

EFL1203-HV

High Capacity Electric Counterbalance Forklift Truck 12T



Manufacturer			EP
Model designation			EFL1203-HV-6
Drive			Electric
Load capacity	Q	kg	12000
Load center distance	c	mm	600
Service weight		kg	15500
Height, mast extended	h4	mm	4645
Length to face of forks	l2	mm	4462
Overall width	b1/b2	mm	2350
Fork dimensions	s/e/l	mm	88×175×1370
Turning radius	Wa	mm	4290
Travel speed, laden/unladen		km/ h	20/21
Lifting speed, laden/unladen		m/s	0.36/0.43
Lowering speed, laden/unladen		m/s	0.4/0.33
Max. gradeability, laden/unladen		%	20/25
Drive motor rating S2 60 min		kW	55
Battery voltage/nominal capacity		V/Ah	309V/304AH

Standard configuration

- Fork positioner with pin type forks
- 1370mm forks
- 2336 fork carriage
- 309.12V304Ah LFP battery
- Battery heating function when charging
- Telematics
- Mechanical levers
- Suspension seat with OPS
- Pneumatic tyres (solid tyres for certain markets)
- Standard overhead guard
- Mast lifting and lowering buffer
- Fire extinguisher holder
- Reversing buzzer
- Rear camera with LCD display
- Back handle with horn button
- Lighting package: LED front working light (with far and near light, steering light, width light), LED tricolor taillights, LED rear working light, Strobe warning light
- Upgrade mechanical suspension seat with armrest + headrest + + safety belt switch
- Rear armrest horn
- OPS system

