V2201.01

HEFTY
INDUSTRIAL EQUIPMENTS
Innovate to Elevate

EFL302/EFL352

Li-Ion Counterbalance Forklift Truck 3.0/3.5T

LI-ION TECHNOLOGY

- IC forklift design with li-Ion technology
- Big tyres & high ground clearance
- Simple components for easy service & maintenance
- Li-Ion battery for opportunity charging & flexibility
- Outdoor & indoor: the most flexible forklift in the industry

CE

Hefty Industrial Equipments
www.heftyindustrial.com

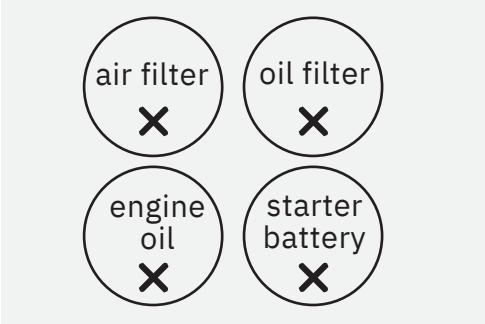
FEATURE

Li t hium-ion technology

EFL302/352 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety opportunity charging so it can be charged at preferable time during the day without disrupting working sched- ules.

L o w TCO

Comparing to a diesel forklift truck, EFL302/352 saves 30%-50% of energy cost with li-ion 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 mechanical braking system. The system shortens the braking distance to ensure safety while reducing the driving fatigue in the meantime.

IPX4 rated water-protected design

The EFL302/352 is IPX4 rated and that protects the trucks from splash of water from different angles. The waterproofed design allows the trucks to be operated outdoors, even in the rain.

Telematics

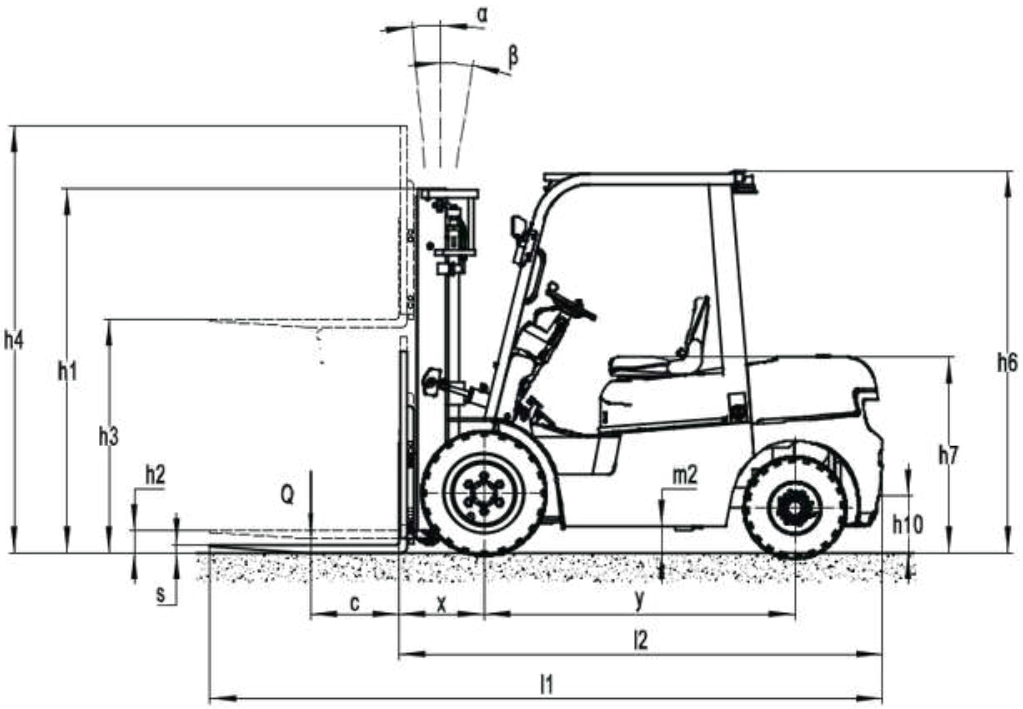
EFL302/352 offers latest Telematics. It provides the following features to facilitate your feet management: ● Truck location in real-time ● Reports of truck usages and diagnosis ● Li-ion battery condition analytics ● Updates on card access registration

