Electric Counterbalance Pneumatic Tyre Forklift

FBM25-35LX Range

2.5-3.5 Tons



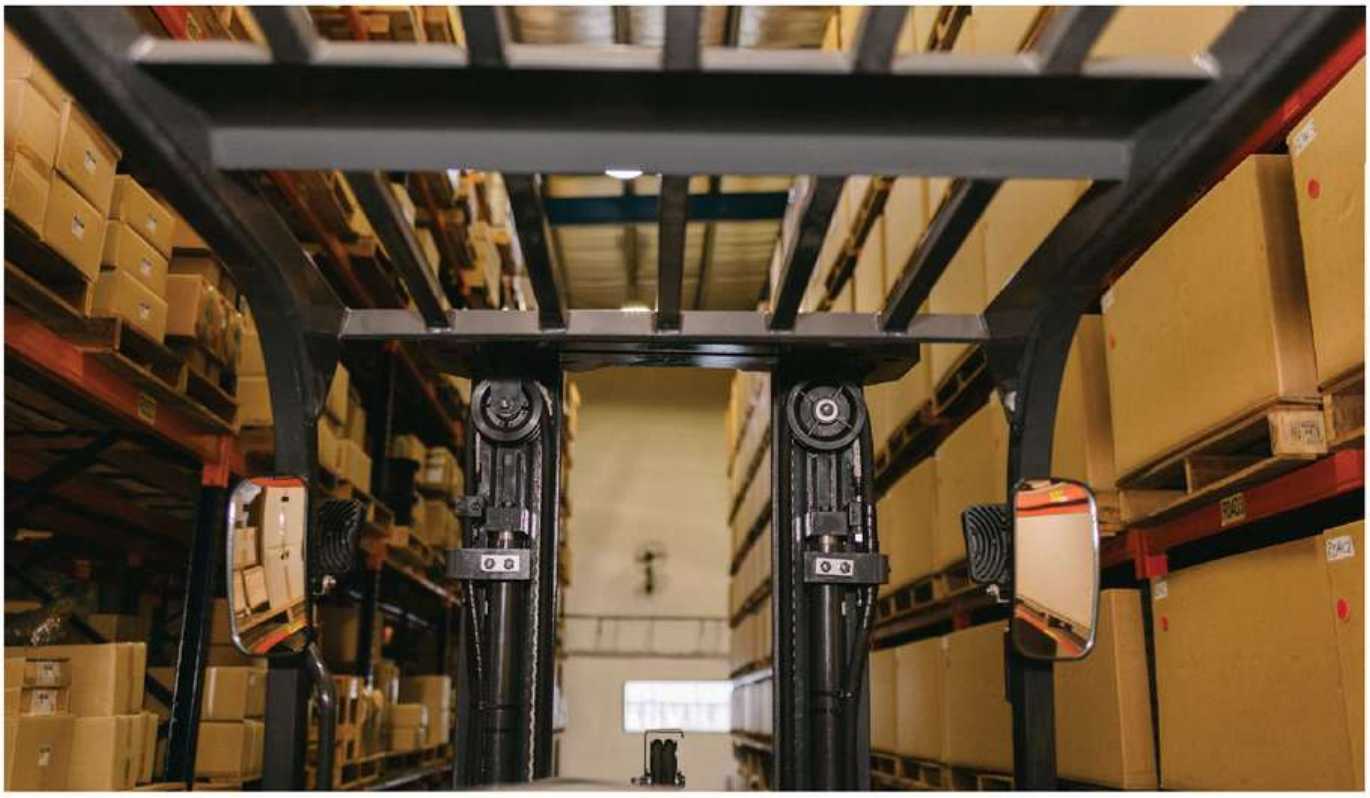
Engineered for practical, everyday operations, the TCM FBM25-35LX range delivers competitive and affordable electric performance for businesses seeking a straightforward, no-frills solution. Built with a strong chassis, durable components, and proven electric technology, it is designed to perform a wide range of standard, day-to-day tasks with confidence. Value-driven and easy to operate, the FBM25-35LX offers economical reliability and flexible configurations — making it ideal for basic to medium-intensity material-handling applications.



BUILT TOUGH.
LIFT STRONG.

WIDE-VIEW LIFTING AREA

The wide-view mast and optimised overhead guard geometry provide a clear view of the fork tips across the lift range, while the clear straight line design offers good rear visibility during reversing.







STABLE RAMP PERFORMANCE

Speed is regulated automatically during uphill and downhill travel to support steady, easy operation. The truck maintains controlled movement on slopes without requiring constant pedal input.

REINFORCED STABILITY LAYOUT

A chassis designed with a low centre of gravity through optimised weight distribution, delivers superior stability and confident, precise handling.