Options

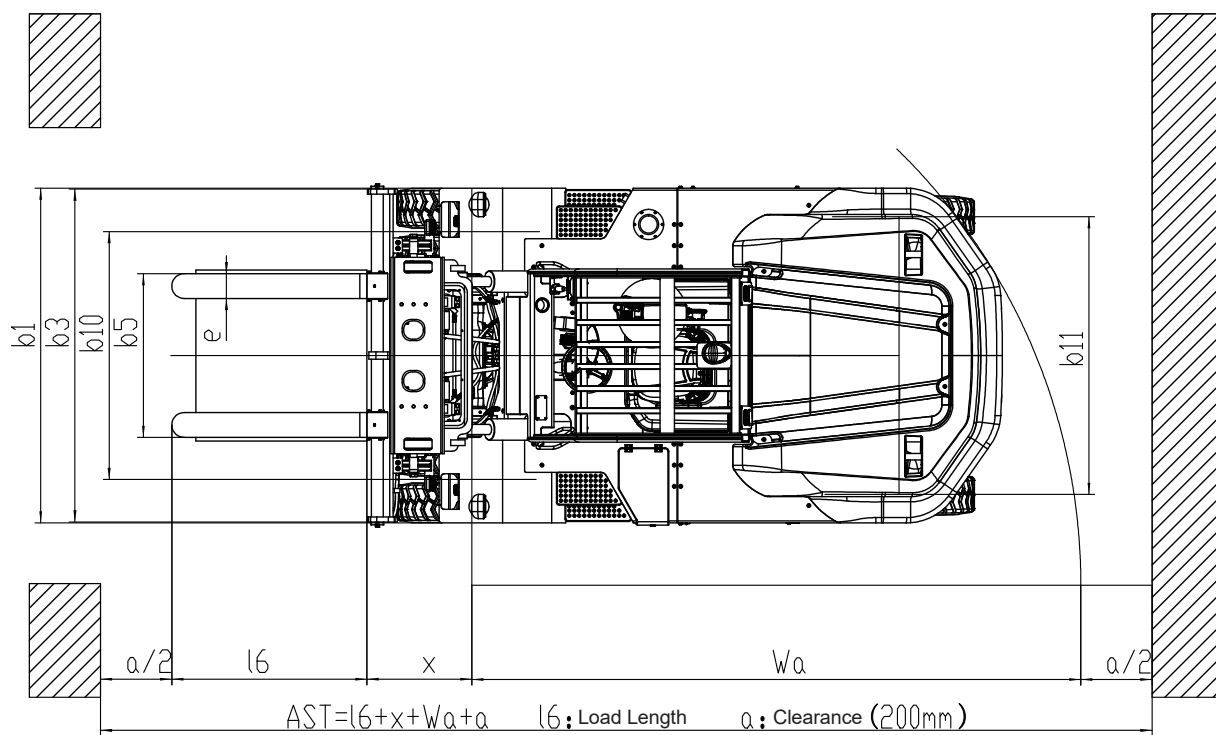
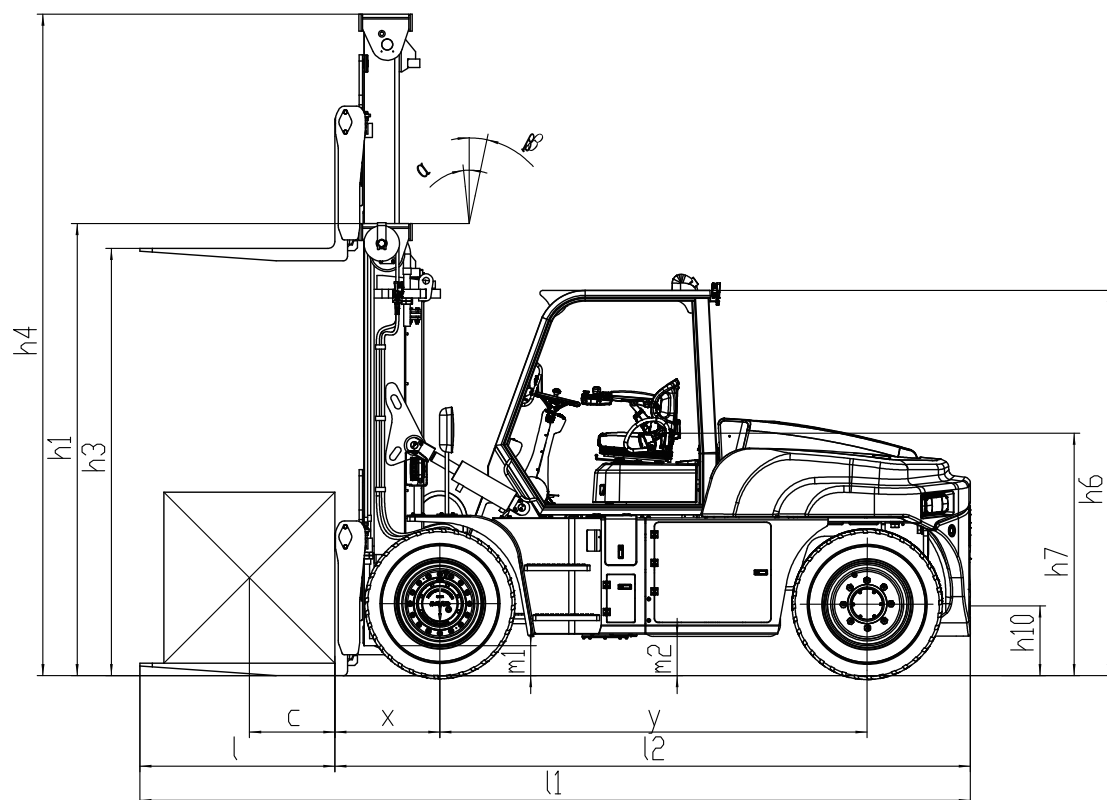
- Different fork length customization
- Customized fork carriage (width and type)
- Attachments:
 - Fork positioner with sideshift: Forks with terminal west
 - Fork positioner with sideshift: Roller guiden forks
- Chargers
 - 20kw (3 phase AC 370V-460V, 50-60HZ, 32A plug)
 - 40kw (3 phase AC 370V-460V, 50-60HZ, 63A plug)
- Fingertips
- Grammer MSG65 seat with OPS
- Solid tyres / non marking tyres
- Reverse voice horn (English)
- Back distance sensor and rear camera with LCD display
- Lights
 - 4 LED front working lights on mast
 - Rotating warning light / rotating buzzer warning light
 - Back blue spot
 - Left and right blue spots
- Cigarette lighter interface 12V5A
- USB Type A interface with 24V QC3.1 support
- Turn speed control
- Adjustable overspeed alarm
- Cabin options:
 - Basic half-cabin: front windshield, front wiper (including sprinkler), roof
 - Upgrade half-cabin: basic half-cabin, rear windshield, rear wiper
 - Basic full cabin: upgrade half-cabin, left and right doors, defogging device
 - Upgrade full cabin: basic full cabin, air conditioner
- Grammer MSG65-531 mechanical suspension seat with armrest + safety belt switch

