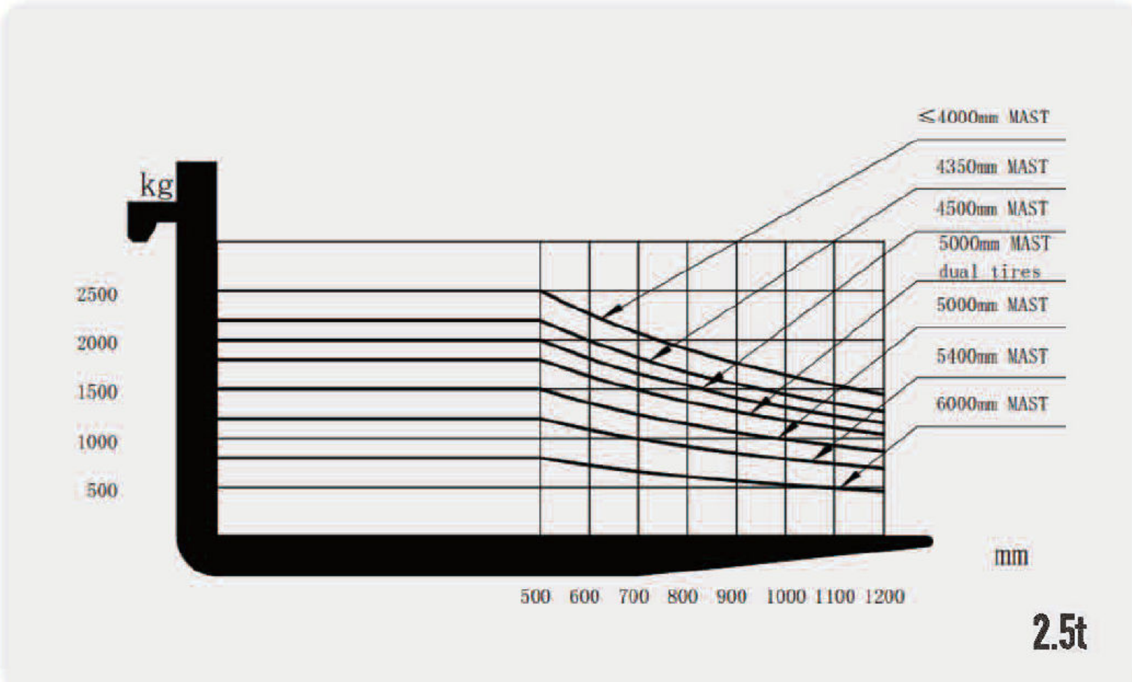
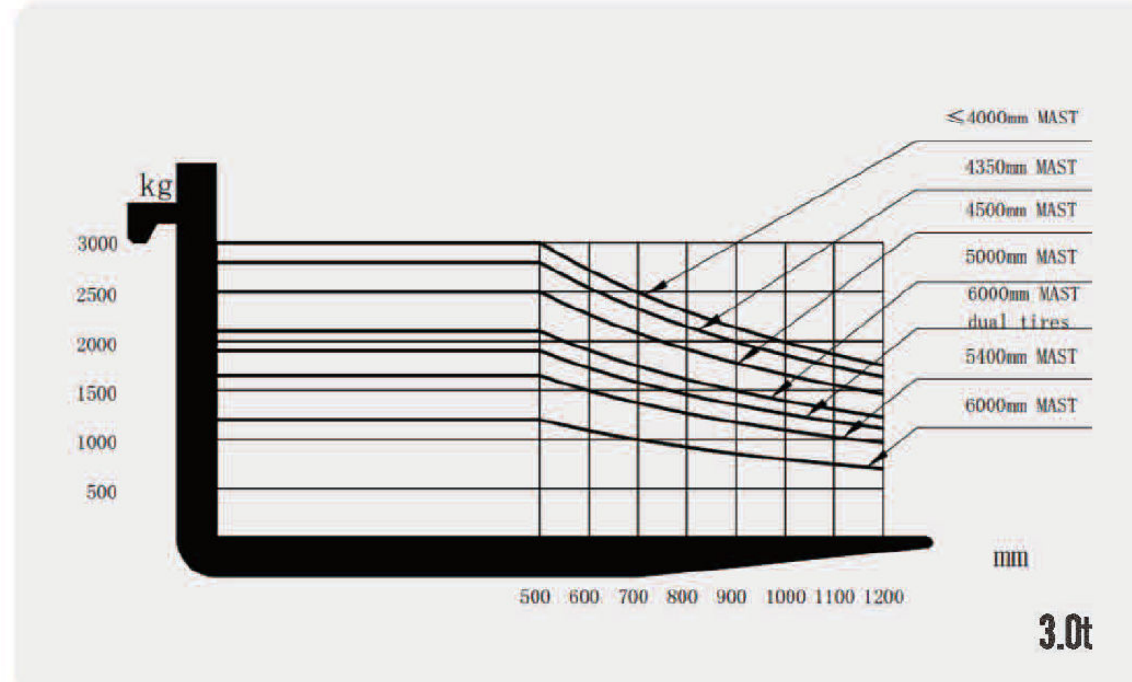