ERGONOMICALLY BUILT

COMFORTABLE OPERATOR STATION

A robust suspension seat with Operator Presence System and integrated seatbelt is standard. Steering column and seat position can be adjusted to suit different operators and shift patterns.



USER-FRIENDLY CONTROL LAYOUT

Accelerator and brake pedals are positioned for quick responsiveness, supporting smooth starts, steady travel, and firm stopping under load.

WATER RESISTANCE (IPX4 CLASS)

The IPX4 water-resistance rating protects the truck from splashing water on all sides, enabling reliable outdoor operation even during rainy conditions.

High-value Work Output

RIGID LIFTING STRUCTURE

A high-strength frame combined with optimised weight distribution offers stability during stacking and transport, delivering consistent lifting output.

RAMP OPERATION CAPABILITY

The FBM25-35LX provides stable direction changes and up to 15% gradeability under full load.

COMPACT TURNING CAPABILITY

A short wheelbase and optimised steering radius allow effective manoeuvring in both indoor and outdoor areas.

- FBM25LX range minimum turning radius: 2,188 mm

INTELLIGENT ENERGY REGENERATION

The FBM25-35LX range recovers electrical energy in the following conditions:

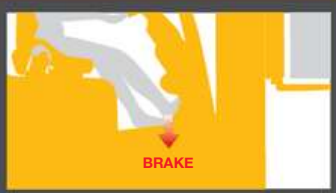
Coasting
Energy recovered when accelerator is released.



Reverse braking
Energy recovered during direction changes.



Braking
Energy recovered when foot brake is applied.



Downhill control
Energy recovered while traveling downhill.



Recovered energy is returned to the battery during deceleration, braking, reversing, and downhill travel to support overall operating efficiency.

VARIED PERFORMANCE SETUP

FOR HIGHER OPERATING LEVELS

Increase of Lift Speed
(laden/unladen) up to 480/540 mm/s



Increase of Travel Speed
(laden/unladen) to 19/20 km/h



Increase of Gradeability
(laden/unladen) to up to 22/28



Refer to specification table for individual model(s) detailed performance.

Standard Equipment

TCM Forklift Truck dealers are renowned for delivering exceptional customer service, guiding you through every phase of your ownership experience. When you invest in a TCM Forklift Truck, you'll receive:

- Two-stage, wide-view, **3 m mast**
- Standard fork length: **1,070 mm**
- **Lithium ion battery (80 V / 206 Ah)** and charger
- Load backrest (**1,000 mm** high)
- **Pneumatic tyres**
- Operator Presence System (OPS)
- **LED front headlamps**, left/right turn indicators, rear combination lamps
- **Horn and reverse buzzer**
- **Digital LCD Display Panel**
- **2-way piping and 2-section hydraulic control valve**
- **80 V full AC control system**
- **Forward adjustable steering wheel**
- **Small diameter steering wheel with knob**
- **Integral cast steering axle**

Optional Equipment & Attachments

- Lithium ion battery of higher capacities: **(304 / 350 / 460 Ah)**
- Load backrest (Variable sizes)
- **Solid tyres**
- **Side shifter**
- **Flashing Warning Lamp**

Lithium-ion Power

The FBM25-35LX range is equipped with a lithium-ion battery system engineered for everyday work, providing fast charging, long service life, and maintenance-free operation.

