

# TY-EF-Li300

Electric Counterbalance Forklift Truck 3.0T

- Lithium-ion technology
- Low TCO
- Easy driving
- Brilliant visibility
- Telematics (optional)

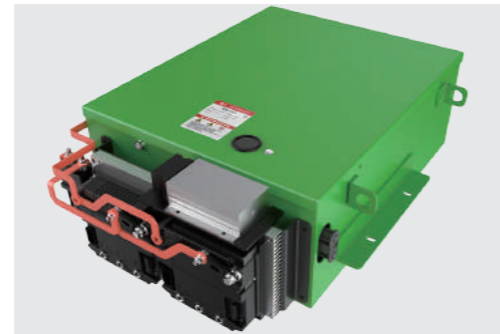




## PRODUCT FEATURES

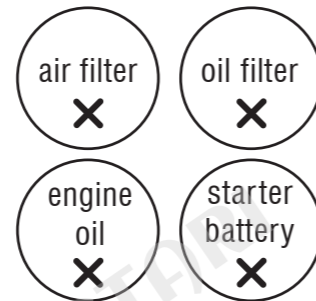
### ■ Lithium-ion technology

EX-EF-Li300 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety operation. EX-EF-Li300 supports opportunity charging so it can be charged at preferable time during the day without disrupting working schedules.



### ■ Low TCO

Comparing to a diesel forklift truck, EX-EF-Li300 saves 30%-50% of energy cost with lithium technology. And there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck.



### ■ Easy driving

The truck is equipped with electric-hydraulic braking system. The system shortens the braking distance to ensure safety while reducing the driving fatigue in the meantime.



### ■ Brilliant visibility

A wide view mast ensures good visibility during operation. This enables operator to better monitor the status of the cargo.



### ■ Telematics

EX-EF-Li300 offers EP' s latest Telematics as option. It provides the following features to facilitate your fleet management:

- Truck location in real-time
- Reports of truck usages and diagnosis
- Li-ion battery condition analytics
- Updates on card access registration

