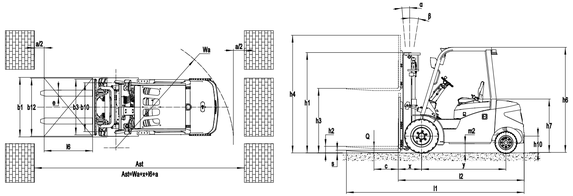
Line graph

EFL253/303/353(S)



Option

EFL253/303/353(S)

No.	Optional items	EFL253	EFL253(S)	EFL303	EFL303(S)	EFL353	EFL353(S)
1.1	Fork dimension	○ 122*40*920 ○ 122*40*1070 ○ 122*40*1150 ○ 122*40*1220 ○ 122*40*1220 ○ 122*40*1370 ○ 122*40*1500 ○ 122*40*1600 ○ 122*40*1600 ○ 122*40*1700 ○ 122*40*1820 ○ 122*40*1900 ○ 122*40*2000 ○ 122*40*2200		○ 122*45*1070 ○ 122*45*1150 ○ 122*45*1220 ○ 122*45*1370 ○ 122*45*1520 ○ 122*45*1600 ○ 122*45*1700 ○ 122*45*1820 ○ 122*45*2000 ○ 122*45*2200 ○ 122*45*2400		○ 122*50*1070 ○ 122*50*1150 ○ 122*50*1220 ○ 122*50*1370 ○ 122*50*1520 ○ 122*50*1600 ○ 122*50*1700 ○ 122*50*1820 ○ 122*50*2000 ○ 122*50*2200 ○ 122*50*2420	
1.4	Fork carriage width	● 1040mm ○ Yes and can be customized		● 1100mm ○ Yes and can be customized			
1.5	Fork carriage height	● 1025mm ○ Yes and can be customized		● 1095mm ○ Yes and can be customized			
2.5	Front wheel material	○ Pneumatic ○ Solid ○ Non-marking					
2.6	Rear wheel material	○ Pneumatic ○ Solid ○ Non-marking					
2.7	Battery capacity	○ 80V205AH ○ 80V230AH ○ 80V410AH	○ 80V230AH ○ 80V460AH	○ 80V205AH ○ 80V280AH ○ 80V410AH	○ 80V230AH ○ 80V460AH	○ 80V280AH ○ 80V410AH	○ 80V280AH ○ 80V460AH
2.8	Charger	○ 80V35A ○ 80V65A ○ 80V130A ○ 80V200A (only for 410Ah battery) ○ 80V35A (internal) ○ 80V60A (internal)	○ 80V35A ○ 80V65A ○ 80V130A ○ 80V200A (only for 460Ah battery)	○ 80V35A ○ 80V65A ○ 80V130A ○ 80V200A (only for 410Ah battery) ○ 80V35A (internal) ○ 80V60A (internal)	○ 80V65A ○ 80V95A ○ 80V130A ○ 80V200A (only for 460Ah battery)	○ 80V35A ○ 80V65A ○ 80V130A ○ 80V200A (only for 410Ah battery) ○ 80V35A (internal) ○ 80V60A (internal)	○ 80V65A ○ 80V95A ○ 80V130A ○ 80V200A (only for 460Ah battery)
2.9	Battery indicator	● With time					
2.10	Seat type	○ Regular ○ Premium ○ Suspension ○ Suspension + seatbelt logic switch					
2.11	Attachments	● No ○ Built-in sideshifter ○ External shifter ○ Fork positioner					
2.13	Traction pin	● Yes					
3.5	Front lamp	● LED					
3.6	Rear lamp	● No ○ LED					
3.7	Warning lamp	● Yes					
3.8	Steering lamp	● Yes					
3.9	Blue lamp	● No ○ 2 front ○ 1 rear ○ 2 front + 1 rear					
3.10	Area warning lamp	● No ○ 1 left + 1 right (red)					
3.11	Rearview mirror	● 1 in the middle ○ Add 1 on both sides					
3.12	Buzzer	● Yes					
3.17	OPS system	● Yes					
3.23	Telematics	● Yes and not customized					
4.3	Cabin	● No ○ Basic semi-enclosed cabin ○ Upgrade semi-enclosed cabin ○ Full cabin					
4.9	Heater	● No ○ Yes and not customized					

