



# **ELECTRIC CUSHION TIRE FORKLIFT**

4,500-6,500 LB CAPACITY

THE POWER AND EFFICIENCY YOUR BUSINESS NEEDS



# COMFORT COMES STANDARD.

STEP INTO THE OPERATOR COMPARTMENT OF AN FBC23N-FBC30LN ELECTRIC FORKLIFT



- Designed for superior comfort
- Adjustable seating to suit your operators
- Optimized visibility

All come together to create a comfortable forklift you can count on.

## **Spacious Operator Compartment:**

From the beginning of the shift to the end, this forklift was designed for optimal comfort. Operators can easily adjust the seat to their preferences – from forward and backward adjustments, to added lumbar support and suspension. The low profile steering wheel also provides extra space and comfort.

## **Ergonomic Hydraulic Levers, Optional Fingertip Controls:**

Located next to the seat, the hydraulic levers allow the operator's arm to rest in a natural, relaxed position while working. Optional fingertip controls are also available for added productivity.

## **Convenience On The Go:**

An ample storage compartment and optional USB charging port keeps the extra tools they need charged and close at hand.



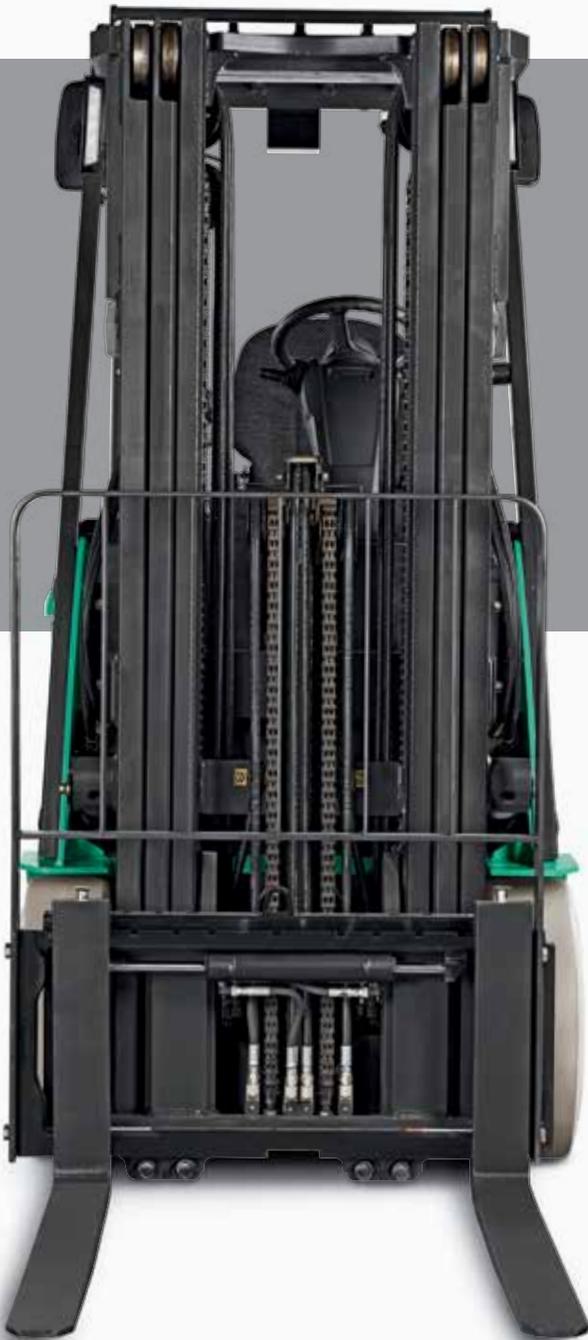


Features	Standard	Optional
Multifunction color display	•	
Fully-hydrostatic steer axle	•	
AC motor control system	•	
Regenerative braking system	•	
5 default performance modes	•	
LED forward working lights	•	
Presence detection system	•	
Full-suspension seat		•
Emergency battery disconnect button	•	
Fingertip controls		•

Ask your local dealer about the available options for improved performance, productivity and operator comfort.

# POWERFUL EFFICIENCY.

LONGER RUNTIMES AND LESS MAINTENANCE ADD UP TO A BETTER BOTTOM LINE.



**Rock-Solid Frame:** The all welded box frame and battery edge cover design helps to extend the life of your investment.

