

EFL803-HV/EFL1003-HV

High Capacity Electric Counterbalanced Forklift 8-10T



Manufacturer			EP	EP	EP
Model designation			EFL803-HV-6	EFL803-HV-9	EFL1003-HV-6
Drive			electric	electric	electric
Load capacity	Q	kg	8000	8000	10000
Load center distance	c	mm	600	900	600
Service weight		kg	12325	13900	13900
Height, mast extended	h1	mm	4310	4310	4310
Length to face of forks	h3	mm	3955	3965	3960
Overall width	h4	mm	2200	2200	2200
Fork dimensions	l2	mm	75×160×1520	85×160×1820	80×160×1520
Turning radius	b1/b2	mm	3605	3605	3605
Travel speed, laden/unladen	s/e/l	km/ h	29/30	29/30	29/30
Lifting speed, laden/unladen	Wa	m/s	0.39/0.47	0.39/0.47	0.39/0.47
Lowering speed, laden/unladen		m/s	0.46/0.4	0.46/0.4	0.46/0.4
Max. gradeability, laden/unladen		%	22/30	22/30	22/30
Drive motor rating S2 60 min		kW	60	60	60
Battery voltage/nominal capacity		V/Ah	309.12/304	309.12/304	309.12/304

Standard configuration

- Fork length 1520/1820mm (600/900mm LC)
- Pin type forks
- Fork positioner with pin type forks
- Mast lifting and lowering buffer
- Pneumatic tyres (solid tyres for certain markets)
- 309.12V/304Ah LFP battery
- Reversing buzzer
- Battery heating function when charging
- PMSM technology traction and lifting motors
- VCU PARKER(US)
- Overhead guard with rubber damping frame connection
- Mini joystick for hydraulic controls
- Suspended seat with OPS
- Telematics
- 20kW external 3-phase charger, 32A plug
- LED front working light on overhead guard, Front and rear lights, back blue spot, Strobe warning light, rear and front steering lights

