

TFT

Electric Rough Terrain Forklift

3-in-1

Designed for rough terrain application
Perform like an IC forklift
With Li-ion battery

www.carretillastft.com



TFT's electric rough terrain forklift stands out as an ideal solution for efficient material handling tasks in challenging terrains. Its exceptional performance and advanced design excel in outdoor work scenarios, providing a dependable solution for material transport needs.

The **TFT** electric rough terrain forklift signifies an efficient, environmentally friendly, and reliable solution for material handling tasks. Its exceptional performance in challenging outdoor environments makes it an ideal choice across various industries.



CONCEPT DESCRIPTION

Intelligent Control Systems

Equipped with advanced control systems like intelligent braking, precise handling, and user-friendly operations. These features enable operators to precisely control the forklift in complex terrains, boosting work efficiency.

Ease of Maintenance

Designed with simplicity and reliability in mind, reducing maintenance costs and time. This includes fewer electric motor components and easy detachable parts, facilitating maintenance and repair tasks.

Driver-centric Cabin

Offers a spacious and comfortable cabin space, ergonomically designed to provide a convenient control and operating experience, reducing operator fatigue.



Applications

Its multi-functional nature allows exceptional performance in various industrial and outdoor settings. From agriculture and construction to logistics and outdoor operations, it handles a wide range of loading, carrying, and stacking tasks efficiently.

Eco-friendly and Energy-efficient Design

The TIF's electric rough terrain forklift incorporates an advanced electric drive system, emitting zero exhaust, minimal noise, and vibration, meeting environmental standards. This eco-friendly design reduces environmental impact while ensuring a comfortable working environment for operators.

Adaptability to Diverse Terrains

Specifically designed suspension systems and high-strength chassis enable easy maneuvering across rough and challenging terrains, including muddy, uneven surfaces, and slopes, ensuring stability and reliability.

High Efficiency

The electric drive system ensures reliable and efficient power output, guaranteeing excellent material handling capabilities, thereby enhancing work efficiency and operational flexibility.



GRADEABILITY

Up to **30%** performance between diesel engine powered 2WD and 4WD, suitable for most of middle-low rough terrain application.

DRIVE SPEED

20 km/hours, the fastest electric forklift in market.

CHARGING TIME

Less than **2** hours, quick charge, high efficiency

OVERALL WIDTH

1450 mm, designed for Orchard constrains.

LIFTING SPEED

380 mm/Sec, perform like a IC engine powered forklift.

LOWERED HEIGHT

2135 mm, allows container and door ways operation.

GROHOS CLEARANCE

270 mm, high ground clearance for rough terrain application.

TURNING RADIUS

2730 mm, independent drive wheel, great maneuverability.