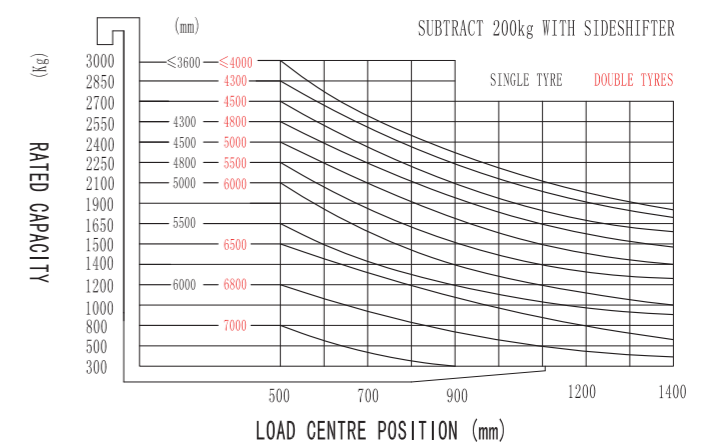


## PRODUCT PARAMETER

Distinguishing mark				
1.1	Manufacturer			EXEGI
1.2	Model designation			EX-EF-Li300
1.3	Drive unit			Electrics
1.4	Operator type			Seated
1.5	rated capacity	Q	t	3
1.6	Load center distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	481
1.9	Wheelbase	y	mm	1750
Weight				
2.1	Service weight (include battery)		kg	4080
2.2	Axle loading, laden driving wheels /steering wheels		kg	6420/660
2.3	Axle loading, unladen driving wheels /steering wheels		kg	1740/2340
Types,Chassis				
3.1	Tyre type,driving wheels /steering wheels			Pneumatic
3.2	Tyre size, driving wheels			28X9-15-14PR
3.3	Tyre size, steering wheels			6.50-10-10PR
3.5	Wheels, number driving/steering (x=drive wheels)		mm	2x/ 2
3.6	Tread, Driving wheels	b10	mm	1010
3.7	Tread, Steering wheels	b11	mm	980
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	$\alpha / \beta$ (°)		6/ 10
4.2	Height, mast lowered	h1	mm	2070
4.3	Free lift (load backrest)	h2	mm	150
4.4	Lift height	h3	mm	3000
4.5	Height, mast extended	h4	mm	4050
4.7	Height of overhead guard (cabin)	h6	mm	2160
4.8	Seat height	h7	mm	1130
4.12	Tow center of pin height	h10	mm	320
4.19	Overall length	l1	mm	3780
4.20	Length to face of forks	l2	mm	2710
4.21	Overall width	b1/ b2	mm	1230
4.22	Fork dimensions	s/ e/ l	mm	45×125×1070
4.23	Fork carriage class/type A, B			3A
4.24	Fork carriage width	b3	mm	1150
4.31	Ground clearance, laden, below mast	m1	mm	120
4.32	The minimum ground clearance of frame	m2	mm	150
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	4181
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4381
4.35	Turning radius	Wa	mm	2500
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	11/12
5.2	Lifting speed, laden/ unladen		m/ s	0.25/0.35
5.3	Lowering speed, laden/ unladen		m/ s	0.4/0.43
5.8	Max. gradeability, laden/unladen		%	15/15
5.10	Service brake type			Mechanics+ Hydraulic
	park brake type			Mechanics
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	10
6.2	Lift motor rating at S3 15%		kW	12
6.3	The maximum allowed size battery		mm	731X 608X326
6.4	Battery voltage/nominal capacity K5			80V205AH
6.5	Battery weight		kg	
Addition data				
8.1	Type of drive unit			AC
10.5	Steering type			hydraulic
10.7	Sound pressure level at the driver's ear		dB (A)	< 74

## RATED CAPACITY

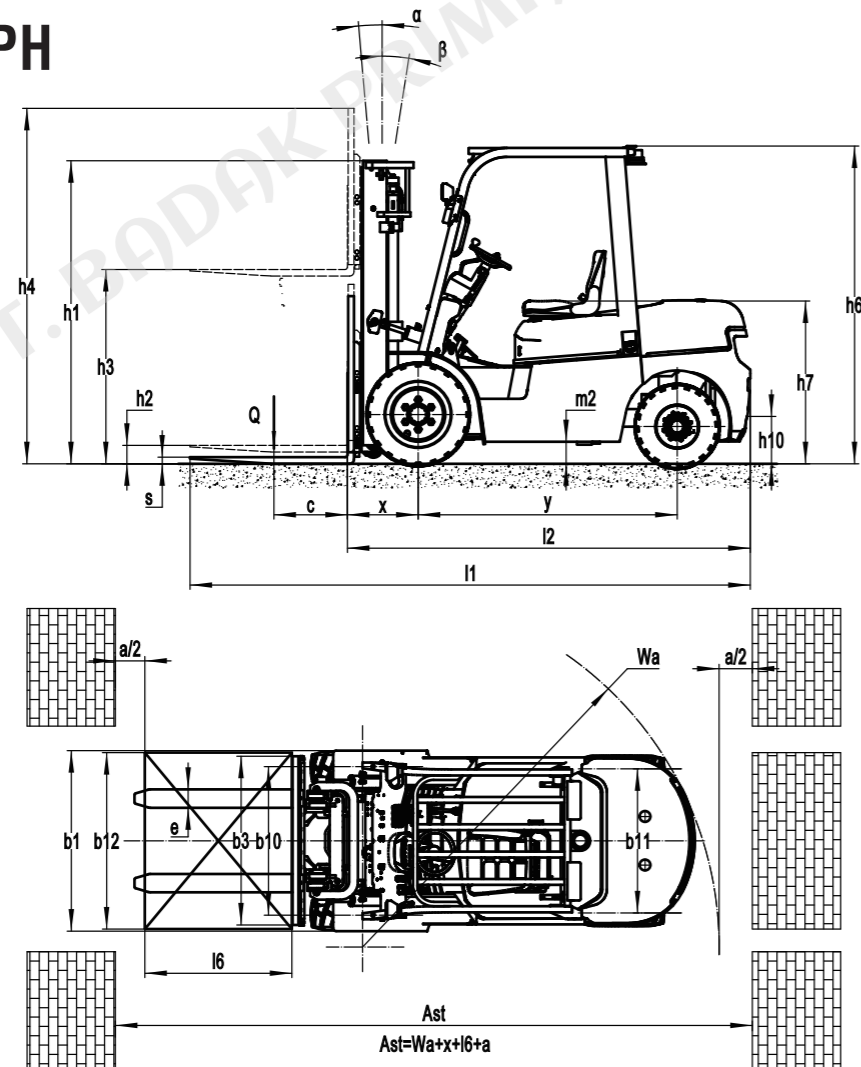
### RATED CAPACITIES AND LOAD CENTERS GRAPH