Option list

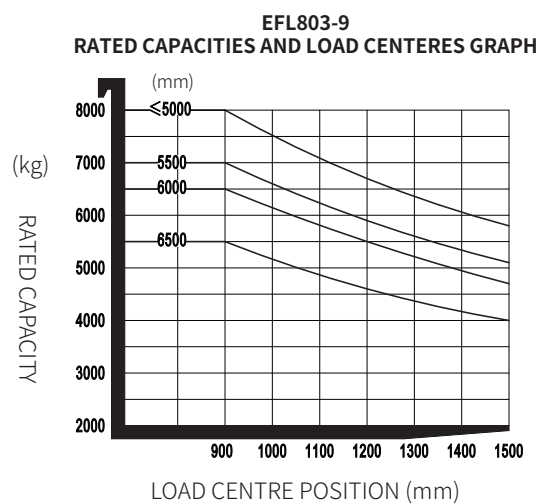
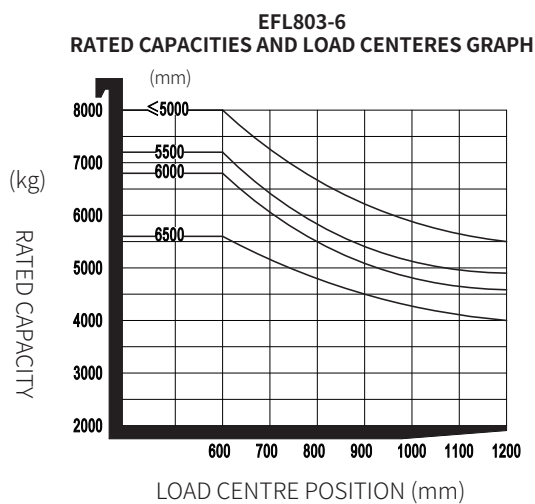
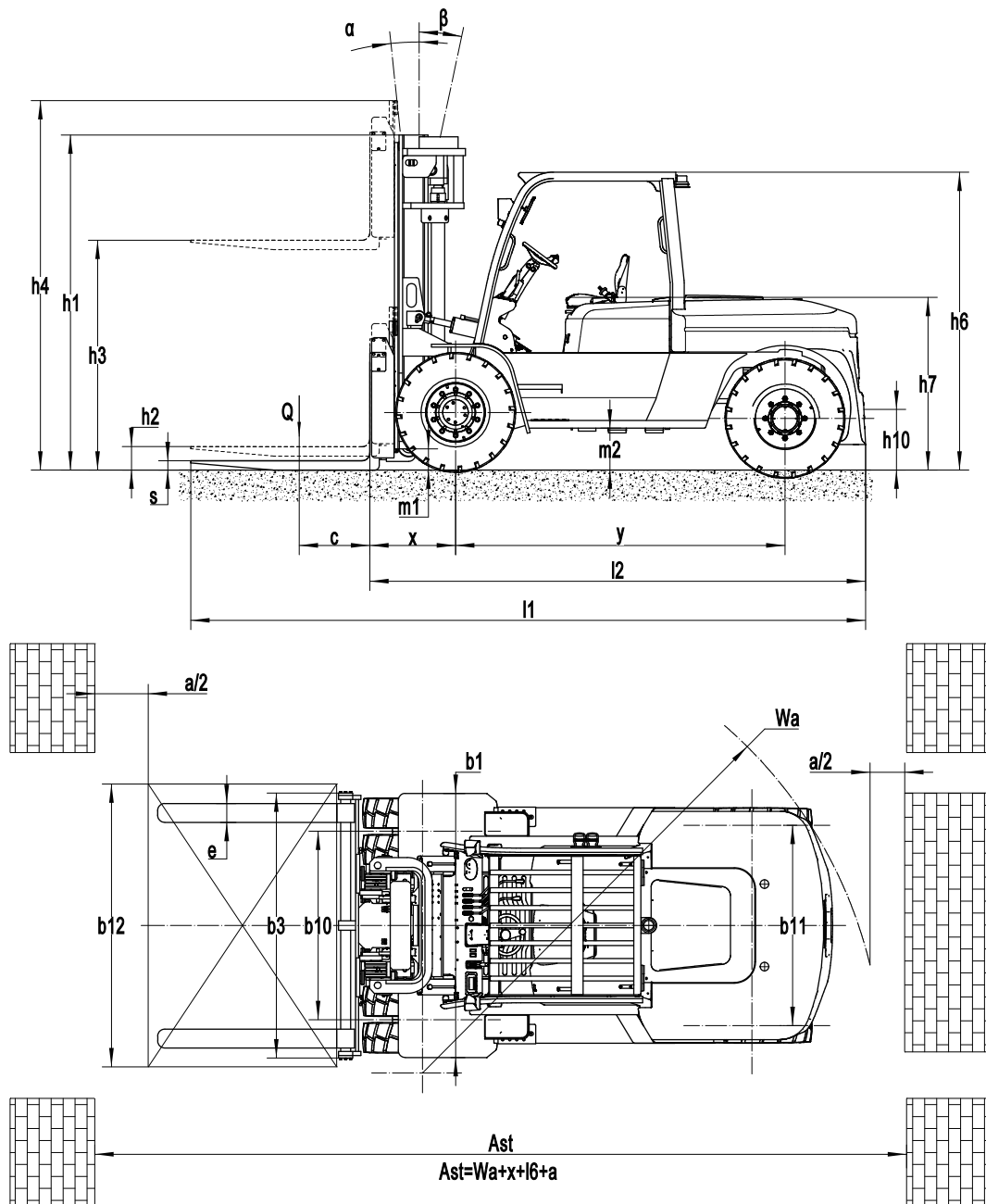
- Different fork length customization
- Roller-guided forks/ forks with terminal west
- 309.12V/228Ah LFP Battery / 307V/206Ah LFP battery
- 40kW external 3-phase charger, 63A plug / Customized fast charger 60-80kW available
- Fork positioner with sideshift/ integrate fork positioner with sideshift with pin type forks
- Customized fork carriage (width and type)
- Wide selection of duplex, duplex free lift and triplex mast with elevations up to 7000mm
- Solid tyres / non marking tyres
- All weather cabin with tubber damping frame connection, heater and air conditioner, defrost and defogging function
- Cigarette lighter interface 12V
- Reverse voice horn (English)
- Front blue spot
- Back blue spot
- Rotating warning light / rotating buzzer warning light
- Front fog light
- Grammer seat based on customer needs
- Curve speed
- Overspeed alarm
- Back distance sensor
- Rear camera with LCD display
- USB interface 5V
- LED front working light on mast

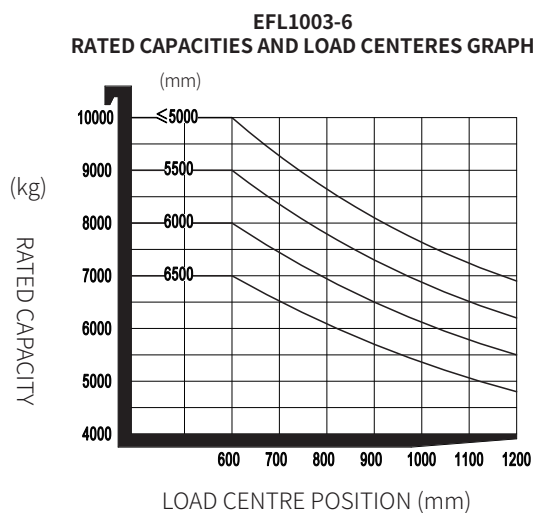
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EFL803-HV/EFL1003-HV