Truck Specification

General	1	Model			R2818-Li	R2825-Li
Characteristics & Dimensions	2	Power Type			Lithium battery	Lithium battery
	2	Rated capacity	Kg		1800	2500
	4	Load centre	mm		500	500
	5	Free lift height	mm		105	105
	6	Fork size	LxWxT	mm	1070x100x35	1070x122x35
	7	Fork regulating range	Min./Max.	mm	200-1000	250-1160
	8	Mast tilt angle	F/R	Deg	10/12	10/12
	9	Front overhang		mm	580	580
	10	Rear overhang		mm	475	475
	11	Min. ground clearance		mm	270	270
Performance	12	Overall dimensions	Length to face of fork(without fork)	mm	2871	2871
	13		Overall width	mm	1450	1450
	14		Mast lowered height	mm	2230	2230
	15		Mast extend height(with backrest)	mm	4170	4170
	16		Overhead guard height	mm	2135	2135
	17	Turning radius		mm	2870	2870
	18	Min. right angle stacking aisle width	a=1000 L=1200	mm	4460	4460
	19		a=1200 L=800	mm	4460	4460
	20	Speed	Travel(Laden/Unladen)	Km/h	18/20	18/20
	21		Lifting(Laden)	mm/s	300	350
	22		Lowering(Laden)	mm/s	400	410
Tyre	23	Max. Drawbar pull(Laden)		KN	30	30
	24	Max. Gradeability(Laden)		%	30	25
	25	Type	Front		12-16.5-12PR	12-16.5-12PR
	26		Rear		27x10-12-12PR	27x10-12-12PR
	27	Tread	Front	mm	1143	1143
	28		Rear	mm	1205	1205
	29	Wheelbase		mm	1840	1840
Weight	30	Self weight		Kg	3490	4080
	31	Weight Distribution	Laden	Front axle	Kg	4620
	32			Rear axle	Kg	770
	33		Unladen	Front axle	Kg	1390
	34			Rear axle	Kg	2100
Power & Transmission	35	Battery	Voltage/Capacity	V/Ah	80/230	76.8/350
	36	motor	Manufacture		Superec	Superec
	37		Rated power	Kw	10	10
	38		Nominal voltage	V	50	50
	39		Rated speed	Rpm	2050	2050
	40		TMAX	N.m	170	170
	41		Manufacture		PMP	PMP
	42		Input power	Kw	7-8	7-8
	43		Max input speed	Rpm	4400	4400
	44		Max continuous output torque	N.m	3000	3000
	45			Mpa	14.5	17.5

Mast Specification

MAST		TYPE	LIFTING HEIGHT ON FORK (mm)	OVERALL HEIGHT MAST LOWERED (mm)	FREE LIFT ON FORKS (mm)		MAST TILTING ANGLE FRONT/REAR	CAPACITY AT MAX. HEIGHT (Kg)	
					WITH Bracket	WITHOUT Bracket		WITHOUT SIDE SHIFT CARRIAGE	WITH SIDE SHIFT CARRIAGE
Wide View 2 stage mast	3.0m	2.5T	3000	2230	165	165	10/12°	2500	2500
		1.8T		2230	165	165	10/12°	1800	1800
	3.3m	2.5T	3300	2300	165	165	10/12°	2500	2500
		1.8T		2300	165	165	10/12°	1800	1800
	3.3m	2.5T	3300	2300	165	165	10/12°	1800	1800
		1.8T		2485	165	165	10/12°	2500	2500
	3.7m	2.5T	3700	2480	165	165	10/12°	1800	1800
		1.8T		2580	165	165	10/12°	2500	2500
	3.7m	2.5T	3700	2500	165	165	10/12°	2500	2500
		1.8T		2580	165	165	10/12°	1800	1800
Full free 3 stage mast	4.0m	2.5T	4000	2780	165	165	10/12°	2500	2500
		1.8T		2780	165	165	10/12°	1800	1800
	4.5m	2.5T	4500	3030	165	165	10/12°	2200	2100
		1.8T		3080	783	1246	10/12°	1500	1400
	3.7m	2.5T	3700	1985	783	1246	10/12°	1800	2400
		1.8T		2075	893	1338	10/12°	1800	1800
	4.35m	2.5T	4350	2200	1018	1463	10/12°	2400	2200
		1.8T		2200	1018	1463	10/12°	1800	1700
	4.35m	2.5T	4700	2315	1133	1578	10/12°	2100	1900
		1.8T		2315	1133	1578	10/12°	1650	1450
	4.7m	2.5T	4700	2460	1238	1716	10/12°	1650	1450
		1.8T		2460	1268	1578	6/6°	1900	1700
	5m	2.5T	5000	2460	1268	1716	6/6°	1500	1300
		1.8T		2615	1433	1878	6/6°	1400	1400
	5.5m	2.5T	5500	2615	1433	1878	6/6°	1200	1000
		1.8T		2800	1618	2063	6/6°	1200	1000
	6m	2.5T	6000	2800	1618	2063	6/6°	800	600
		1.8T		3015	1833	2278	6/6°	700	500
	6.5m	2.5T	6500	3015	1833	2278	6/6°	500	300
		1.8T		3015	1833	2278	6/6°	500	300

