

Electric Rough Terrain Forklift

3-in-1

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



MAVERICK
MATERIAL HANDLING



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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 easily 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.



The 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.

Versatile 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.

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.

Eco-friendly and Energy-efficient Design

The 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.

LIFTING SPEED

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

DRIVE SPEED

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

LOWERED HEIGHT

2135 mm, allows container and door ways operation.

CHARGING TIME

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

GROUND CLEARANCE

270 mm, high ground clearance for rough terrain application.

OVERALL WIDTH

1450 mm, designed for Orchard constrains.

TURNING RADIUS

2730 mm, independent drive wheel, great maneuverability.



Truck Specification

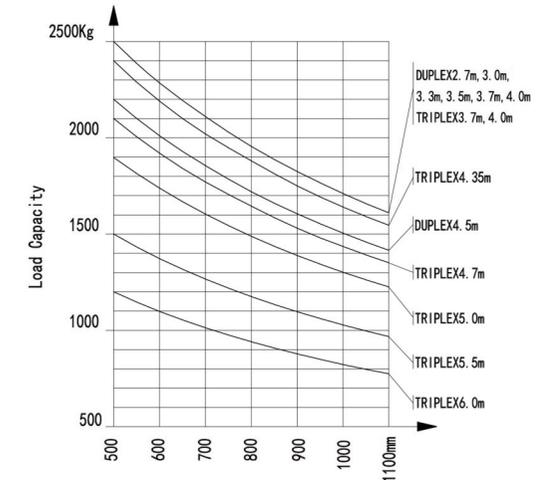
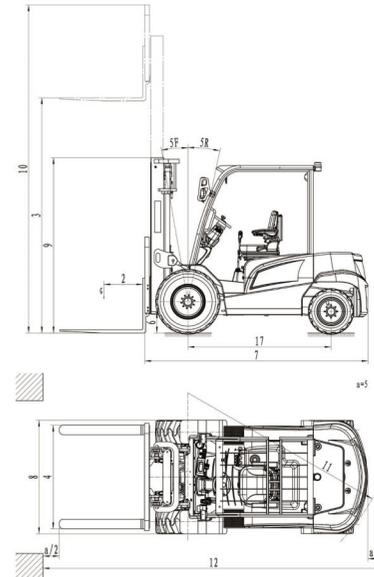
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General		R2B18-Li		R2B25-Li		
1	Model					
2	Power type		Lithium battery		Lithium battery	
3	Rated capacity	Kg	1800		2500	
4	Load centre	mm	500		500	
5	Free lift height	mm	105		105	
6	Fork size	L×W×T	1070×100×35		1070×122×35	
7	Fork regulating range	Min./Max.	200-1000		250-1160	
8	Mast tilt angle	F/R	10/12		10/12	
9	Front overhang	mm	580		580	
10	Rear overhang	mm	475		475	
11	Min.ground clearance	mm	270		270	
12	Overall dimensions	Length to face of fork(without fork)	2871		2871	
13		Overall width	1450		1450	
14		Mast lowered height	2230		2230	
15		Mast extend height(with backrest)	4170		4170	
16	Overhead guard height	mm	2135		2135	
17	Turning radius	mm	2870		2870	
18	Min.right angle stacking aisle width	a=1000,b=1200	4860		4860	
19		a=1200,b=800	4460		4460	
20	Speed	Travel(Laden/Unladen)	18/20		18/20	
21		Lifting(Laden)	380		350	
22		Lowering(Laden)	400		410	
23	Max.Drawbar pull(Laden)	KN	30		30	
24	Max.Gradeability(Laden)	%	30		25	
25	Tyre	Front	12-16.5-12PR		12-16.5-12PR	
26		Rear	27x10-12-12PR		27x10-12-12PR	
27	Tread	Front	1143		1143	
28		Rear	1205		1205	
29	Wheelbase	mm	1840		1840	
30	Self weight	Kg	3490		4080	
31	Weight Distribution	Laden	Front axle	4620		5800
32			Rear axle	770		780
33		Unladen	Front axle	1390		1700
34			Rear axle	2100		2380
35	Battery	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	Transmission	input power	Kw	7-8		7-8
43		Max input speed	Rpm	4400		4400
44		Max continuous output torque	N.m	3000		3000
45	Operating pressure	Mpa	14.5		17.5	

Mast Specification

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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	M330	2.5T	3300	2380	165	165	10/12°	2500	2500	
		1.8T		2300	105	105	10/12°	1800	1800	
	M350	2.5T	3500	2485	165	165	10/12°	2500	2500	
		1.8T		2400	105	105	10/12°	1800	1800	
	M370	2.5T	3700	2580	165	165	10/12°	2500	2500	
		1.8T		2500	105	105	10/12°	1800	1800	
	M400	2.5T	4000	2780	165	165	10/12°	2500	2500	
		1.8T		2700	105	105	10/12°	1800	1800	
	M450	2.5T	4500	3030	165	165	10/12°	2200	2100	
		1.8T		2950	105	105	10/12°	1500	1400	
	Full free 3 stage mast	TFM370	2.5T	3700	1985	783	1245	10/12°	2500	2400
			2.5T		2075	893	1338	10/12°	2500	2400
TFM400		2.5T	4000	2035	865	1335	10/12°	1800	1800	
		1.8T		2200	1018	1463	10/12°	2400	2200	
TFM435		2.5T	4350	2160	990	1460	10/12°	1800	1600	
		1.8T		2315	1133	1578	10/12°	2100	1900	
TFM470		2.5T	4700	2275	1110	1610	10/12°	1450	1350	
		1.8T		2450	1268	1716	6/6°	1900	1600	
TFM500		2.5T	5000	2410	1240	1710	6/6°	1300	1200	
		1.8T		2615	1433	1878	6/6°	1500	1200	
TFM550		2.5T	5500	2575	1400	1870	6/6°	1000	900	
		1.8T		2800	1618	2043	6/6°	1200	800	
TFM600	2.5T	6000	2760	1590	2060	6/6°	800	600		
	1.8T		3015	1833	2278	6/6°	700	400		
TFM650	2.5T	6500	2975	1805	2275	6/6°	450	300		
	1.8T									



2.5T Rough Terrain Forklift Load Curve