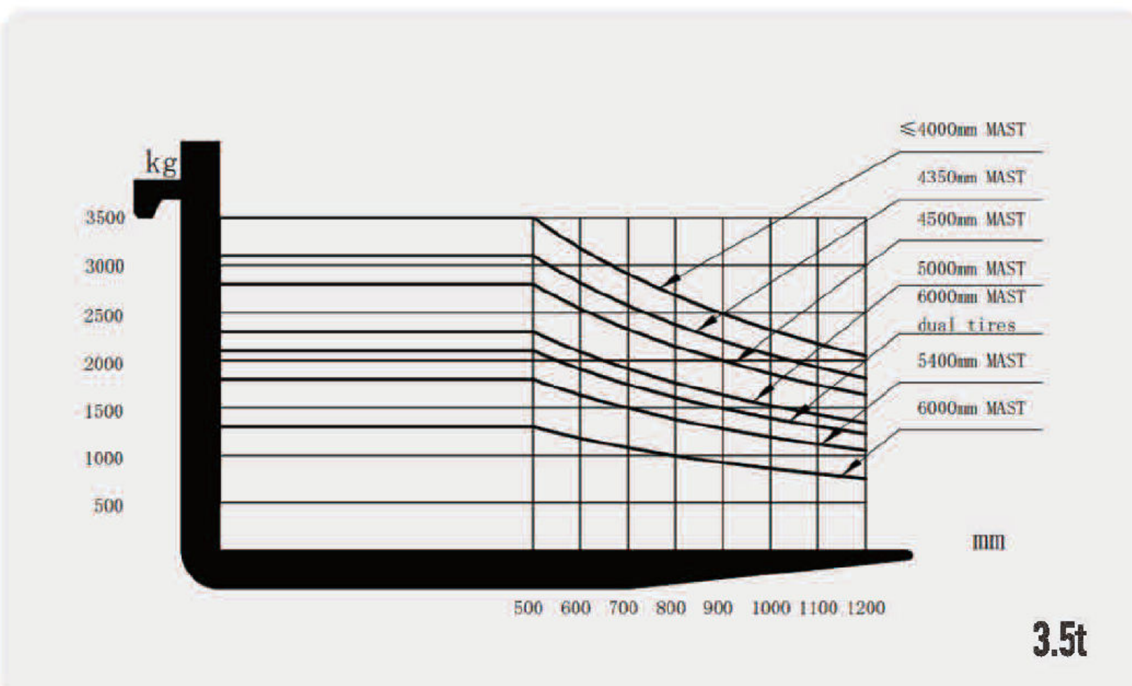
