



Li-ion Battery Powered 

Counterbalanced Forklift

FCB25M SERIES - 5000lbs

Cushion Tires

- ✓ Better operator comfort and controllability
- ✓ Standard components for easy service and maintenance
- ✓ Lithium battery for longer run-time and improved productivity
- ✓ Enhanced environmental friendliness and increased economy

CHARACTERISTICS

POWER AND PERFORMANCE

Green:

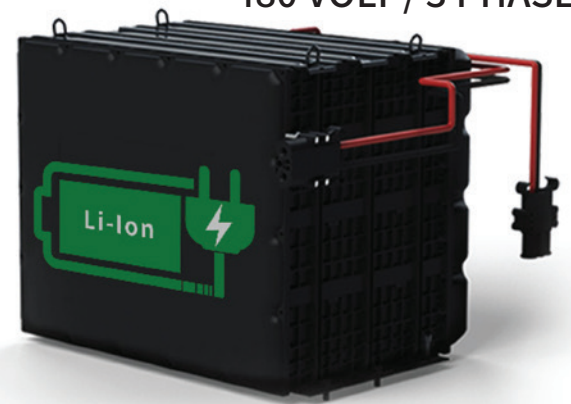
- Zero emission, pollution-free

Productivity:

- Easy and fast charging, suitable for multi-shift operation

Maintenance free and reliability:

- High power conversion efficiency
- Lower overall operation cost
- 4000 times charge-discharge cycles
- 80 Volt / 3 Phase / 480 Service
- More than 8 years of service



480 VOLT / 3 PHASE

Model	Battery Capacity (Kwh)
FCB25M-3	80V/205Ah, 16.4Kwh (142kg)
FCB25M-5	80V/230Ah, 18.4Kwh(148kg)
FCB25M-7	80V/410Ah, 32.8Kwh (261kg)
FCB25M-9	80V/460Ah, 36.8Kwh (274kg)
FCB25M-11	80V/205Ah, 16.4Kwh (142kg)
FCB25M-13	80V/230Ah, 18.4Kwh (148kg)
FCB25M-15	80V/410Ah, 32.8Kwh (261kg)
FCB25M-17	80V/460Ah, 36.8Kwh (274kg)

FPB25M SERIES FEATURES & COMPARISONS

STANDARD FEATURES:

- 3 stage full free lift mast (189" Max Height)
- 42" forks
- 4VS control valve
- Back-up alarm and strobe lamp
- Head lamps and rear lamps
- Orbitrol power steering
- Cushion tires.
- Suspension seat/ 60" retractable seat belt
- Protective canopy cover for inclement weather.

Series Comparison Chart	FCB25M-3	FCB25M-5	FCB25M-7	FCB25M-9	FCB25M-11	FCB25M-13	FCB25M-15	FCB25M-17
Cascade fork positioner and side shifter					✓	✓	✓	✓
Electric 80 volt 205A/H Eikto lithium battery. 3-4 hours of working time. 10% left max full charge 3.15 hours	✓				✓			
Electric 80 volt 230A/H Eikto lithium battery. 4-5 hours of working time. 10% left max full charge 2.3 hours		✓				✓		
Electric 80 volt 410A/H Eikto lithium battery. 6-7 hours of working time. 10% left max full charge 2.05 hours			✓				✓	
Electric 80 volt 460A/H Eikto lithium battery. 8-9 hours of working time. 10% left max full charge 2.3 hours				✓				✓
80 volt 100 a/h charger		✓				✓		
80 volt 200 a/h charger			✓	✓			✓	✓
80 volt 65 a/h charger	✓				✓			

STANDARD FEATURES & COMFORT



Wide step for easy entry, and spacious leg & foot room.



Ergonomic seat for a smoother and more comfortable drive.



Adjustable steering column according to operator's preference to reduce fatigue.



Wide view mast offers good driving vision.



Ergonomically placed foot pedals, easy to use.



Easy opening charging side door.



OPS: preventing accidents and keeping workers in the operating areas safe.



Blue spot light: reminding pedestrians when reversing.



Back-up handle with horn button: improving both driver's comfort and reversing safety.

INTELLIGENT DISPLAY

The intelligent LED instrument panel shows forklift status

Remaining battery level

Running speed

Accumulated working hours



RELIABLE CONTROLLER

ZAPI controller combines the performance of lithium battery management system with the forklift to create a perfect driving experience.



IBMS (INTELLIGENT BATTERY MANAGEMENT SYSTEM)

● RT Status:

Report the forklift status in real-time

● RUN log:

Monitor the forklift run trend

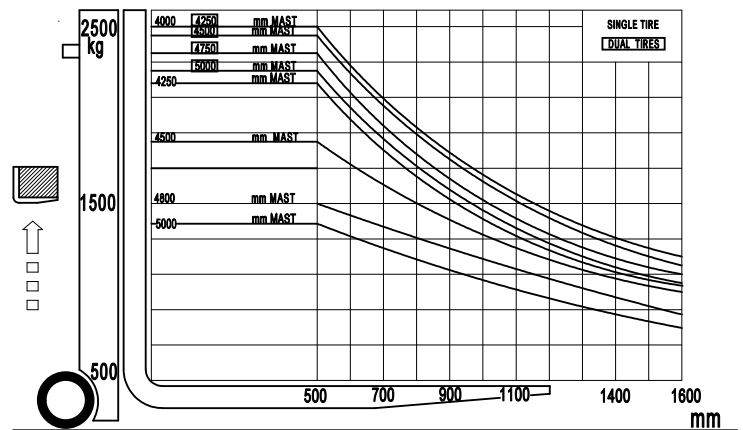
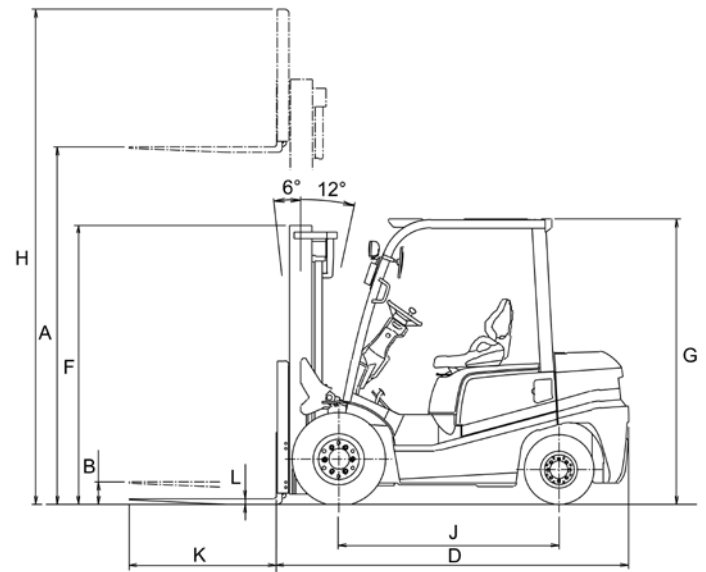
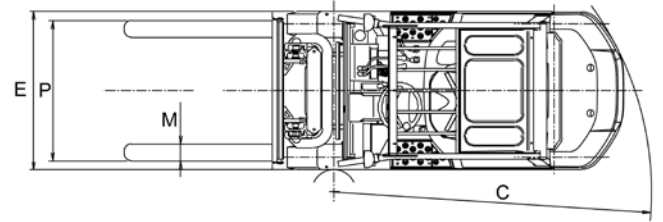
● DEV info:

Easily get the battery information for check and inspect.

Detect the battery with your phone Any time & Anywhere.

LI-ION BATTERY POWERED FORKLIFT TRUCK FCB25M SERIES (PARAMETER AND PERFORMANCE)

Characteristics	1	Manufacturer			HELMAR	
	2	Model			FCB25M Series	
	3	Load Capacity		lbs.	5,000	
	4	Load Center		Inches	19 11/16	
	5	Power Type			Electric	
	6	Wheels (X=driven)	Front / Rear		2x/2	
Dimensions	7	Maximum Fork Height (A)		Inches	118 1/8	
	8	Free Lift Height (B)		Inches	4 3/8	
	9	Fork Size (K, L, M)	L ×W × T	Inches	42 1/8 x 4 3/4 x 1 5/8	
	10	Tilt Angle	Fwd. / Bwd.	deg.	6/12	
	11	Length to fork face (D)		Inches	2285	
	12	Overall Width (E)		Inches	45 1/4	
	13	Mast Height Fork Lowered(F)		Inches	84 1/2	
	14	Mast Height Fork raised (With Backrest) (H)		Inches	230	
	15	Overhead Guard Height(G)		Inches	84 5/8	
	16	Operator's Seat Height		Inches	41 9/64	
	17	Turning Radius(C)		Inches	77 15/16	
	18	Load Distance (Centerline of front axle to front face of forks)		Inches	17 1/2	
	19	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		Inches	96 1/4	
Performance	20	Speeds	Travel, Max.	Full Load	mph	7.46
				No Load	mph	9
	Lifting		Full Load	inches/sec	9 5/8	
			No Load	inches/sec	17 3/4	
	Lowering		Full Load	inches/sec	17 3/4	
			No Load	inches/sec	21 5/8	
	23	Max. Gradeability	Full Load		%	10
		Total Weight (with the standard battery)			lbs.	8,496.62
	24	Weight Distribution	Full Load	Front	lbs.	11,763.87
	Rear			lbs.	2,244.31	
	25		No Load	Front	lbs.	3,567.08
	26			Rear	lbs.	4,929.54
Chassis & Wheels	27	Tires	Number	Front / Rear		2/2
	Size		Front		21×8-9-16PR	
		Rear		18×6×12 1/8		
	30	Wheelbase (J)		Inches	55 1/8	
	31	Tread	Front / Rear	Inches	37 5/8 / 37 3/8	
	32	Ground Clearance	Lowest (Mast)	Inches	4 3/8	
	Chassis		Inches	4 1/2		
Battery & Others	34	Brake	Service Brake			Regenerative braking & Hydraulic-Foot pedal
	Park Brake			Hand Lever		
	36	Battery	Voltage /Capacity		V/Ah	80V / 205-460Ah
	37	Motor	AC Drive Motor		Kw	11
			Lifting Motor		Kw	13.5
	39	Controller Type				ZAPI AC



Remarks: Helmar Incorporated reserves the right to make any changes without notice concerning specifications detailed in this brochure.