## MAST OPTION

Type	Model	Max.fork height	Overall height				Free lift		Front Overhang 3.0t	Tilt range		Capacity	
			Lowered	Extended		Without backrest	With backrest	FWD		BWD	Load capacity at 500 mm		
				Without backrest	With backrest						Single tire	Double tire	
		mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg		
Wide view mast	2W200	2000	1570	2570	3250	120	120	481	6	10	3000	3000	
	2W250	2500	1820	3070	3750	120	120	481	6	10	3000	3000	
	2W270	2700	1920	3270	3950	120	120	481	6	10	3000	3000	
	2W300	3000	2070	3570	4250	120	120	481	6	10	3000	3000	
	2W330	3300	2220	3690	4370	120	120	481	6	10	3000	3000	
	2W350	3500	2320	3890	4570	120	120	481	6	10	3000	3000	
	2W360	3600	2370	3990	4670	120	120	481	6	10	3000	3000	
	2W400	4000	2620	4040	4720	120	120	481	6	10	2850	3000	
	2W430	4300	2770	4340	5020	120	120	481	6	6	2700	2900	
	2W450	4500	2870	4290	4970	120	120	481	6	6	2550	2850	
Wide view full 2-stage mast	2F250	2500	1805	2220	2900	1210	560	481	6	10	3000	3000	
	2F270	2700	1905	2320	3000	1310	660	481	6	10	3000	3000	
	2F300	3000	2055	2620	3300	1460	810	481	6	10	3000	3000	
	2F330	3300	2205	3870	4550	1610	960	481	6	10	3000	3000	
	2F360	3600	2355	4020	4700	1760	1110	481	6	10	3000	3000	
	2F400	4000	2605	4420	5100	2060	1410	481	6	10	2850	3000	
Wide view full 3-stage mast	3F430	4300	2095	4910	5570	1360	730	495	6	6	2550	2850	
	3F450	4500	2175	5070	5750	1460	810	495	6	6	2400	2700	
	3F480	4800	2280	5375	6050	1565	915	495	6	6	2250	2550	
	3F500	5000	2365	5570	6250	1610	960	495	6	6	1650	2250	
	3F550	5500	2615	6150	6830	1770	1120	495	3	6	1800	2250	
	3F600	6000	2865	6570	7250	2020	1370	495	3	6	1200	2100	

## LINE GRAPH



## OPTION

Options		EX-EF-Li300
1	Fork length	○
2	Fold fork	—
4	Import battery	—
5	Solid rubber tire	○
6	Environmental solid tire	○
7	Cold storage	—
8	Lateral change battery	—
9	fork weighing system	—
10	Overhead guard	○
11	Mast options	○
12	Attachments	○
13	Built in side shift	○
14	Proportional valve	—
17	Light	LED front light
28		Back light
22		Warning light
18	Fire extinguisher	○
20	Seat	○
21	Seat switch	○
23	Cockpit	With fan heater
25		With front windshield wiper
26		With rear windshield wiper
16	Cockpit	○
24	Doulbe front wheel	○
27	Rearview	○
29	OPS system	○
30	Backrest width	○
32	Air fan	○
33	Charging voltage	○
35	Drive-in Rack	○

Note: ● standard ○ option — NA

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