

EFL803-HV EFL1003-HV



High Capacity Electric Counterbalanced Forklift 8-10T



Company brand			Tria	Tria	Tria
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	h4	mm	4310	4310	4310
Length to face of forks	l2	mm	3955	3965	3960
Overall width	b1/b2	mm	2200	2200	2200
Fork dimensions	s/e/l	mm	75×160×1520	85×160×1820	80×160×1520
Turning radius	Wa	mm	3605	3605	3605
Travel speed, laden/unladen		km/ h	29/30	29/30	29/30
Lifting speed, laden/unladen		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	309V/304AH	309V/304AH	309V/304AH



Rua Murilo de Campos Castro, 27 - Pq Rural Fazenda Santa Cândida - Campinas/SP
CEP: 13087-541 | Telefone: (19) 3256-2800 | www.tria.log.br | contato@tria.log.br



Standard Configuration

- Fork positioner with pin type forks
- Fork length 1520 (600mm LC) / 1820mm (900mm LC)
- 2130mm 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
- Back handle with horn button
- Lighting package: LED front working light (with steering light, width light), LED tricolor taillights, LED rear working light, Strobe warning light



Options

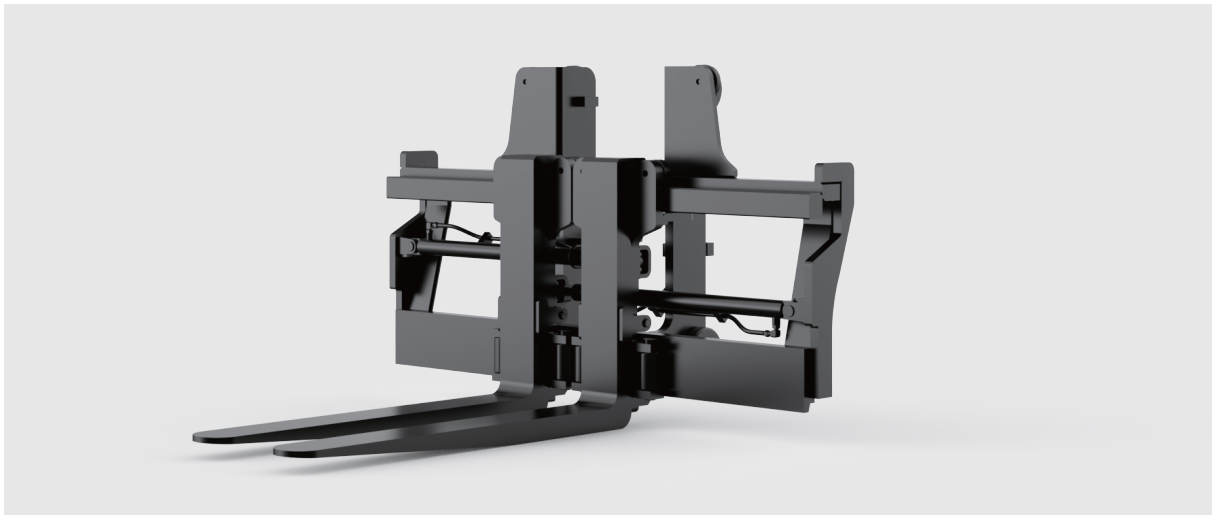
- Different fork length customization
- Customized fork carriage (width and type)
- Attachments:
 - Fork positioner with sideshift: Forks with terminal west
 - Fork positioner with sideshift: Roller guiden forks
- 309.12V228Ah LFP battery
- Chargers
 - 20kw (3 phase AC 370V-460V, 50-60HZ, 32A plug)
 - 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
- Rear camera with LCD display
- Lights:
 - 4 LED front working lights on mast
 - Rotating warning light / rotating buzzer warning light
 - Back blue spot
 - Front blue spot
 - Front fog light
- Cigarette lighter interface 12V
- USB interface 5V
- Deceleration at turns
- 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
 - Upgrade full cabin: basic full cabin, air conditioner, defogging device