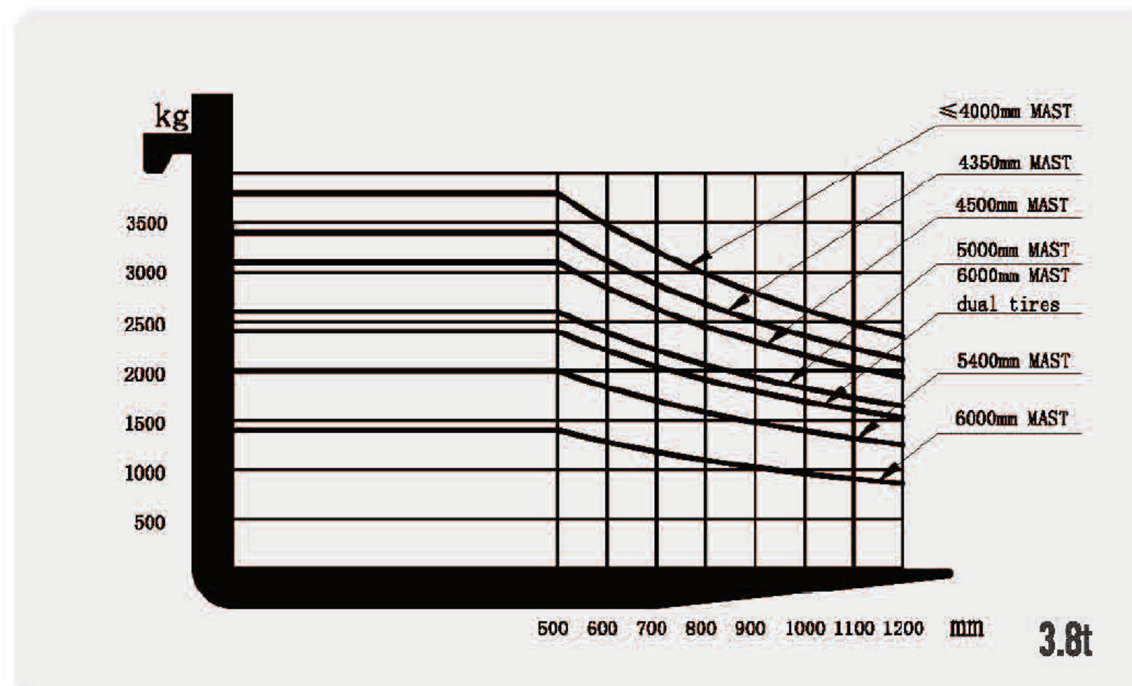
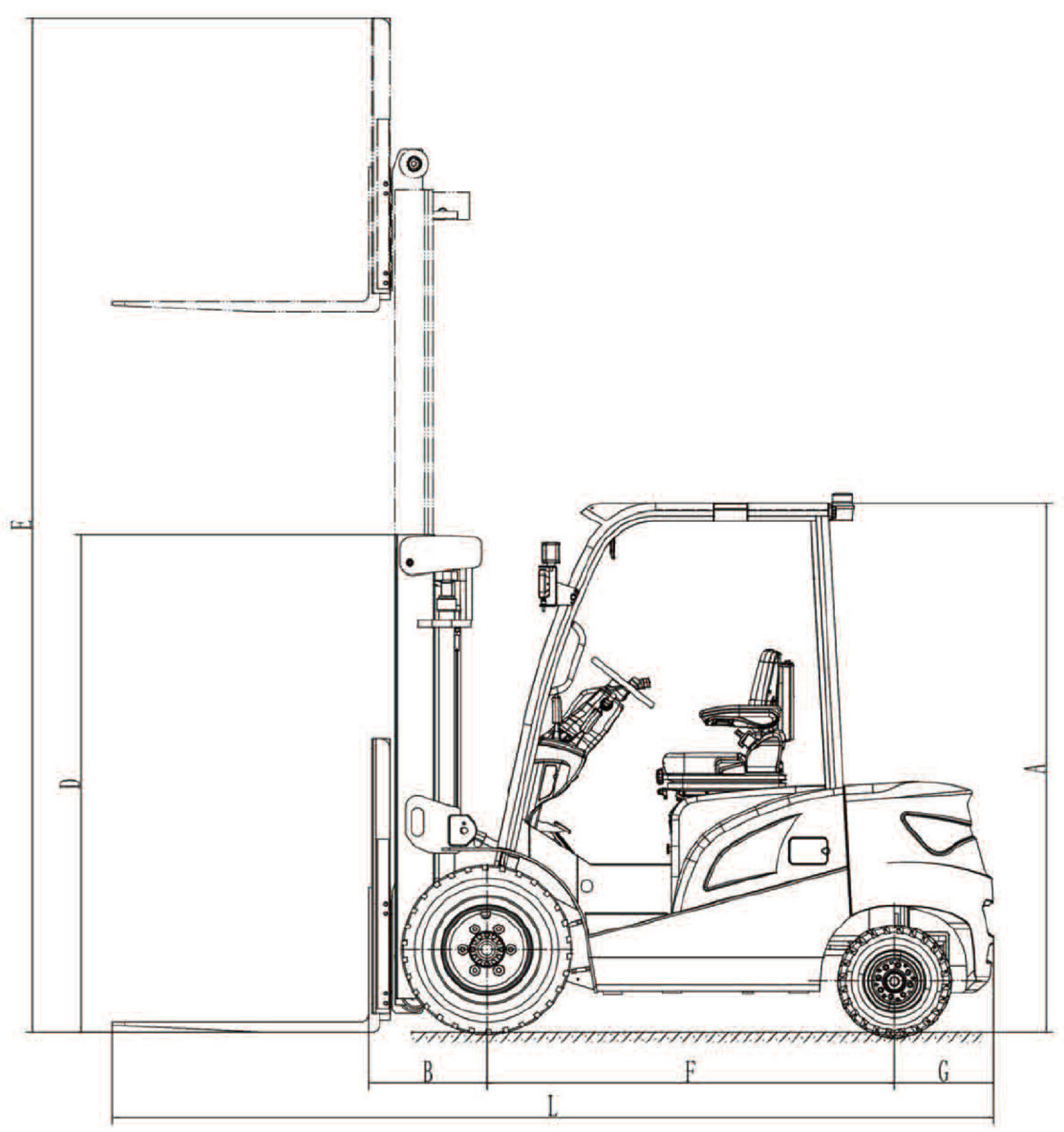
New Lithium-ion Electric Forklift 2.5-3.8T