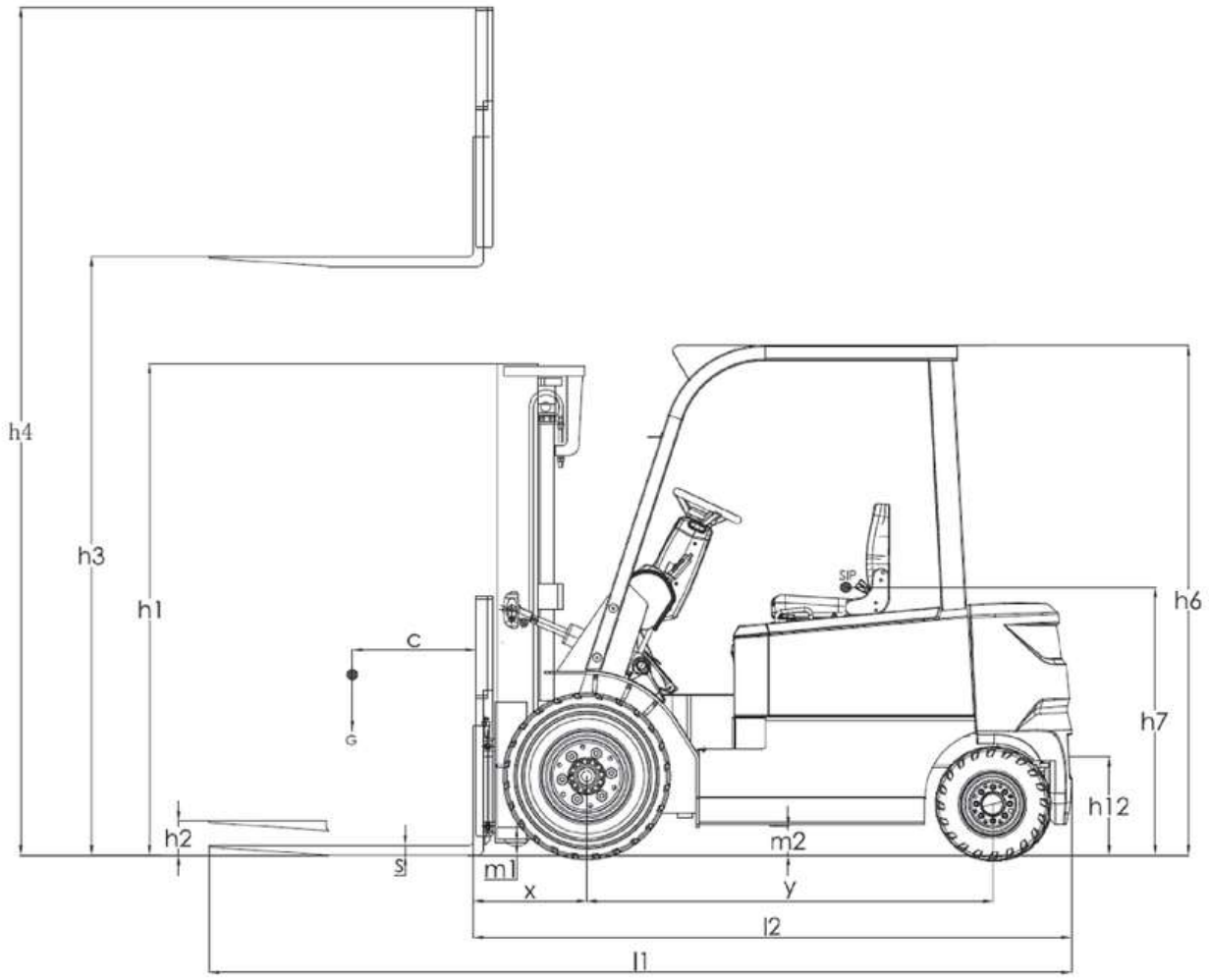


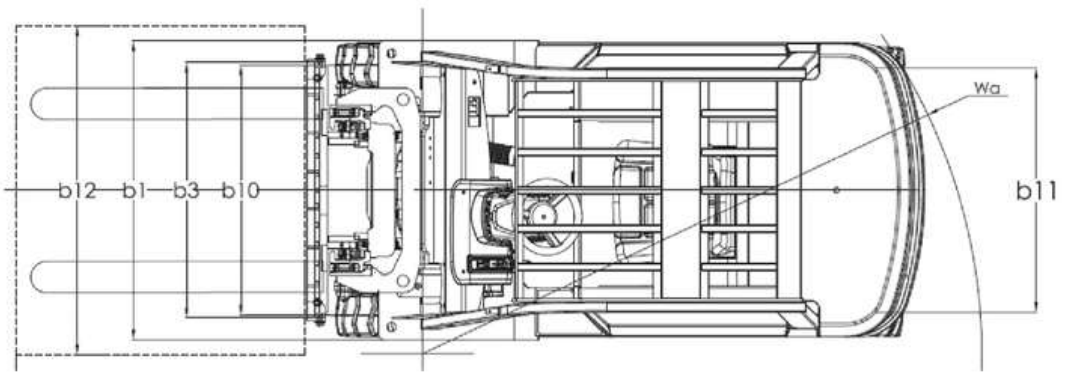
SPECIFICATION

	IDENTIFICATION					
1.1	Manufacturer	Unit		**TCM Forklift Trucks**		
1.2	Manufacturer's model			**FBM25LX**	**FBM30LX**	**FBM35LX**
1.3	Type of Drive			Electric	Electric	Electric
1.4	Type of Operation			Seated	Seated	Seated
1.5	Load Capacity/Rated Load	Q	kg	2500	3000	3500
1.6	Load Centre Distance	C	mm	500	500	500
1.7	Load Distance, Centre of Drive Axle to Fork	x	mm	460	477	482
1.8	Wheel base	y	mm	1650	1750	1750
	WEIGHTS					
2.1	Service Weight incl. Battery		kg	3842	4564	4984
2.2	Axle Loading, Laden Front/Rear		kg	5677/665	6791/773	7585/899
2.3	Axle Loading Unladen Front/Rear		kg	1723/2119	2117/2447	2121/2863
	WHEELS, CHASSIS					
3.1	Type of Tyres			Pneumatic	Pneumatic	Pneumatic
3.2	Tyres Size, Front			7.00-12-14PR	28x9-15-14PR	28x9-15-14PR
3.3	Tyres Size, Rear			18x7-8-14PR	18x7-8-16PR	18x7-8-16PR
3.4	Wheels Number Front/Rear (x =Driven Wheels)			2×/2	2×/2	2×/2
3.5	Track Width, Tread Front	b10	mm	972	1001.5	1001.5
3.6	Track Width, Tread Rear	b11	mm	957	957	957
	BASIC DIMENSIONS					
4.1	Mast/Fork Carriage Tilt Forward/Backward	∂/ß	°	6/10	6/10	6/10
4.2	Lowered Mast Height	h1	mm	1995	2180	2180
4.3	Freelift	h2	mm	140	145	150
4.4	Lift height	h3	mm	3000	3000	3000
4.5	Extended Mast Height	h4	mm	4040	4050	4050
4.6	Overhead Guard Height	h6	mm	2068	2083	2083
4.7	Seat Height/Standing Height	h7	mm	1101	1116	1116
4.8	Coupling Height	h12	mm	425	440	440
4.9	Overall Length	l1	mm	3495	3612	3617
4.10	Length to Face of Forks	l2	mm	2425	2542	2547
4.11	Overall Width	b1	mm	1170	1250	1250
4.12	Fork Dimensions	s/e/l	mm	40/122/1070	45/122/1070	50/122/1070
4.13	Fork Carriage		mm	ISO2328 2A	ISO2328 3A	ISO2328 3A
4.14	Fork Carriage Width	b3	mm	1100	1150	1150
4.15	Ground Clearance, Laden, Under Mast	m1	mm	115	130	130
4.16	Ground Clearance, Centre of Wheelbase	m2	mm	115	130	130
4.17	Stacking Aisle Width for Pallets 1000x1200 Crossways	Ast	mm	3848	3983	3988