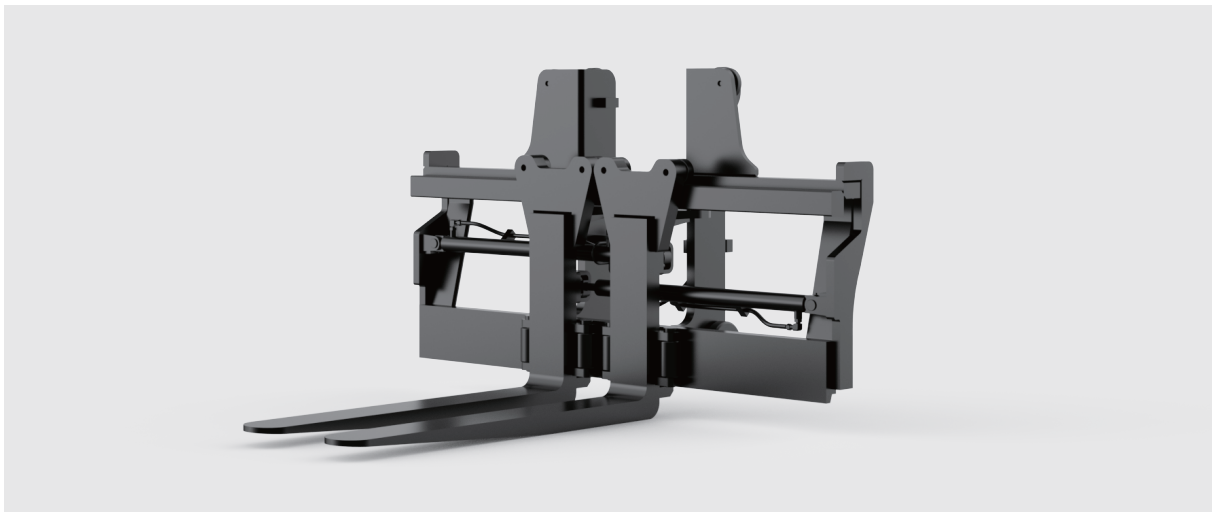
01 - Fork positioner with pin type forks



