FBM45-50(C)LU

FOUR WHEEL LI-ION ELECTRIC FORKLIFT

4.5 - 5.0 TONS



LI-ION ELECTRIC FORKLIFT

Developed with a focus on stable operation and dependable performance, the FBM lithium electric forklift is designed to support medium to high-intensity work applications. Efficient energy utilisation and consistent power delivery contribute to reduced maintenance requirements and reliable daily operation. The FBM series is available in load capacities of 4.5 and 5.0 tonnes.

ERGONOMICS

- Long operating lever enables effective braking with reduced effort
- Ratchet-type parking brake provides 15% secure holding on ramps
- Adjustable U-shaped steering wheel and front-mounted controls support natural operation
- Large LED display presents clear vehicle operating information



EFFICIENCY

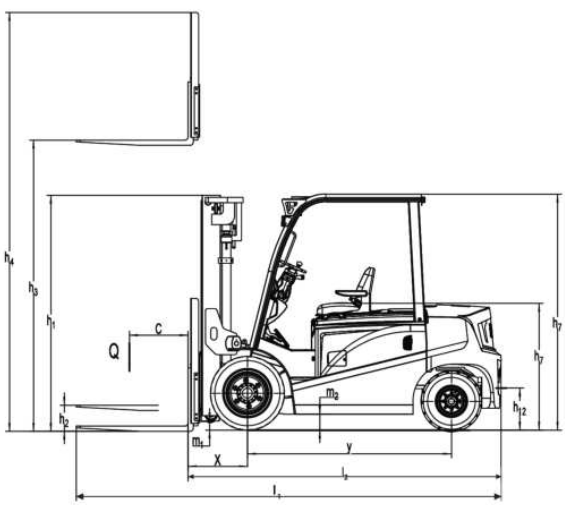
- Fast charging supports high operational availability
- Stable power output enables consistent work performance
- Li-ion power system reduces maintenance requirements

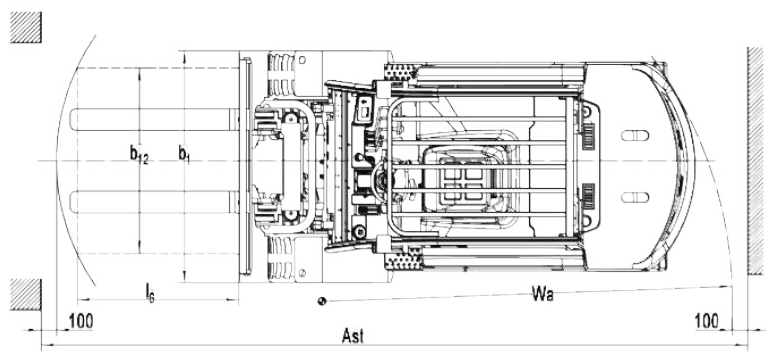
SAFETY

- Robust mast and rigid chassis support stable vehicle behaviour
- High-performance tyres provide reliable traction indoors and outdoors
- Wide mast visibility improves operator awareness during handling

SPECIFICATIONS

CHARACTERISTICS					
1.1	Manufacture (abbreviation)		TCM Forklift Trucks		
1.2	FBM		FBM45LU	FBM50CLU	FBM50LU
1.3	Drive: Electric (Battery or Mains), Diesel, Petrol gas, Manual		Electric		
1.4	Type of operation (Hand, Pedestrian, Standing, Seated, Order-picker)		Seated		
1.5	Load capacity/rated load	Q (kg)	4500	5000	
1.6	Load centre distance	c (mm)	500		600
1.7	Load distance, centre of drive axle to fork	x (mm)	563		568
1.8	Wheelbase	y (mm)	1950		
WEIGHT					
2.1	Service weight incl. battery (see line 6.5)	lbs (kg)	6500	6950	7400
2.2	Axle loading, laden front/rear	lbs (kg)	9850/1150	10610/1360	10800/1600
2.3	Axle loading, unladen front/rear	lbs (kg)	2960/3540	2750/4200	2800/4600
WHEEL CHASSIS					
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		Solid rubber		
3.2	Tyres size, front		250-15		28 x 12.5 - 15
3.3	Tyres size, rear		23 x 9 - 10		
3.4	Wheels, number front/rear (x=driven wheels)		2 / x 2		
3.5	Track width, front	b10 (mm)	1200		1185
3.6	Track width, rear	b11 (mm)	1125		
BASIC DIMENSIONS					
4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6 / 10		
4.2	Lowered mast height	h1 (mm)	2250		
4.3	Free lift	h2 (mm)	150		
4.4	Lift height	h3 (mm)	3000		
4.5	Extended mast height	h4 (mm)	4117		
4.6	Overhead load guard height	h6 (mm)	2265		
4.7	Seat height/standing height	h7 (mm)	1200		
4.8	Coupling height	h10 (mm)	490		
4.9	Overall length	l1 (mm)	4090		4095
4.10	Length to face of forks	l2 (mm)	3040		
4.11	Overall width	b1 (mm)	1500		
4.12	Fork dimensions	s/e/l (mm)	50/150/1070		55/150/1070
4.13	Fork carriage width	b3 (mm)	1380		
4.14	Ground clearance, laden, under mast	m1 (mm)	135		
4.15	Ground clearance, centre of wheelbase	m2 (mm)	165		
4.16	Aisle width for pallets 1000×1200 crossways	Ast (mm)	4453		4458
4.17	Aisle width for pallets 800×1200 lengthways	Ast (mm)	4653		4658
4.18	Turning radius	Wa (mm)	2690		
PERFORMANCE DATA					
5.1	Travel speed,laden/unladen	km/h	14 / 15		
5.2	Lift speed,laden/unladen	m/s	0.3 / 0.42		0.3 / 0.4
5.3	lowering speed,laden/unladen	m/s	0.38 / 0.3		
5.4	Drawbar pull, laden/unladen S2 60min	N	6000 / 6500	6200 / 6650	
5.5	Max drawbar pull, laden/unladen S2 5 min	N	17800 / 17500	18500 / 18000	
5.6	Max.Gradient performance, laden/unladen S2 30 min	%	15/20		
5.7	Service brake		Mechanical		
ELECTRIC MOTOR					
6.1	Drive motor rating S2 60 min	kW	20		
6.2	Lift motor rating at S3 15%	kW	26		
6.3	Battery standard		Li-Ion		
6.4	Battery voltage, nominal capacity K5	V/Ah	76.8 / 412		
6.5	Battery weight	kg	330 / 420		
	Battery dimensions l/w/h	mm	1200 / 810 / 610		
OTHER DETAILS					
8.1	Type of drive control		AC		
8.2	Operating pressure for attachments	MPa	18.5		
8.3	Oil volume for attachments	l/min	65		
8.4	Sound level at driver's ear according to EN 12053	dB(A)	75		







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Note:
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Features and specification may vary depending on markets.
Performance data and dimensions are normal and subject to tolerances.
Produced in ISO certified factory.

FLITE0004(05/26)