

LITHIUM-ION

FE2RT SERIES

2WD Rough Terrain
3,500 - 5,000 lbs. Capacity
Lithium-Iron Forklift



3-in-1

Designed for rough terrain applications. Performs like an IC engine with all the advantages of Lithium-iron.



GRADEABILITY

Up to **30%**, suitable for most middle-to-low rough terrain applications.

DRIVE SPEED

12.4 mph, the fastest electric forklift in the market.

CHARGING TIME

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

OVERALL WIDTH

57 inches, designed for Orchard constraints.

LIFTING SPEED

74.8 fpm, performs like an IC engine powered forklift.

LOWERED HEIGHT

84 inches, allows for container and doorway operation.

GROUND CLEARANCE

10.6 inches, high ground clearance for rough terrain applications.

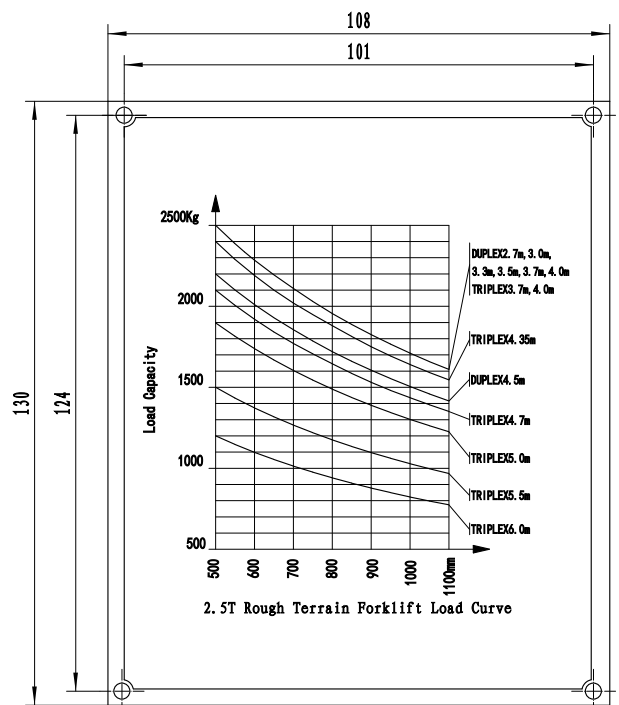
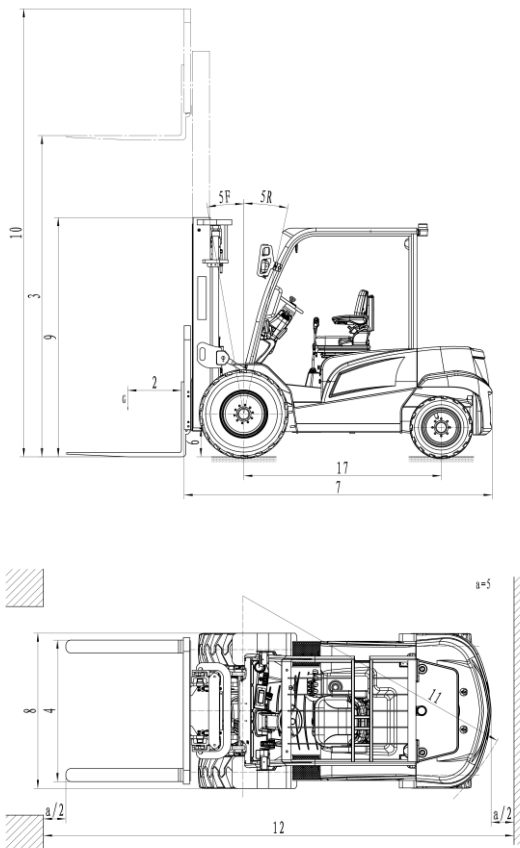
TURNING RADIUS

107.5 inches, independent drive wheel, great maneuverability.



CONFIGURATIONS

Dimension	Overall width	57 in	Designed for Orchard constraints
	Overall height	84 in	Allows container and doorway operation
Productivity	Ground clearance	10.6 in	High ground clearance for rough terrain application
	Turning radius	107.5 in	Independent drive wheel, great maneuverability
	Gradeability	30% with load	Meets the requirements of most middle-to-low applications
	Drive speed	12.4 mph	The fastest electric forklift in Market
	Lifting speed	74.7 fpm	Performs like an IC engine powered forklift
Green Power LI-ION	Working hours	4-6hours	Integrated BMS continually monitors energy management, ensures reliability
	Charging time	Less than 2 hours	Quick charge, high efficiency
	Emission	no limitation in EU&US	Environmentally friendly
Safety	Water proof		IP54 Water-proof standard
	Brakes	Wet-disc brake	Higher stability and reliability than traditional drum brakes
	Ops system		OPS system disables traction and operation when driver leaves seat
Ergonomic	Noise	dB(A)	Operator hearing protection
	Vibration		Reduces driver fatigue
	Operation space		Operating space more than 40% larger than conventional electric forklift
TOC total cost of ownership	Energy saving	10KWH/hour	60-70% lower operation cost than diesel powered engine
	Maintenance cost		Maintenance free no-brush AC motor, low service cost



FORKLIFT SPECIFICATION

RT Series 1.8T & 2.5T

General

Model			FE2RT18-LI		FE2RT25-LI
1	Power Type		Li-ion battery		Li-ion battery
2	Load center	in	19.7		19.7

Characteristic & Dimension

3	Lift height		in	118.1		118.1
4	Fork regulating range	Min./Max.	in	7.9-39.4		9.8-45.7
5	Mast tilt angle	F/R	Deg	10/12		10/12
6	Min.ground clearance		in	10.6		10.6
7	Overall dimensions	Length to face of fork(without fork)	in	112.2		113
8		Overall width	in	57		57
9		Mast lowered height	in	84		87.8
10		Mast extend height(with backrest)	in	163.2		164.2
11	Turning radius		in	107.5		107.5
12	Min.right angle	a=1000,b=1200	in	189		199.3
13	stacking aisle width	a=1200,b=800	in	173.2		175.6

Performance

14		Lifting(Laden)	fps	74.8		68.9
15		Lowering(Laden)	fps	88.6		88.6
16	Max. Gradeability(Laden)		%	30		25

Tire

17	Wheelbase		in	72.4		72.4
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Weight

18	Self weight		lb	8,024.8		9,876.7
19	Weight Distribution	Laden	Front axle	lb	10,405.8	13,448.2
20			Rear axle	lb	1,587.3	1,940.1
21		Unladen	Front axle	lb	3,174.7	3,968.3
22			Rear axle	lb	4,850.1	5,908.4

Power & Transmission

23	Battery	Voltage/Capacity	V/Ah	80/220		80/320
24	Motor	Manufacture		ZAPI		ZAPI
25	Transmission	Manufacture		PMP		PMP
26	Operating pressure		psi	2,103		2,538.2