02 - Fork positioner with sideshift: forks with terminal west



03 - Fork positioner with sideshift: roller guiden forks



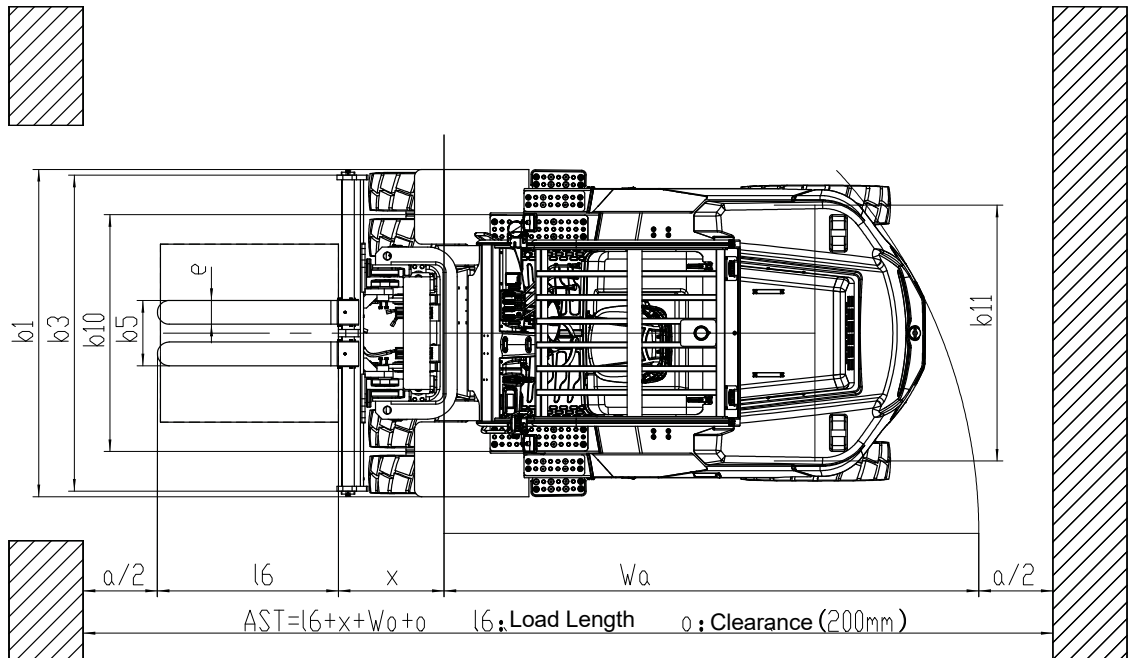
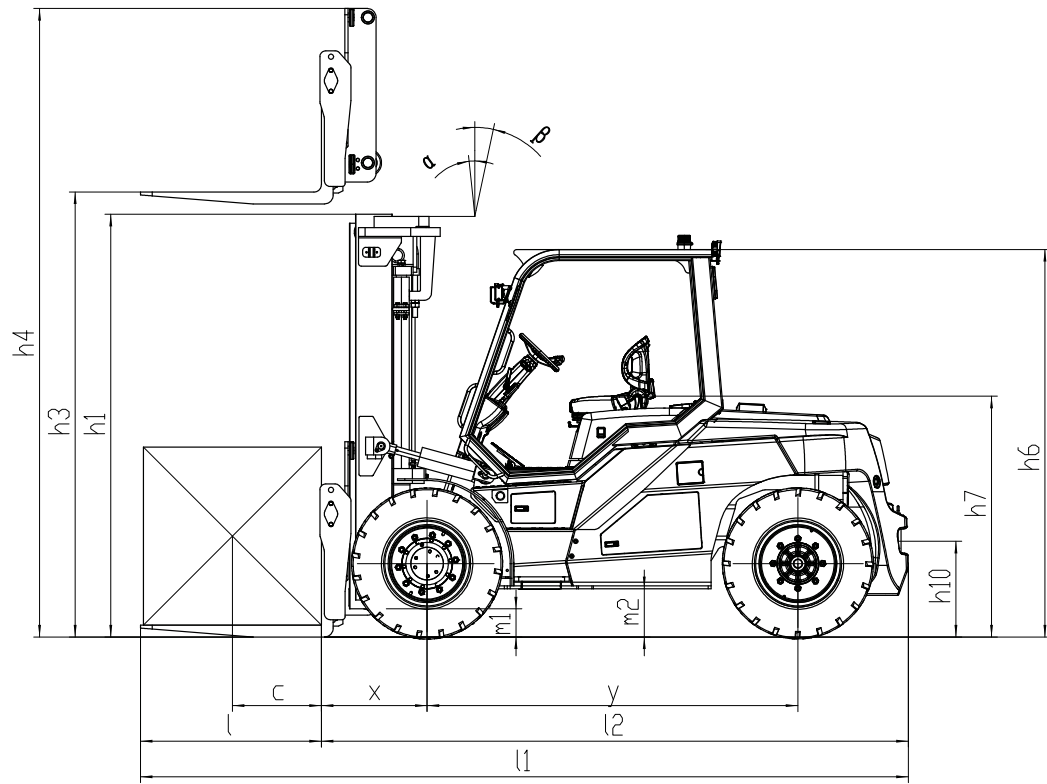