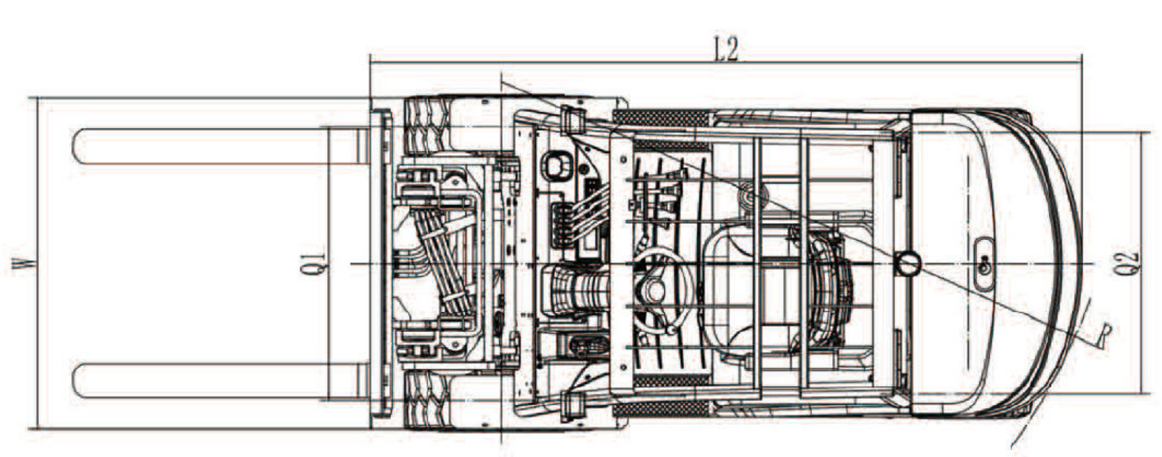












CE CERTIFICATE ISO14001:2004 ISO9001:2000

MAVERICK MATERIAL HANDLING

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MAVERICK
MATERIAL HANDLING

CONCEPT DESCRIPTION

Out Door and In Door Application

- Employs IC forklift's power.
- Compact electric forklift size with a tight turning radius.

Simple, Solid, Durable

- Simple operation and easy maintenance
- Enhanced durability with die-cast iron side panels and injection-molded instrument cover.
- High quality EIC system
- Quality mature components ensure durable performance

Premium Exterior Design

- Modern design for an appealing appearance.
- LED lights, USB port, Waterproof connectors

Energy Efficiency

- Utilizes permanent magnet system, saving 15% energy compared to AC systems.
- Lunch-time" fast charging with optional power charger.

High Cost-effectiveness

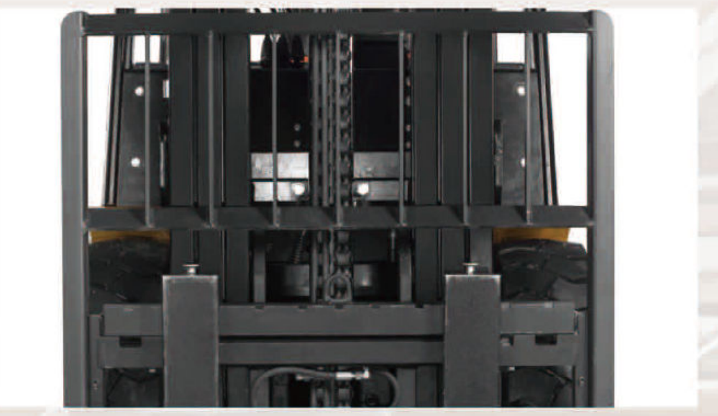
- Implements strict cost control of high-quality EIC system.
- Best battery cost-effective range 76.8V/175-460Ah, covering 90% forklift working conditions.

Ergonomic Design for Comfort

- Provides a raised steering wheel and operating handle.
- Optimal visibility of 3-stage mast.
- Modern suspended brakes.

The overhead guard is designed for easy lifting of the li-ion battery

Ergonomic design on raised steering wheel and operating handle



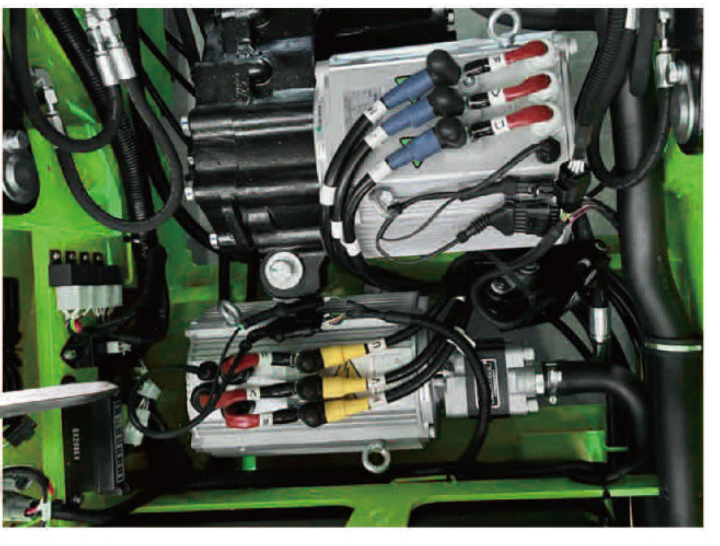
Wide-View mast with patented design, Offering the driver optimal visibility