Note: ● Standard ○ Optional – Inconformity

Parameters

EFL253/303/353(S)

					EP	EP	EP	EP	EP	EP
Distinguish thing mark	1.1	Manufacturer			EP	EP	EP	EP	EP	EP
	1.2	Model designation			EFL253	EFL303	EFL353	EFL253S	EFL303S	EFL353S
	1.3	Drive			Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type			Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity	Q	kg	2500	3000	3500	2500	3000	3500
	1.6	Load center distance	c	mm	500	500	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	495	481	486	495	481	486
	1.9	Wheelbase	y	mm	1740	1740	1740	1740	1740	1740
Service weight	2.1	Service weight		kg	3940	4280	4600	3890	4305	4625
	2.2	Axle loading, laden front/rear		kg	5810/630	6595/685	7365/725	5795/660	6575/730	7355/770
	2.3	Axle loading, unladen front/rear		kg	1880/2060	1900/2380	1890/2710	1865/2090	1880/2425	1870/2755
Tyres/chassis	3.1	Tyre type			Solid rubber	Solid rubber	Solid rubber	Solid rubber	Solid rubber	Solid rubber
	3.2	Tyre size, front			7.00-12	28x9-14	28x9-14	7.00-12	28x9-14	28x9-14
	3.3	Tyre size, rear			18X7-8	18X7-8	18X7-8	18X7-8	200/50-10	200/50-10
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2X-2	2X-2	2X-2	2X-2	2X-2	2X-2
	3.6	Tread width, front	b10	mm	975	1010	1010	975	1010	1010
	3.7	Tread width, rear	b11	mm	955	955	955	955	955	955
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/10	6/10	6/10	6/10	6/10	6/10
	4.2	Retracted mast height	h1	mm	2090	2070	2070	2090	2070	2070
	4.3	Free lift	h2	mm	120	135	135	120	135	135
	4.4	Lift height	h3	mm	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h4	mm	4025	4095	4095	4025	4095	4095
	4.7	Height of overhead guard (cabin)	h6	mm	2165	2180	2180	2165	2180	2180
	4.8	Seat height/standing height	h7	mm	1095	1110	1110	1095	1110	1110
	4.12	Tow coupling height	h10	mm	330	345	345	330	345	345
	4.19	Overall length	l1	mm	3800	3610	3688	3800	3610	3688
	4.20	Length to face of forks	l2	mm	2530	2540	2618	2530	2540	2618
	4.21	Overall width	b1/b2	mm	1054	1210	1210	1054	1210	1210
	4.22	Fork dimensions	s/e/l	mm	40X122X1070	45X122X1070	50X122X1070	40X122X1070	45X122X1070	50X122X1070
	4.23	A,B Fork carriage class/type A, B			2A	3A	3A	2A	3A	3A
	4.24	Fork carriage width	b3	mm	1040	1100	1100	1040	1100	1100
	4.31	Ground clearance, laden, below mast	m1	mm	125	130	130	125	130	130
	4.32	Ground clearance, center of wheelbase	m2	mm	170	185	185	170	185	185
	4.34.1	Aisle width for pallets 1000x1200 crossways	Ast	mm	4000	4028	4091	4000	4028	4091
	4.34.2	Aisle width for pallets 800x1200 lengthways	Ast	mm	4200	4228	4291	4200	4228	4291
	4.35	Turning radius	Wa	mm	2305	2347	2405	2305	2347	2405
Performance data	5.1	Travel speed, laden/unladen		km/ h	11/12	11/12	11/12	16/17	16/17	16/17
	5.2	Lifting speed, laden/unladen		m/s	0.29/0.36	0.29/0.36	0.28/0.36	0.4/0.5	0.4/0.5	0.4/0.5
	5.3	Lowering speed, laden/unladen		m/s	0.4/0.43	0.4/0.43	0.4/0.43	0.4/0.43	0.4/0.43	0.4/0.43
	5.5	Drawbar pull, laden/unladen		N	——	——	——	——	——	——
	5.6	Max. drawbar pull, laden/unladen		N	——	——	——	——	——	——
	5.8	Max. gradeability, laden/unladen		%	15/15	15/15	15/15	20/25	20/25	18/25
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.11	Parking brake			Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW	10	10	10	16	16	16
	6.2	Lift motor rating at S3 15%		kW	16	16	16	24	24	24
	6.4	Battery voltage/nominal capacity		V/Ah	80V205AH	80V205AH	80V280AH	80V230AH	80V230AH	80V280AH
	6.5	Battery weight		kg	——	——	——	——	——	——
Addition data	8.1	Type of drive control			AC	AC	AC	AC	AC	AC
	10.5	Steering design			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	10.7	Sound pressure level at the driver's ear		dB(A)	< 74	< 74	< 74	< 74	< 74	< 74