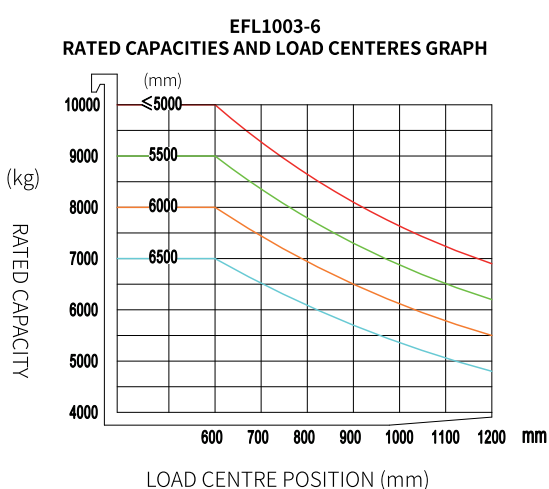
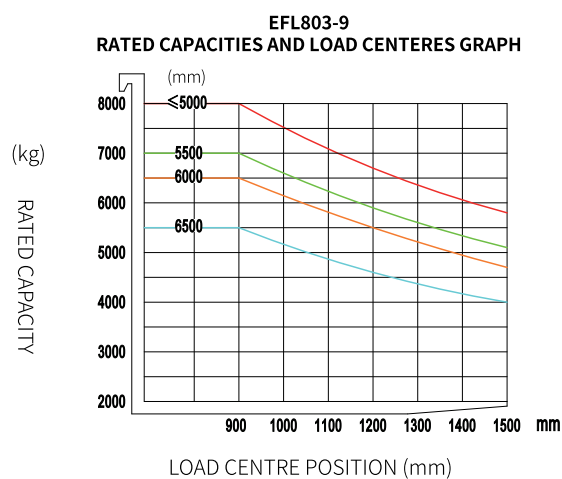
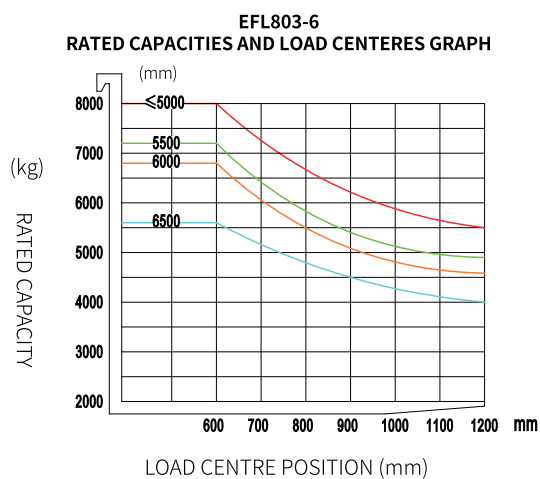
High Capacity Electric Counterbalanced Forklift 8-10T

EFL803-HV/EFL1003-HV

Distinguishing mark	1.1	Company brand		Tria		Tria		Tria	
	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	
Service weight	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		
Tyres/chassis	1.9	Wheelbase	y	mm	2500	2500	2500		
	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		
	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		
Dimensions	3.6	Tread width, front	b10	mm	1600	1600	1600		
	3.7	Tread width, rear	b11	mm	1700	1700	1700		
	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	2680	2680	2680		
	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		
Performance data	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		
	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	/	/	/		
Electric-engine	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		
	6.1	Drive motor rating S2 60 min		kW	60	60	60		
Addition data	6.2	Lift motor rating at S3 15%		kW	2x27.8	2x27.8	2x27.8		
	6.4	Battery voltage/nominal capacity		V/Ah	309V/304AH	309V/304AH	309V/304AH		
	6.5	Battery weight		kg	860	860	860		
	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)	Tilt		Load distance(X)			Weight, Mast		
		Height, mast lowered(ht)	Height, mast extended(h4)		Forward (α)	Backward (β)	Fork Positioner with sideshift , double solid tyres					
							8t	9t	10t	8t	9t	10t
	mm	mm	mm	mm	Deg	Deg	mm	mm	mm	mm	mm	mm
2-Standard Mast	3000	2850	4310	200	6	12	708	713	713	3072	3092	3092
	3500	3100	4810	200	6	12	708	713	713	3165	3185	3185
	4000	3350	5310	200	6	12	708	713	713	3355	3375	3375
	4500	3650	5810	200	6	6	708	713	713	3460	3480	3480
	5000	3900	6310	200	6	6	708	713	713	3572	3592	3592
	5500	4200	6810	200	3	6	708	713	713	3823	3843	3843
	6000	4450	7310	200	3	6	708	713	713	3923	3943	3943
	6500	4750	7810	200	3	6	708	713	713	4035	4055	4055
2-Free Mast	3000	2850	4310	1305	6	12	—	—	—	—	—	—
	3500	3100	4810	1555	6	12	—	—	—	—	—	—
	4000	3350	5310	1805	6	12	—	—	—	—	—	—
3-Free Mast	4500	2950	5950	1500	6	6	787	792	792	3632	3652	3652
	5000	3117	6450	1667	6	6	787	792	792	3746	3766	3766
	5500	3283	6950	1833	3	6	787	792	792	3880	3900	3900
	6000	3450	7450	2000	3	6	787	792	792	4020	4040	4040
	6500	3617	7950	2167	3	6	787	792	792	4160	4180	4180
	7000	3783	8450	2333	3	6	787	792	792	4300	4320	4320

*the weight of mast includes the weight of fork carriage and fork