

EGS12FD / ELECTRIC COUNTERBALANCED FORKLIFT TRUCK (THREE WHEEL)

Electric Three-Wheeler.

1.2 t, 3000 mm Lift.

“Small, light three-wheel truck for narrow aisles, with high lift, high load and a small turning radius.”



NARROW-AISLE READY

1430 mm
Min. Turning Radius

Aisle, 1000 × 1200 across forks	3080 mm
Aisle, 800 × 1200 along forks	2900 mm
Overall width	872/860 mm

4 Key Specifications

Rated Capacity	Lift Height	Travel Speed	Service Weight
1.2 t (Load centre 400 mm)	3000 mm (Lift height h3)	7/9 km/h (Laden / unladen)	1945 kg (Incl. battery)

5 Product Features

- 01 **Compact and Light**

Small, light, suited to narrow channels; high lift, high load, small turning radius.
- 02 **Electronic Power Steering**

Reduces steering wheel effort for light, flexible steering and less driver fatigue.
- 03 **Front Axle Drive**

Strong, efficient drive; more braking torque, better acceleration and climbing on uneven roads and slopes.
- 04 **Integrated AC Controller**

MOSFET AC control: precise speed, regenerative and reverse braking, slope anti-slip.
- 05 **Side-Pull Battery Box**

Allows easy battery replacement for continuous operation.

Technical Data

1 Characteristics

1.01	Model		EGS12FD
1.02	Power unit		Electric
1.03	Operation		Seated
1.04	Rated load capacity	Q (kg)	1200
1.05	Load centre	c (mm)	400
1.06	Axle centre to fork face	x (mm)	319
1.07	Wheel base	y (mm)	1150
1.08	Service weight with battery	kg	1945

2 Wheels / Tyres

2.01	Wheels type		Solid
2.02	Front wheel size		4.00-8
2.03	Rear wheel size		3.50-5
2.04	Wheels, number front/rear (x = driven)	b10 (mm)	2 x / 2
2.05	Track width, front	b11 (mm)	760
2.06	Track width, rear		185

3 Dimensions

3.01	Mast/fork carriage tilt, forward/backward	a/b (°)	5/8
3.02	Height of mast, lowered	h1 (mm)	1985
3.03	Free lift	h2 (mm)	0
3.04	Lift	h3 (mm)	3000
3.05	Height of mast, extended	h4 (mm)	3917
3.06	Height of overhead guard (cabin)	h6 (mm)	1975
3.07	Height of seat	h7 (mm)	950
3.08	Overall length	l1 (mm)	2415
3.09	Length to fork face	l2 (mm)	1645
3.10	Overall width	b1/b2 (mm)	872/860
3.11	Fork dimensions	s/c/l (mm)	35/100/770
3.12	Width of fork carriage	b3 (mm)	800
3.13	Ground clearance under mast	m1 (mm)	66
3.14	Min. ground clearance at wheelbase centre	m2 (mm)	69
3.15	Aisle width, pallet 1000 x 1200 across forks	Ast (mm)	3080
3.16	Aisle width, pallet 800 x 1200 along forks	Ast (mm)	2900
3.17	Min. turning radius	Wa (mm)	1430

4 Performance

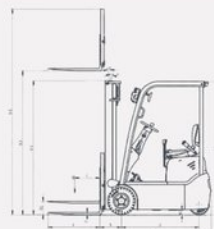
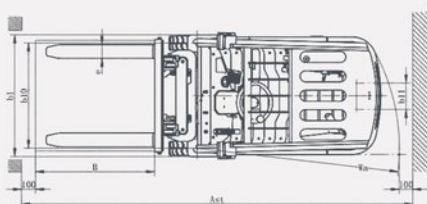
4.01	Travel speed, laden/unladen	km/h	7/9
4.02	Lifting speed, with/without load	mm/s	172/207
4.03	Lowering speed, with/without load	mm/s	240/122
4.04	Climbing ability, with/without load	%	10/15
4.05	Service brake		Hydraulic

5 Motor / Battery

5.01	Drive motor, 60 minute rating	kW	3.0
5.02	Lift motor rating at S3 15%	kW	4.0
5.03	Battery voltage/rated capacity	V/Ah	24/400
5.04	Battery weight (± 5%)	kg	310
5.05	Battery dimensions, length/width/height	mm	745/320/532

6 Other

6.01	Type of drive control		AC speed control
6.02	Noise level at operator's ear	dB(A)	≤ 70
6.03	Type of steering		Electric



Dimension Drawings

Symbols correspond to the units column above.