High performance

1. Max travel speed (unladen) 17km/h (option) to cover diverse intralogistics application needs
2. Max battery capacity 80V/460Ah and max charging current 200A for longer uptime and fast charging
3. Max gradeability (laden/ unladen) 20/25% to deliver better stability on ramps
4. Max lifting speed 0.5m/s for greater efficiency

Lithium technology to replace internal combustion engine

The lithium technology has proven itself as an emission-free and maintenance-free alternative to diesel. The new generation of EFL series handles loads with consistently high performance due to opportunity charging even for the most demanding applications.

Standard lithium battery

New LCD display

Waterproof design

Spacious legroom

Multi-functions for safe operation and easy fleet management

The new EFL series is equipped with a variety of functional configurations, such as OPS system, Telematics and card/ fingerprint system, which not only takes security as priority but also reinforce easier fleet management.

OPS system

Card system (option)

Telematics

The truck structure integrates aesthetics and practical design

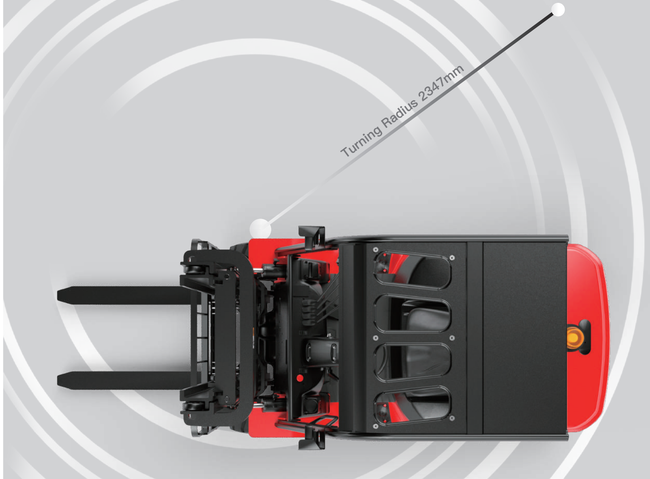
Both practicality and beauty are reflected in the design of the new EFL series. It inherits the robust chassis of the T8 IC truck series and features a more streamlined and compact counterweight, to better fit in confined space. Plus, the rain-proofed charging port protects the port from water splash and ensures charging safety.

170mm shorter

Ergonomic improvements for comfortable operation

The workspace of the new EFL series is more spacious with a simplified panel and a comfortable pedal. The series features a new LCD display that clearly shows speed, working hours, battery status ,milage and parking status so the operator can easily grapse the truck conditions just with a glance.

Optimized overhead guard for usage of a full cabin

The brand new overhead guard is bolted, instead of welded, to the truck frame and this is more suitable for usage of a full cabin to cope with all weathers. For flexible strategy, it is easy to install or detach a cabin across different trucks.

Full Cabin (option)