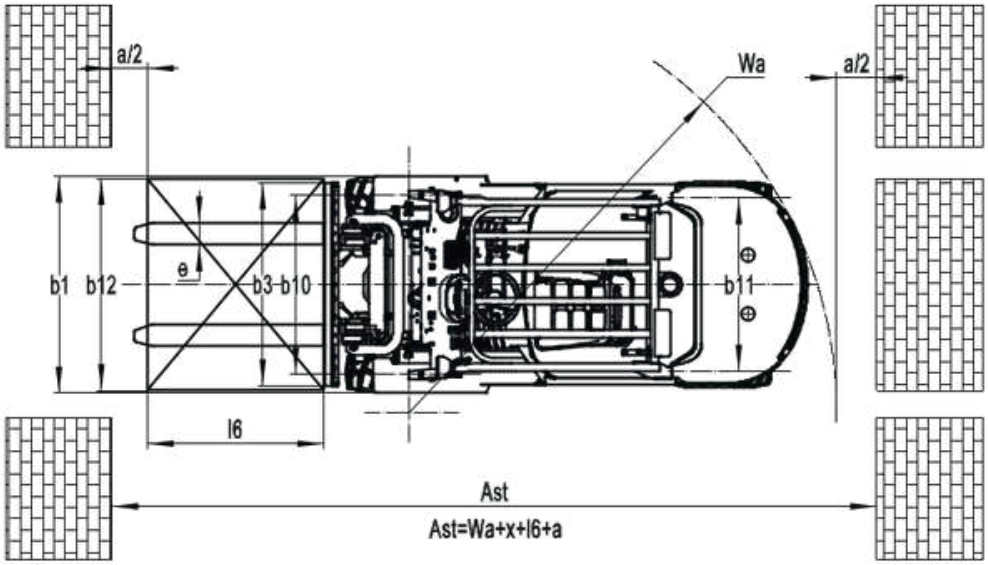
Electric Counterbalance Forklift Truck 3.0/3.5T

EFL302/EFL352

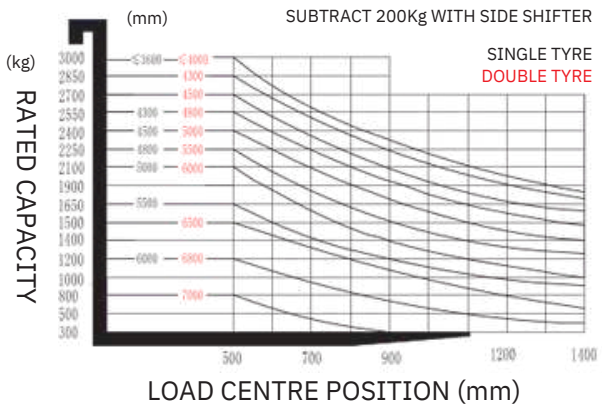
Distinguishing mark	1.1	Manufacturer			HEFTY	HEFTY
	1.2	Model designation			E F L302	E F L352
	1.3	Drive			Electric S	Electric S
	1.4	Operator type			eat ed 3000	eat ed 3500
	1.5	Load capacity	Q	kg	500 481	500 481
	1.6	Load center distance	c	mm	1750 4080	1810 4560
	1.8	Load distance，centre of drive axle to fork	x	mm	6420/ 660	7100/ 960
	1.9	W heelbas e	y	mm	1740/ 2340	1670/ 2890
w Bdvte	2.1	Service weight		kg	Solid rubber	Solid rubber
	2.2	Axle loading, laden front/rear		kg	28X9-15 6.	28X9-15 6.
	2.3	Axle loading, unladen front/rear		kg	50-10 2x/2	50-10 2x/2
Tyres/chassis	3.1	Tyre type			1010 980	1010 980
	3.2	Tyre size, front			6/10 2070	6/10 2070
	3.3	Tyre size, rear			120 3000	120 3000
	3.5	Wheels, number front/rear (x=drive wheels)			4110 2160	4110 2190
	3.6	Tread width, front	b10	mm	1130 320	1130 320
	3.7	Tread width, rear	b11	mm	3780 2710	3940 2870
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	1230 45×	1230 50×
	4.2	Retracted mast height	h1	mm	125× 1070	125× 1070
	4.3	Free lift	h2	mm	3A 1150 120	3A 1150 120
	4.4	Lift height	h3	mm	150 4181	150 4326
	4.5	Height, mast extended	h4	mm	4381 2500	4526 2645
	4.7	Height of overhead guard (cabin)	h6	mm	11/ 12 0. 29/	11/ 12 0. 26/
	4.8	Seat height/standing height	h7	mm	0. 36 0. 4/ 0.	0. 34 0. 4/ 0.
	4.12	Tow coupling height	h10	mm	43 —— ——	43 —— ——
	4.19	Overall length	l1	mm	15/ 15 Hy	15/ 15 Hy
	4.20	Length to face of forks	l2	mm	draulic M ec	draulic M ec
	4.21	Overall width	b1/ b2	mm	hani c al 10	hani c al 10
	4.22	Fork dimensions	s/e/l	mm	12 80/ 205	12 80/ 280
	4.23	A,B Fork carriage class/type A, B			—— AC Hy	—— AC Hy
	4.24	Fork carriage width			draulic ＜74	draulic ＜74
	4.31	Ground clearance, laden, below mast	b3	mm		
	4.32	Ground clearance, center of wheelbase	m1	mm		
	4. 34. 1	Aisle width for pallets 1000×1200 crossways	m2	mm		
	4. 34. 2	Aisle width for pallets 800×1200 crossways	Ast	mm		
	4.35	Turning radius	Ast	mm		
Performance data	5.1	Travel speed, laden/unladen	Wa	mm		
	5.2	Lifting speed, laden/unladen		km/h		
	5.3	Lowering speed, laden/unladen		m/s		
	5.5	Drawbar pull, laden/unladen		m/s		
	5.6	Max. drawbar pull, laden/unladen		N		
	5.8	Max. gradeability, laden/unladen		N		
	5.10	Service brake		%		
	5.11	Parking brake				
	6.1	Drive motor rating S2 60 min				
	6.2	Lift motor rating at S3 15%		kW		
	6.4	Battery voltage/nominal capacity		kW		
		Battery weight		V/Ah		
	6.5	Type of drive control		kg		
	8.1	Steering design				
	10.5	Sound pressure level at the driver's ear				
	10.7			dB (A)		