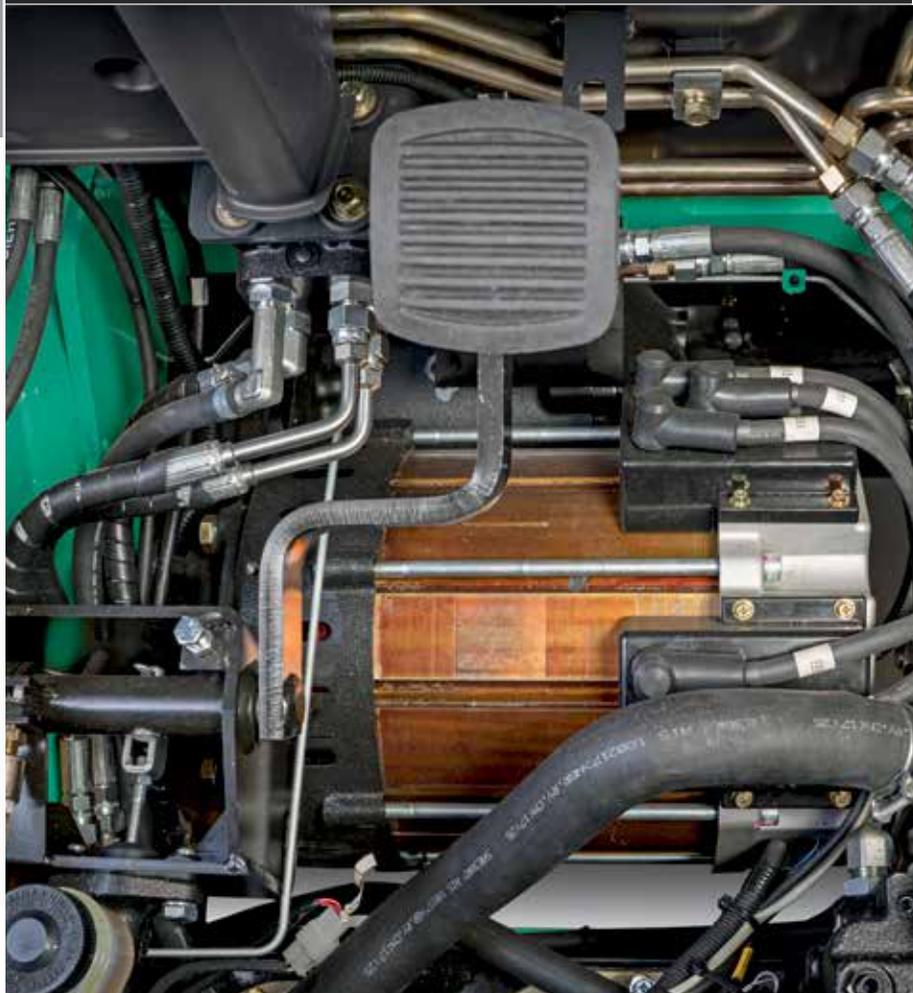
## **Run Longer: On One Battery Charge.**

Thanks to the design of the FBC23N-FBC30LN models your operators can deliver the productivity you need to get the job done.

### Key Features:

- Advanced AC motors
- Optimized regenerative braking system

**Lower Energy Consumption:** The two-stage hydraulic system determines the optimum motor speed, resulting in reduced energy consumption and longer run times.





## Easy To Service

Easily removable side, top, floor and rear access panels, make accessing the motors and major components simple, saving you time and money.

- 500-hour extended service intervals
- Display-based maintenance reminders
- Easy access to key service components



## Smart Systems And Options For The Way You Work

### Integrated Presence System (IPS)

This integrated, computer-based feedback system uses both audible and visual indicators to alert the operator to potentially hazardous situations, while increasing operator awareness.

### Flexible Options

- **Foot directional control**, for hands-free forward and reverse travel control. Ideal for rapid shuttle applications.
- **Rear grab handle with horn button**, offers operators additional comfort while travelling long distances in reverse or in applications with pedestrians or high traffic.
- **Sideshifter** for more precise load handling.
- **Higher or lower height overhead guard options** are available to accommodate taller operators, low clearances or special storage racking configurations.

