

EFS101

ELECTRIC COUNTERBALANCE FORKLIFT 1.0T

 990 kg  2500 mm  24 V Li-Ion



EFS101 can cover 80% of customers’ handling applications in the most economical way. In addition to daily working routine, operators can take advantages of its compact size to cover handling needs in narrow space. With its light self-service weight 1520kg, the EFS101 is a reliable tool to handle materials in cargo lifts and on mezzanines. It can also adapt to uneven surfaces thanks to its high ground clearance.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	220
Battery voltage		V	24
Load capacity	Q	kg	990
Load centre distance	c	mm	400
Service weight		kg	1520
Retracted mast height	h ₁	mm	2061
Lift height	h ₃	mm	3000
Height, mast extended	h ₄	mm	3908
Overall length		mm	2402
Overall width	b ₁ /b ₂	mm	894
Length to face of forks	l ₂	mm	1482
Turning radius		Wa	1278
Operator type			Seated
Load distance, centre of drive axle to fork		mm	204
Wheelbase		mm	1015

Features

Compact size and light weight

The EFS101 features compact chassis, which is significantly smaller than ones with the same tonnage in the industry. It is optimized for the flexibility in narrow space thanks to its short turning radius 1278mm. In addition, operators can take advantages of its light weight 1520kg to cover cargo lift and mezzanine usage.



High ground clearance

The EFS101 ensures higher ground clearance compared to regular forklifts with same tonnage and can ride smoothly on uneven surfaces.

Integrated charger

The EFS101 is equipped with a 24V-25A integrated charger, which offers operators convenience and flexibility in daily usage.



Market-proven and mature components

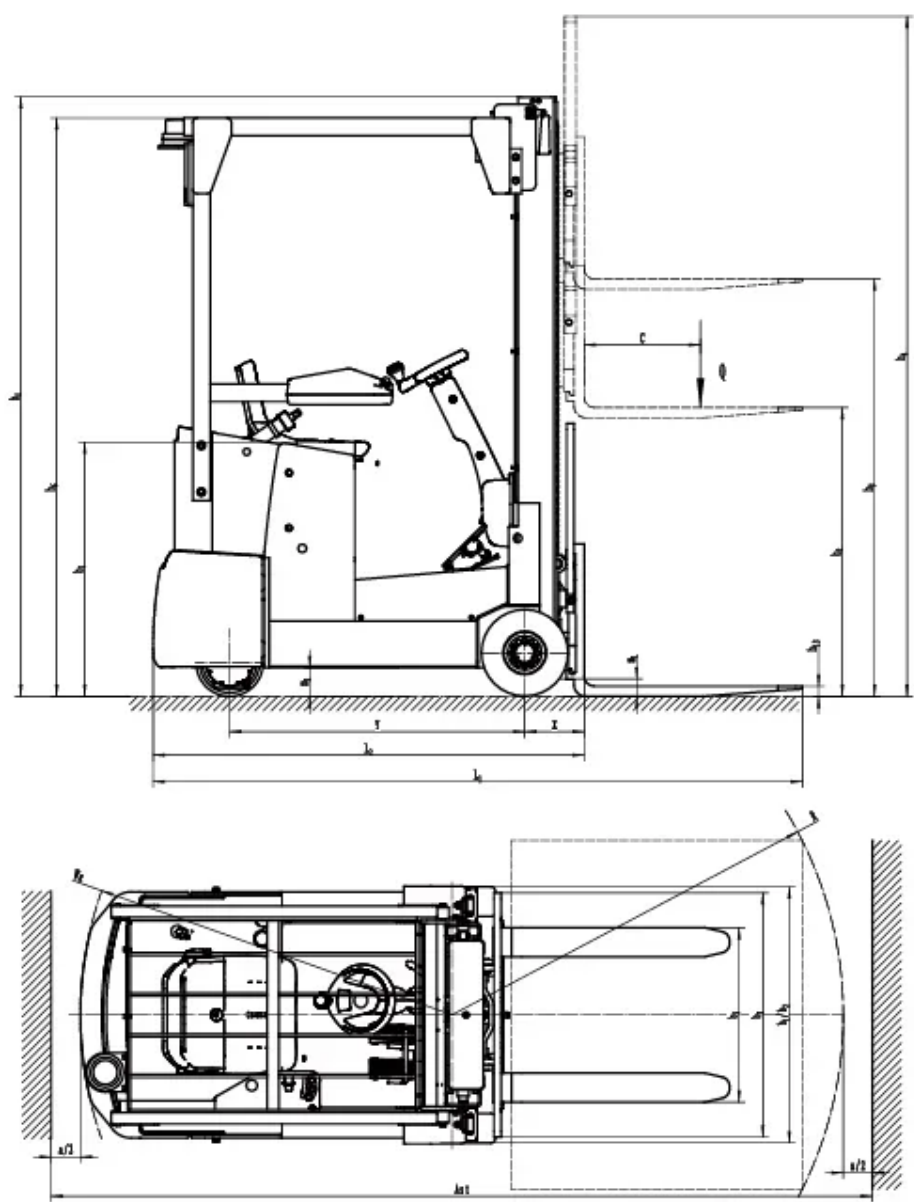
The EFS101 uses market-proven spare parts, which promise safety and reliability. It comes with a 24V/220AH long-lasting AGM battery and the Curtis Controller, which helps increase efficiency and reduce operation costs.