Side plates and battery cover are made from die-cast iron, creating a strong and solid body

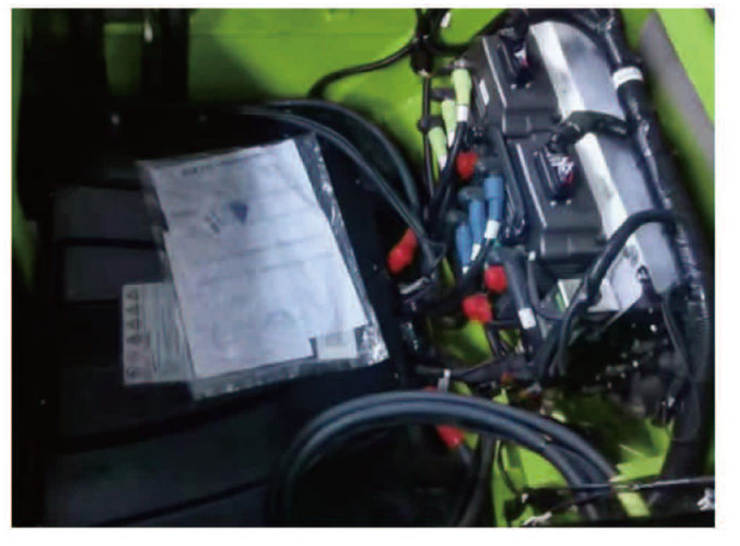
Injection molding for the instrument panel cover provides a superior texture

The compact counterweight and small wheel design enable a smaller turning radius in confined workspace

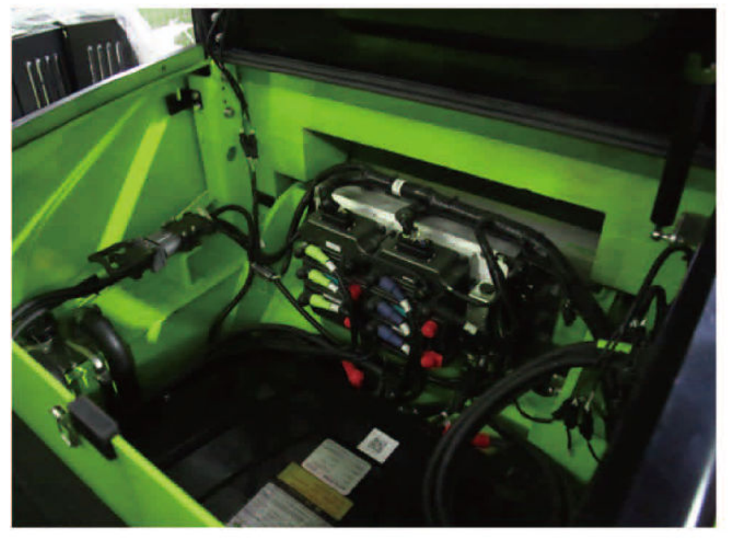
The counterweight eliminates air vents , enhances the solidity and safety



Permanent Magnet Synchronous Motor
Offers over 15% more energy efficiency compared to AC motors



Premium Li-ion Battery
Boasts high-quality Li-ion batteries backed by a 5-year/10,000-hour warranty.



The large battery compartment design allows for a wider range of battery options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MATERIAL HANDLING
LIFTING SPEED
350 mm/Sec, perform like a IC engine powered forklift.
LOWERED HEIGHT
2205 mm, allows container and door ways operation.
OVERALL WIDTH
1210 mm, Higher passability than traditional electric forklift.
TURNING RADIUS
2270 mm, enable a smaller turning radius in confined workspace.
GRADEABILITY
Up to 18% with full load, ensuring safety performance on slopes.
DRIVE SPEED
18/17 km/hours, the fast speed ensuring efficiency.
CHARGING TIME
2 hours, quick charge can optional, high efficiency.
GROUND CLEARANCE
125-140 mm clearance, approximately 30% higher than traditional forklift.
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LI-ION
30
MAVERICK