**UL ES or EE Ratings are available for applications requiring added protection from potential fire or electrical shock risks.**

CHARACTERISTICS			FBC23N		FBC25N		FBC25EN		FBC25LN	
1	Capacity at rated load center	lb kg	4,500	2,300	5,000	2,500	5,000	2,500	5,500	2,500
2	Capacity at load center – distance	in mm	24	500	24	500	24	500	24	600
3	Power – diesel, gasoline, LP gas, electric		Electric		Electric		Electric		Electric	
4	Tire type – cushion, solid pneumatic		Cushion		Cushion		Cushion		Cushion	
5	Wheels, number front / rear (x = driven)		2x / 2		2x / 2		2x / 2		2x / 2	
DIMENSIONS										
6	Maximum fork height	in mm	131.5	3,340	131.5	3,340	131.5	3,340	131.5	3,340
7	Free lift	in mm	5.7	145	5.7	145	5.7	145	5.7	145
8	Fork dimensions – thickness x length x width	in mm	1.6x42x3.9	40x1,070x100	1.6x42x3.9	40x1,070x100	1.6x42x3.9	40x1,070x100	1.6x42x3.9	40x1,070x100
9	Fork spacing – out-to-out minimum / maximum	in mm	9.7 / 35	246 / 893	9.7 / 35	246 / 893	9.7 / 35	246 / 893	9.7 / 35	246 / 893
10	Fork carriage to DIN 15 173 a / B / no		ITA Class II		ITA Class II		ITA Class II		ITA Class II	
11	Tilt forward / backward	deg°	5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°	
12	Overall length (with 42" forks)	in mm	124.1	3,152	124.1	3,152	128.0	3,252	128.0	3,252
13	Length to fork face (includes fork thickness)	in mm	82.0	2,082	82.0	2,082	85.9	2,182	85.9	2,182
14	Overall width with single drive tires	in mm	41.5	1,055	41.5	1,055	41.5	1,055	43.5	1,103
15	Overall width with wide stance tires	in mm	43.5	1,103	43.5	1,103	43.5	1,103	N/A	
16	Height to top of lowered mast	in mm	83.1	2,110	83.1	2,110	83.1	2,110	83.1	2,110
17	Seat height to SIP	in mm	41.7	1,060	41.7	1,060	41.7	1,060	41.7	1,060
18	Height to top of overhead guard	in mm	88.0	2,235	88.0	2,235	88.0	2,235	88.0	2,235
19	Height of drawbar pin	in mm	11	282	11	282	11	282	11	282
20	Height with mast raised	in mm	180	4,570	180	4,570	180	4,570	180	4,570
21	Minimum outside turning radius	in mm	73.2	1,860	73.2	1,860	77.3	1,964	77.3	1,964
22	Load distance, axle to fork face (load moment constant)	in mm	15.5	394	15.5	394	15.5	394	15.5	394
23	Minimum aisle – 90° stack – zero clearance without load	in mm	88.7	2,254	88.7	2,254	92.8	2,358	92.8	2,358
PERFORMANCE										
24	Travel speed, loaded / empty (36 volt)	mph km/h	9.6 / 10.8	15.5 / 17.4	9.6 / 10.8	15.5 / 17.4	9.6 / 10.8	15.5 / 17.4	9.3 / 10.6	15.0 / 17.0
25	Travel speed, loaded / empty (48 volt)	mph km/h	11.3 / 11.3	18.2 / 18.2	11.3 / 11.3	18.2 / 18.2	11.3 / 11.3	18.2 / 18.2	11.3 / 11.3	18.2 / 18.2
26	Lift speed, loaded / empty (36 volt)	fpm mm/s	70.9 / 106.3	0.36 / 0.54	68.9 / 106.3	0.35 / 0.54	68.9 / 106.3	0.35 / 0.54	68.9 / 106.3	0.35 / 0.54
27	Lift speed, loaded / empty (48 volt)	fpm m/s	94.5 / 128.0	0.48 / 0.65	88.6 / 128.0	0.45 / 0.65	88.6 / 128.0	0.45 / 0.65	88.6 / 128.0	0.45 / 0.65