4.18	Stacking Aisle Width for Pallets 800x1200 Crossways	Ast	mm	4048	4183	4188
4.19	Turning Radius	Wa	mm	2188	2306	2306
	PERFORMANCE DATA					
5.1	Travel Speed, Laden/Unladen		km/h	11/12 , 19/20 [1)]	11/12 , 19/20 [1)]	11/12 , 19/20 [1)]
5.2	Lift Speed, Laden/Unladen		m/s	0.30/0.40 , 0.48/0.54 [1)]	0.30/0.40 , 0.48/0.54 [1)]	0.28/0.40 , 0.42/0.55 [1)]
5.3	Lowering Speed		m/s	< 0.6	< 0.6	< 0.6
5.4	Max Gradient Performance, Laden/Unladen S_2 5min		%	15/15 , 22/28 [1)]	15/15 , 22/28 [1)]	15/15 , 22/28 [1)]
5.5	Service Brake			Hydraulic	Hydraulic	Hydraulic
5.6	Parking Brake			Mechanical	Mechanical	Mechanical
	E-MOTOR					
6.1	Drive Motor Rating S_2 60 min		kW	10, 15 [1)]	10, 16 [1)]	10, 16 [1)]
6.2	Hydraulic Motor Rating at S_3 15%		kW	11.5, 18 [1)]	16, 24 [1)]	16, 24 [1)]
6.3	Battery Type			Li-ion	Li-ion	Li-ion
6.4	Battery Voltage, Nominal Capacity		V/Ah	80/206	80/304	80/304
6.5	Battery Weight		kg	180	221	221
	OTHER					
7.1	Type of drive control			AC	AC	AC
7.2	Operating Pressure for Attachments		Mpa	17.7	17.7	17.7

[1)]: Data information represented is for trucks with high performance option selected.

The specifications shown are for the standard 2-stage 3m mast forklift truck. Information may be subjected to changes.


h4
h3
h1
h2
h6
h7
h12
c
G
s
m1
m2
x
y
l2
l1
SIP


b12
b1
b3
b10
b11
Wa



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TCM

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Note:
These products and specifications are subject to change without notice.
Photos and illustrations may slightly differ from the actual trucks.
Photos and illustrations may or may not include optional equipment and accessories.
Features and specifications may vary depending on markets.
Performance data and dimensions are nominal and subject to tolerances.
Produced in ISO certified factory.

PRESENTED BY :

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