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

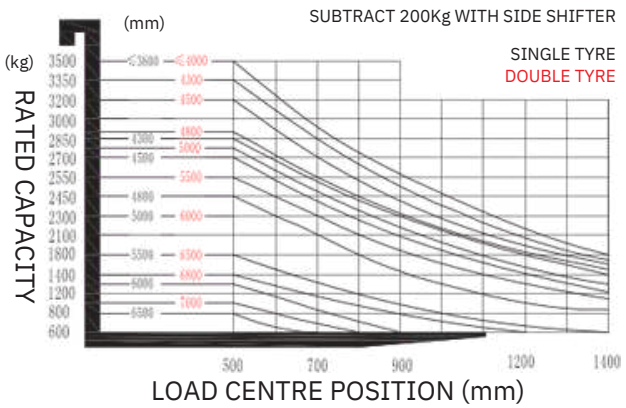




EFL302
RATED CAPACITIES AND LOAD CENTERES GRAPH



EFL352
RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Option

Mast types	(h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No shelving	With shelving
			No shelving	With shelving		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	2700	1920	3270	3810	120	120
	3000	2070	3570	4110	120	120
	3300	2220	3690	4410	120	120
	3500	2320	3890	4610	120	120
	3600	2370	3990	4710	120	120
	4000	2620	4040	5110	120	120
	4300	2770	4340	5410	120	120
	4500	2870	4290	5610	120	120
2-Free Mast	2500	1805	2220	3610	1210	560
	2700	1905	2320	3810	1310	660
	3000	2055	2620	4110	1460	810
	3300	2205	3870	4410	1610	960
	3600	2355	4020	4710	1760	1110
3-Free Mast	4300	2095	4910	5410	1360	730
	4500	2175	5070	5610	1460	810
	4800	2280	5375	5910	1565	915
	5000	2365	5570	6110	1610	960
	5500	2615	6150	6610	1770	1120
	6000	2865	6570	7110	2020	1370

Option

No.	Optional items	EFL302	EFL352
1	Fork length	●1070○customization consultation	●1070○customization consultation
2	Attachments		
3	Overhead guard	●NA○integrated side shifter○external side shifter ○ customization consultation	●NA○integrated side shifter○external side shifter ○ customization consultation
4	Front wheel configuration	●normal overhead guard ○customization consultation	●normal overhead guard ○customization consultation
5	Tyre type	●single○dual	● s i ngl e○ dual
6	Front light	●Solid rubber tire ○Environmental solid tire	●Solid rubber tire ○Environmental solid tire
7	Auxiliary light	●LED front light	●Front light○LED front light
8	Safety components	●NA○Back light	●NA○Back light
9	Seat	●NA○Fire extinguisher○blue light	●NA○Fire extinguisher○blue light
	Cockpit	●normal seat○suspension seat	●normal seat○suspension seat
	Rearview	●NA○Cockpit○With fan heater○With front windshield wiper○ With rear windshield wiper	●NA○Cockpit○With fan heater○With front windshield wiper○ With rear windshield wiper
10	Air fan	●single○dual	● s i ngl e○ dual
11	Charging	●NA○single	●NA○single
12		●80V65A○80V130A○80V200A○80V35A（integrated）○ 80V 60A （i nt egrat ed）	● 80V 65A ○ 80V 130A ○ 80V 200A ○ 80V 35A （i nt egrat ed ） ○ 80V 60A （i nt egrat ed ）
13		●80V205AH○80V280AH○80V410AH	● 80V 280A H○ 80V 410A H
14	Li-Ion battery		
Note: ● standard ○ option — NA			