Section	No.	Item			Unit	FB25-EH	FB28-EH	FB30-EH	FB35-EH	FB38-EH
General	1	Model				FB25-EH	FB28-EH	FB30-EH	FB35-EH	FB38-EH
	2	Rated capacity			kg	2500	2800	3000	3500	3800
	3	Load center			mm	500	500	500	500	500
Characteristic & Dimension	4	Lift height			mm	3000	3000	3000	3000	3000
	5	Mast tilt angle	F/R		Deg	6/12	6/12	6/12	6/12	6/12
	6	Fork size	L×W×T		mm	1070×122×40	1070×122×40	1070×125×45	1070×130×50	1070×130×50
	7		Regulating range		mm	250-1000	250-1000	250-1060	260-1060	260-1060
	8	Front overhang			mm	475	475	490	510	510
	9	Rear overhang			mm	380	380	410	410	440
	10	Min ground clearance (Bottom of mast)			mm	125	125	140	140	140
	11	Overall dimensions	Length to face of fork(without forks)		mm	2485	2485	2590	2607	2639
	12		Overall width		mm	1150	1150	1210	1210	1210
	13		Overall height	Overhead guard height	mm	2180	2180	2205	2205	2205
	14			Mast	mm	2010	2010	2075	2150	2150
	15			Mast extended height	mm	3990	3990	4182	4177	4177
	16	Min turning radius			mm	2165	2165	2270	2270	2300
Performance	17	Speed	Travel (Unladen/Laden)		km/h	18/17	18/16	18/17	18/17	18/16
	18		Lifting (Unladen/Laden)		mm/sec	460/350	460/330	460/350	420/330	420/300
	19		Lowering (Laden)		mm/sec	400	400	400	450	450
	20	Max drawbar pull (Unladen/Laden)			KN	15/17	15/17	15/17	15/17	15/17
	21	Max gradeability (Unladen/Laden)			%	25/18	25/17	25/18	25/17	23/15
	22	Permanent Motor	Drive motor power		kw	11.5	11.5	15	15	15
	23		Drive motor torque		N.m	125	125	160	160	160
	24		Pump motor power		kw	16.5	16.5	22.6	22.6	22.6
	25		Pump motor torque		N.m	75	75	110	110	110
	26	Lithium Battery	Standard		V/Ah	80/205	80/205	80/205	80/205	80/205
	27		Option		V/Ah	76.8/175-460 80/175-460				
	28	Tyre	Front		/	7.00-12-12PR	7.00-12-12PR	28*9-15-14PR	28*9-15-14PR	28*9-15-14PR
	29		Rear		/	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-16PR	18×7-8PR
	30	Tread	Front		mm	970	970	1000	1000	1000
	31		Rear		mm	954	954	954	954	954
	32	Wheelbase			mm	1630	1630	1700	1700	1700
Weight	33	Self weight			kg	3800	3955	4320	4660	4830
	34	Weight distribution	Laden	Front Axle	kg	5570	6005	6550	7310	7730
	35			Rear Axle	kg	730	750	770	850	900
	36		Unladen	Front Axle	kg	1550	1595	1730	1780	1810
	37			Rear Axle	kg	2250	2360	2590	2880	3020

Type	Model	Max fork height	Overall height: Lowered	Overall height: Extended, Without backrest	Overall height: Extended, With backrest	Free lift: Without backrest	Free lift: With backrest	Front overhang	Tilt range: FWD	Tilt range: BWD	Capacity: Load capacity at 500mm, Single tyre
			2.5t	2.5t	2.5t			2.5t			2.5t
		mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg
Wide view 2 stage mast	M330	3300	2160	3875	4390	160	160	476	6	12	2500
	M350	3500	2260	4075	4590	160	160	476	6	12	2500
	M400	4000	2560	4575	5090	160	160	476	6	6	2500
	M450	4500	2810	5075	5590	160	160	476	6	6	2100
	M500	5000	3060	5575	6090	160	160	476	6	6	1600
	M600	6000	3610	6575	7090	160	160	476	3	6	900
stage mast Full free 3	TFM435	4350	2060	4953	5440	1457	970	495	6	6	2200
	TFM450	4500	2110	5103	5590	1507	1020	495	6	6	2000
	TFM480	4800	2210	5403	5890	1607	1120	495	6	6	1700
	TFM500	5000	2310	5603	6090	1707	1220	495	6	6	1500
	TFM600	6000	2660	6603	7090	2057	1570	495	3	6	800
	TFM650	6500	2875	7103	7590	2272	1785	495	3	6	500