28	Lowering speed, loaded / empty	fpm m/s	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50
29	Gradeability loaded at 1 mph (1.6 km) (36 volt)	%	27		25		25		24	
30	Gradeability loaded at 1 mph (1.6 km) (48 volt)	%	27		26		26		25	
31	Gradeability maximum, loaded / empty	%	15 / 24		16 / 23		17 / 24		15 / 24	
WEIGHT										
32	Empty with minimum weight battery	lb kg	8,750	3,980	9,100	4,130	9,300	4,240	9,650	4,390
33	Axle load with rated load, front / rear	lb kg	11,675 / 1,575	5,560 / 720	12,490 / 1,610	5,865 / 765	12,505 / 1,795	5,875 / 865	13,305 / 1,845	6,025 / 865
34	Axle load without load, front / rear	lb kg	3,650 / 5,100	1,655 / 2,325	3,570 / 5,530	1,620 / 2,510	3,870 / 5,430	1,755 / 2,485	3,805 / 5,845	1,725 / 2,665
CHASSIS										
35	Tire size – front (standard duals)	in mm	21 x 7 x 15	533 x 178 x 381	21 x 7 x 15	533 x 178 x 381	21 x 7 x 15	533 x 178 x 381	21 x 8 x 15	533 x 203 x 381
36	Tire size – rear	in mm	16 x 5 x 10.5	406 x 127 x 267	16 x 6 x 10.5	406 x 152 x 267	16 x 6 x 10.5	406 x 152 x 267	16 x 6 x 10.5	406 x 152 x 267
37	Wheelbase	in mm	50.4	1,280	50.4	1,280	54.3	1,380	54.3	1,380
38	Track width – front (standard tires)	in mm	34.5	875	34.5	875	34.5	875	35.4	900
39	Track width – rear	in mm	35.8	909	34.8	884	34.8	884	34.8	884
40	Ground clearance at lowest point of mast	in mm	3.0	76	3.0	76	3.0	76	3.0	76
41	Ground clearance at center of wheelbase	in mm	4.9	124	4.9	124	4.9	124	4.9	124
42	Service brakes	type	foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic	
43	Parking brakes	type	foot-operated, mechanical		foot-operated, mechanical		foot-operated, mechanical		foot-operated, mechanical	
ELECTRICAL										
44	Battery type		lead-acid		lead-acid		lead-acid		lead-acid	
45	Battery capacity at 6 hr. discharge rate (36 volt)	Ah kWh	1,320	48	1,320	48	1,540	55	1,540	55
46	Battery capacity at 6 hr. discharge rate (48 volt)	Ah kWh	990	48	990	48	1,100	53	1,100	53
47	Battery weight, minimum	lb kg	2,600	1,180	2,600	1,180	3,100	1,410	3,100	1,410
48	Battery weight, maximum	lb kg	3,530	1,600	3,530	1,600	3,970	1,800	3,970	1,800
49	Battery compartment size, maximum	in mm	30.5 x 39.5 x 23.3	775 x 1,003 x 592	30.5 x 39.5 x 23.3	775 x 1,003 x 592	34.4 x 39.5 x 23.3	875 x 1,003 x 592	34.4 x 39.5 x 23.3	875 x 1,003 x 592
50	Drive motor capacity (60 min. rating) 36v / 48v	HP kW	16.1 / 22.1	12.0 / 16.5	16.1 / 22.1	12.0 / 16.5	16.1 / 22.1	12.0 / 16.5	16.1 / 22.1	12.0 / 16.5
51	Lift output (15% rating) 36v / 48v	HP kW	16.8 / 23.2	12.5 / 17.3	16.8 / 23.2	12.5 / 17.3	16.8 / 23.2	12.5 / 17.3	16.8 / 23.2	12.5 / 17.3
52	Drive controls / hydraulic controls	type	AC transistor		AC transistor		AC transistor		AC transistor	
53	Relief pressure for attachments	PSI Mpa	2,277	15.7	2,277	15.7	2,277	15.7	2,277	15.7
54	Flow rate for attachments	gpm lpm	14.5	55	14.5	55	14.5	55	14.5	55