VDI Chart

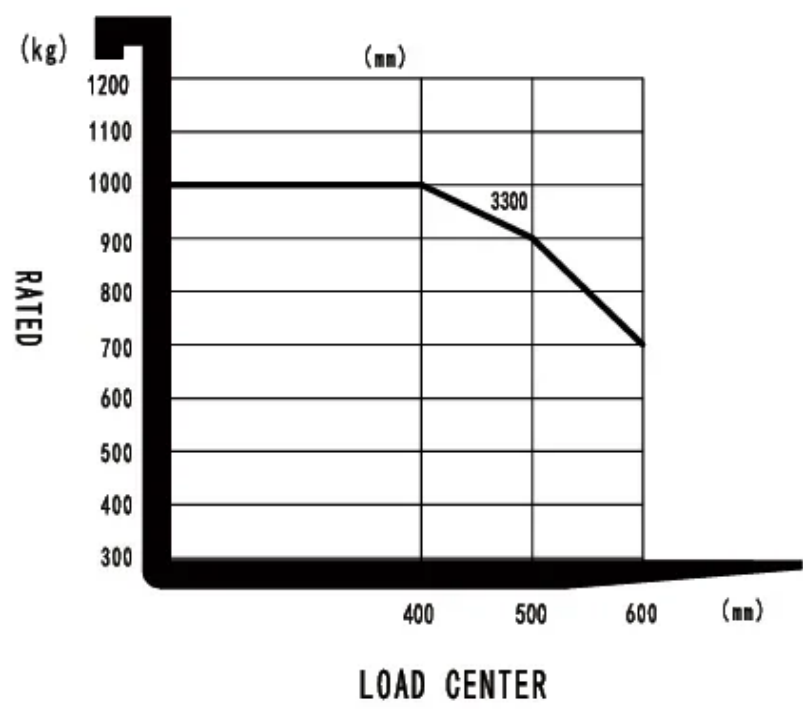
	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	990
1.6	Load centre distance	c	mm	400
1.8	Load distance, centre of drive axle to fork		mm	204
1.9	Wheelbase		mm	1015
2.1	Service weight		kg	1520
2.2	Axle loading, laden front/rear		kg	2150/360
2.3	Axle loading, unladen front/rear		kg	920/900
3.1	Tyre type			Polyurethane/Solid rubber
3.2	Tyre size, front		mm	3.50-5
3.3	Tyre size, rear		mm	230×90
3.5	Wheels, number front/rear (x=drive wheels)			1x,/2
3.6.1	Tread width, front	b ₁₀	mm	779
4.0	Max lift height	H	mm	2500
4.1	Tilt of mast/fork carriage forward/backward		°	3/3
4.19	Overall length		mm	2402
4.2	Retracted mast height	h ₁	mm	2061
4.20	Length to face of forks	l ₂	mm	1482
4.21	Overall width	b ₁ /b ₂	mm	894
4.24	Fork carriage width		mm	35×100×920
4.31	Ground clearance, laden, below mast		mm	60
4.32	Ground clearance, centre of wheelbase		mm	98
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2824
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2938
4.35	Turning radius		Wa	1278
4.4	Lift height	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	3908
4.7	Height of overhead guard (cabin)		mm	1988
4.8	Seat height/standing height		mm	878
5.1	Travel speed, laden/unladen		km/h	6/8
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic

	SPECIFICATION	REF	UNIT	VALUE
5.2	Lifting speed, laden/unladen		m/s	0.13/0.2
5.3	Lowering speed, laden/unladen		m/s	0.16/0.15
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity		Ah	220
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	140

VDI Drawing



RATED CAPACITIES GRAPH



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)
2-Standard Mast	3000	2061	3494	3908
2-Standard Mast	2700	1911	3194	3608
2-Standard Mast	2500	1811	2994	3408

Options

ITEM	OPTIONS (optional items marked in yellow)
Attachments	No
Drive wheel material	Solid rubber
Front wheel material	Solid rubber
Rear wheel material	PU
Battery capacity	220Ah
Charger	24V-25A Internal

ITEM	OPTIONS (optional items marked in yellow)
Battery display indicator (BDI)	With hourmeter
Fork length	920 1070