Type	Model	Max fork height	Overall height: Lowered		Overall height: Extended, Without backrest		Overall height: Extended, With backrest		Free lift: Without backrest		Free lift: With backrest		Front overhang		Tilt range: FWD	Tilt range: BWD	Capacity: Load capacity at 500mm, Single tyre	
			3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t			3t	3.5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg
Wide view 2 stage mast	M330	3300	2225	2300	3938	4008	4482	4477	165	170	165	170	490	510	6	12	3000	3500
	M350	3500	2325	2400	4138	4208	4682	4677	165	170	165	170	490	510	6	12	3000	3500
	M400	4000	2625	2700	4638	4708	5182	5177	165	170	165	170	490	510	6	6	3000	3300
	M450	4500	2875	2950	5138	5208	5682	5677	165	170	165	170	490	510	6	6	2600	2900
	M500	5000	3125	3200	5638	5708	6182	6177	165	170	165	170	490	510	6	6	2100	2400
	M600	6000	3675	3750	6638	6708	7182	7177	165	170	165	170	490	510	3	6	1300	1400
Full free 3 stage mast	TFM435	4350	2075	2150	5068	5138	5532	5527	1357	1362	893	973	500	510	6	6	2800	3100
	TFM450	4500	2125	2200	5218	5288	5682	5677	1407	1412	943	1023	500	510	6	6	2500	2800
	TFM480	4800	2225	2300	5518	5588	5982	5977	1507	1512	1043	1123	500	510	6	6	2250	2500
	TFM500	5000	2325	2400	5718	5788	6182	6177	1607	1612	1143	1223	500	510	6	6	2100	2300
	TFM600	6000	2675	2750	6718	6788	7182	7177	1957	1962	1493	1573	500	510	3	6	1200	1300
	TFM650	6500	2892	2965	7218	7288	7682	7677	2174	2177	1710	1788	500	510	3	6	700	800

Type	Model	Max fork height	Overall height: Lowered	Overall height: Extended, Without backrest	Overall height: Extended, With backrest	Free lift: Without backrest	Free lift: With backrest	Front overhang	Tilt range: FWD	Tilt range: BWD	Capacity: Load capacity at 500mm, Single tyre
			3.8t	3.8t	3.8t	3.8t	3.8t	3.8t			3.8t
		mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg
Wide view 2 stage mast	M330	3300	2300	4008	4477	170	170	510	6	12	3800
	M350	3500	2400	4208	4677	170	170	510	6	12	3800
	M400	4000	2700	4708	5177	170	170	510	6	6	3600
	M450	4500	2950	5208	5677	170	170	510	6	6	3200
	M500	5000	3200	5708	6177	170	170	510	6	6	2700
	M600	6000	3750	6708	7177	170	170	510	3	6	1500
Full free 3 stage mast	TFM435	4350	2150	5138	5527	1362	973	510	6	6	3400
	TFM450	4500	2200	5288	5677	1412	1023	510	6	6	3100
	TFM480	4800	2300	5588	5977	1512	1123	510	6	6	2800
	TFM500	5000	2400	5788	6177	1612	1223	510	6	6	2600
	TFM600	6000	2750	6788	7177	1962	1573	510	3	6	1400
	TFM650	6500	2965	7288	7677	2177	1788	510	3	6	800