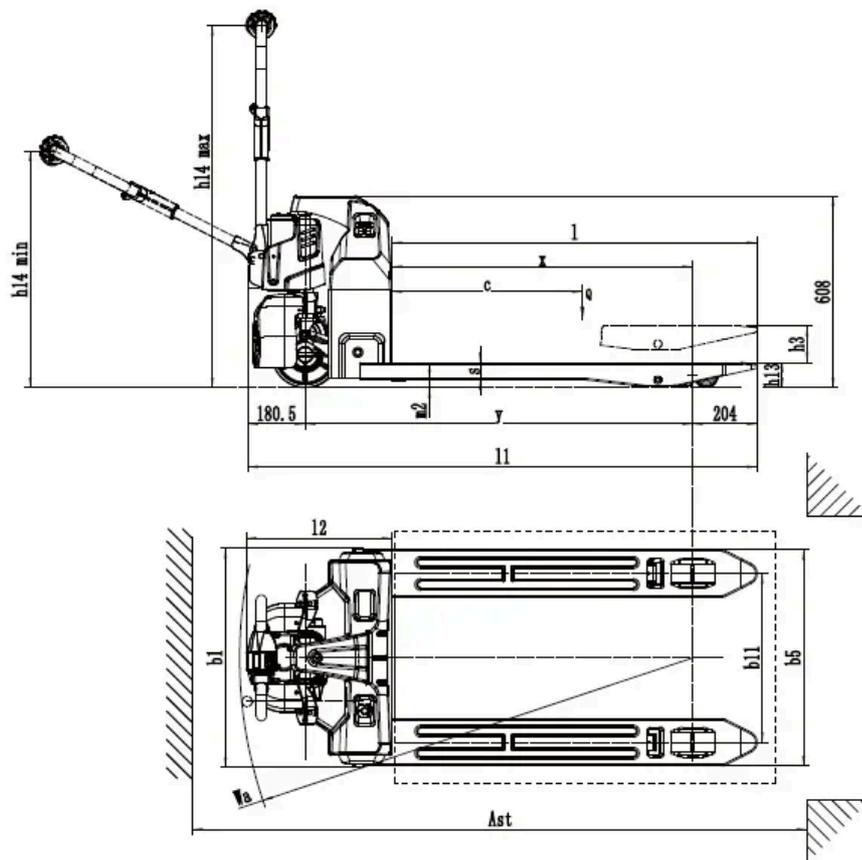
With a tested and reliable drive unit, the F1 delivers smooth, stable power and consistent performance for both light and heavy-duty applications.

VDI Chart

SPECIFICATION	REF	UNIT	VALUE
1.4 Operator type			Pedestrian
1.5 Load 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		mm	883/946
1.9	Wheelbase		mm	1157/1220
2.1	Service weight		kg	145
2.2	Axle loading, laden front/rear		kg	540/1105
2.3	Axle loading, unladen front/rear		kg	115/30
3.1	Tyre type			Polyurethane
3.2	Tyre size, front			210x70
3.3	Tyre size, rear			80x60 / 74x88
3.5	Wheels, number front/rear (x=drive wheels)			1x 2/4, 1x 2/2
3.6	Tread width, front	b_{10}	mm	-
3.7	Tread width, rear	b_{11}	mm	410 (535)
4.19	Overall length		mm	1604
4.20	Length to face of forks	I_2	mm	450
4.21	Overall width	b_1/b_2	mm	695/620
4.22	Fork dimensions	s/e/l	mm	55/150/1150
4.32	Ground clearance, centre of wheelbase		mm	25
4.34.1	Aisle width for pallets 1000x1200 crossways		Ast	2187
4.34.2	Aisle width for pallets 800x1200 lengthways		Ast	2244
4.35	Turning radius		Wa	1426
4.4	Lift height	h_3	mm	105
5.1	Travel speed, laden/unladen		km/h	4/4.5
5.10	Service brake			Electromagnetic
5.2	Lifting 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
6.1	Drive motor rating S2 60 min		kW	0.75
6.2	Lift motor rating at S3 15%		kW	0.5
6.4	Battery nominal capacity		Ah	65
6.4	Battery voltage		V	12*2
6.4.1	Battery type			AGM
6.5	Battery weight		kg	15x2
8.1	Type of drive control			DC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the drivers ear		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
Handle head type	Hands handle head
Load wheel material	PU
Drive wheel material	PU
Front wheel material	Polyurethane
Rear wheel material	Polyurethane
Battery capacity	24V 65Ah

ITEM	OPTIONS (optional items marked in yellow)
Charger	24V-10A Internal
Battery display indicator (BDI)	Without time
Buzzer	Yes and not customized
Turtle speed	Yes and not customized
Castor wheels	Yes and not customized No
Drive assembly	Yes and not customized