High Capacity Electric Counterbalance Forklift Truck 12T

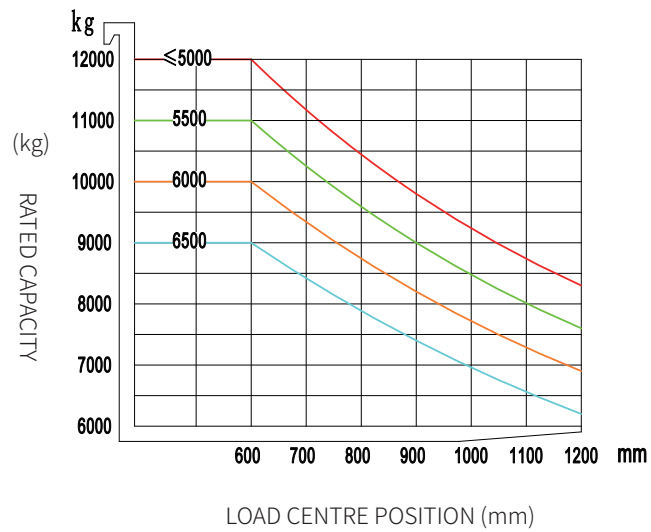
EFL1203-HV

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			EFL1203-HV-6
	1.3	Drive			Electric
	1.4	Operator type			Seated
	1.5	Load capacity	Q	kg	12000
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	737
	1.9	Wheelbase	y	mm	3000
Service weight	2.1	Service weight		kg	15500
	2.2	Axle loading, laden front/rear		kg	24760/2740
	2.3	Axle loading, unladen front/rear		kg	7410/8090
Tyres/chassis	3.1	Tyre type			pneumatic
	3.2	Tyre size, front			10.00-20-18PR
	3.3	Tyre size, rear			10.00-20-18PR
	3.5	Wheels, number front/rear (x=drive wheels)		mm	4x/ 2
	3.6	Tread width, front	b10	mm	1748
	3.7	Tread width, rear	b11	mm	1950
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12
	4.2	Retracted mast height	h1	mm	3175
	4.3	Free lift	h2	mm	88
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4645
	4.7	Height of overhead guard (cabin)	h6	mm	2755
	4.8	Seat height/standing height	h7	mm	1700
	4.12	Tow coupling height	h10	mm	490
	4.19	Overall length	l1	mm	5832
	4.20	Length to face of forks	l2	mm	4462
	4.21	Overall width	b1/b2	mm	2350
	4.22	Fork dimensions	s/e/l	mm	88×175×1370
	4.23	A,B Fork carriage class/type A, B			/
	4.24	Fork carriage width	b3	mm	2336
	4.31	Ground clearance, laden, below mast	m1	mm	270
	4.32	Ground clearance, center of wheelbase	m2	mm	270
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	6597
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	6597
	4.35	Turning radius	Wa	mm	4290
Performance data	5.1	Travel speed, laden/unladen		km/ h	20/21
	5.2	Lifting speed, laden/unladen		m/s	0.38/0.44
	5.3	Lowering speed, laden/unladen		m/s	0.42/0.4
	5.5	Drawbar pull, laden/unladen		N	/
	5.6	Max. drawbar pull, laden/unladen		N	/
	5.8	Max. gradeability, laden/unladen		%	20/25
	5.10	Service brake			Hydraulic
	5.11	Parking brake			Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW	55
	6.2	Lift motor rating at S3 15%		kW	2x38
	6.4	Battery voltage/nominal capacity		V/Ah	309V/304AH
	6.5	Battery weight		kg	860
Addition data	8.1	Type of drive control			PMSM
	10.5	Steering design			Hydraulic
	10.7	Sound pressure level at the driver's ear		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.



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Option

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	3000	3175	4645	—	88	—
	3500	3425	5145	—	88	—
	4000	3675	5645	—	88	—
	4500	3925	6145	—	88	—
	5000	4225	6695	—	88	—
	5500	4475	7195	—	88	—
	6000	4775	7745	—	88	—
	6500	5025	8245	—	88	—
2-Free Mast	3000	3175	4645	—	1500	—
	3500	3425	5145	—	1750	—
	4000	3675	5645	—	2000	—
	4500	3925	6145	—	2250	—
	5000	4225	6695	—	2500	—
	5500	4475	7195	—	2750	—
	6000	4775	7745	—	3000	—
	6500	5025	8245	—	3250	—
	7000	5325	8795	—	3500	—
3-Free Mast	4500	3225	6215	—	1550	—
	5000	3392	6715	—	1715	—
	5500	3608	7265	—	1880	—
	6000	3775	7765	—	2150	—
	6500	3992	8315	—	2215	—
	7000	4208	8865	—	2380	—