Distinguishing mark	1.1	Manufacturer			EP	EP	EP
	1.2	Model designation			EFL803-HV-6	EFL803-HV-9	EFL1003-HV-6
	1.3	Drive			electric	electric	electric
	1.4	Operator type			seated	seated	seated
	1.5	Load capacity	Q	kg	8000	8000	10000
	1.6	Load center distance	c	mm	600	900	600
	1.8	Load distance, centre of drive axle to fork	x	mm	708	718	713
	1.9	Wheelbase	y	mm	2500	2500	2500
Service weight	2.1	Service weight		kg	12325	13900	13900
	2.2	Axle loading, laden front/rear		kg	18290/2035	19250/2650	21340/2560
	2.3	Axle loading, unladen front/rear		kg	6105/6220	6090/7810	6090/7810
Tyres/chassis	3.1	Tyre type			pneumatic	pneumatic	pneumatic
	3.2	Tyre size, front			9.00-20-14PR	9.00-20-14PR	9.00-20-14PR
	3.3	Tyre size, rear			9.00-20-14PR	9.00-20-14PR	9.00-20-14PR
	3.5	Wheels, number front/rear (x=drive wheels)		mm	4x/ 2	4x/ 2	4x/ 2
	3.6	Tread width, front	b10	mm	1600	1600	1600
	3.7	Tread width, rear	b11	mm	1700	1700	1700
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12	6/12	6/12
	4.2	Retracted mast height	h1	mm	2850	2850	2850
	4.3	Free lift	h2	mm	200	200	200
	4.4	Lift height	h3	mm	3000	3000	3000
	4.5	Height, mast extended	h4	mm	4310	4310	4310
	4.7	Height of overhead guard (cabin)	h6	mm	2580	2580	2580
	4.8	Seat height/standing height	h7	mm	1550	1550	1550
	4.12	Tow coupling height	h10	mm	630	630	630
	4.19	Overall length	l1	mm	5475	5785	5480
	4.20	Length to face of forks	l2	mm	3955	3965	3960
	4.21	Overall width	b1/b2	mm	2200	2200	2200
	4.22	Fork dimensions	s/e/l	mm	75×160×1520	85×160×1820	80×160×1520
	4.23	A,B Fork carriage class/type A, B			/	/	/
	4.24	Fork carriage width	b3	mm	2130	2130	2130
	4.31	Ground clearance, laden, below mast	m1	mm	250	250	250
	4.32	Ground clearance, center of wheelbase	m2	mm	345	345	345
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	6033	6343	6038
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	6033	6343	6038
	4.35	Turning radius	Wa	mm	3605	3605	3605
Performance data	5.1	Travel speed, laden/unladen		km/ h	29/30	29/30	29/30
	5.2	Lifting speed, laden/unladen		m/s	0.39/0.47	0.39/0.47	0.39/0.47
	5.3	Lowering speed, laden/unladen		m/s	0.46/0.4	0.46/0.4	0.46/0.4
	5.5	Drawbar pull, laden/unladen		N	/	/	/
	5.6	Max. drawbar pull, laden/unladen		N	/	/	/
	5.8	Max. gradeability, laden/unladen		%	22/30	22/30	22/30
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic
	5.11	Parking brake			Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW	60	60	60
	6.2	Lift motor rating at S3 15%		kW	2x27.8	2x27.8	2x27.8
	6.4	Battery voltage/nominal capacity		V/Ah	309.12V/304AH	309.12V/304AH	309.12V/304AH
	6.5	Battery weight		kg	860	860	860
Addition data	8.1	Type of drive control			PMSM	PMSM	PMSM
	10.5	Steering design			Hydraulic	Hydraulic	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.





Mast Option

Mast types	Lift height (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	3000	2850	4310	—	200	—
	3500	3100	4810	—	200	—
	4000	3350	5310	—	200	—
	4500	3650	5810	—	200	—
	5000	3900	6310	—	200	—
	5500	4200	6810	—	200	—
	6000	4450	7310	—	200	—
	6500	4750	7810	—	200	—
2-Free Mast	3000	2850	4545	—	1305	—
	3600	3150	5145	—	1605	—
	4000	3350	5545	—	1805	—
3-Free Mast	4500	2850	6055	—	1305	—
	4800	2950	6355	—	1405	—
	5000	3050	6555	—	1505	—
	5500	3200	7055	—	1655	—
	6000	3350	7555	—	1805	—
	6500	3630	8055	—	2085	—
	7000	3800	8555	—	2255	—