**NOTE:** These specifications assume the use of drive axles, tires and tilt angles specified. Maximum converted value to gradeability at maximum torque of the traction motor. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. (MCFA). (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

FBC30N		FBC30LN		
1	6,000	3,000	6,500	
2	24	500	24	
3	Electric		Electric	
4	Cushion		Cushion	
5	2x / 2		2x / 2	

Call-out numbers shown in the diagram below correspond to the first column of the specifications chart.

6	130.3	3,310	131.4	3,340
7	5.7	145	5.7	145
8	1.8x42x4.8	45x1,070x122	1.8x42x4.8	45x1,070x122
9	11.2 / 37.8	285 / 960	11.2 / 37.8	285 / 960
10	ITA Class III		ITA Class III	
11	5.0° / 5.0°		5.0° / 5.0°	
12	130.2	3,306	130.9	3,325
13	88.0	2,236	88.8	2,255
14	43.5	1,103	43.5	1,103
15	N/A		N/A	
16	83.1	2,110	87.8	2,230
17	41.7	1060	41.7	1060
18	88.0	2235	88.0	2235
19	11	282	11	282
20	178.8	4,540	180	4,570
21	78.8	2,002	79.5	2,020
22	16.0	406	16.0	406
23	94.8	2,408	95.5	2,426

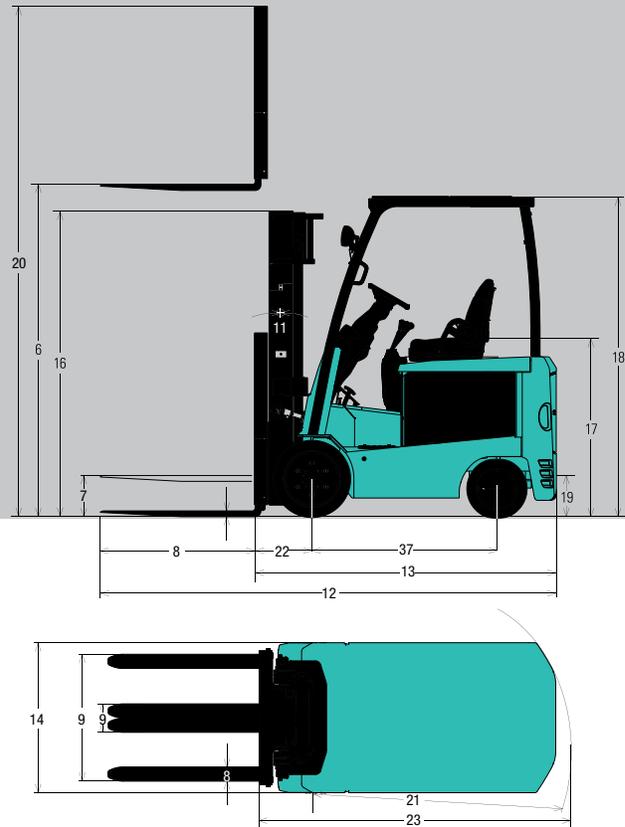
24	9.1 / 10.6	14.6 / 17.1	9.0 / 10.6	14.5 / 17.1
25	11.3 / 11.3	18.2 / 18.2	11.3 / 11.3	18.2 / 18.2
26	57.1 / 96.5	0.29 / 0.49	57.1 / 92.5	0.29 / 0.47
27	74.8 / 116.1	0.38 / 0.59	74.8 / 116.1	0.38 / 0.59
28	98.4 / 88.6	0.50 / 0.45	98.4 / 88.6	0.50 / 0.45
29	23		20	
30	23		21	
31	15 / 21		15 / 17	

32	10,600	4,820	11,050	5,030
33	14,375 / 2,225	6,765 / 1,055	15,225 / 2,325	6,890 / 1,090
34	3,955 / 6,645	1,795 / 3,025	3,935 / 7,155	1,790 / 3,240

35	21 x 8 x 15	533 x 203 x 381	21 x 8 x 15	533 x 203 x 381
36	16 x 6 x 10.5	406 x 152 x 267	16 x 6 x 10.5	406 x 152 x 267
37	54.3	1,380	54.3	1,380
38	35.4	900	35.4	900
39	34.8	884	34.8	884
40	3.0	77	3.0	77
41	4.9	124	4.9	124
42	foot-operated, hydraulic		foot-operated, hydraulic	
43	foot-operated, mechanical		foot-operated, mechanical	

44	lead-acid		lead-acid	
45	1,540	55	1,540	55
46	1,100	53	1,100	53
47	3100	1410	3100	1410
48	3970	1800	3970	1800
49	34.4 x 39.5 x 23.3	875 x 1,003 x 592	34.4 x 39.5 x 23.3	875 x 1,003 x 592
50	16.1 / 22.1	12.0 / 16.5	16.1 / 22.1	12.0 / 16.5
51	16.8 / 23.2	12.5 / 17.3	16.8 / 23.2	12.5 / 17.3
52	AC transistor		AC transistor	
53	2,277	15.7	2,277	15.7
54	14.5	55	14.5	55

# FBC23N - FBC30LN



## SAFETY STANDARDS

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1. UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only; Type E, EE (optional), Industrial Trucks. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
  - NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
  - Occupational Safety and Health Administration (OSHA) regulations that may apply.
- Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

# FBC23N-FBC30LN

4,500-6,500 LB CAPACITY ELECTRIC CUSHION TIRE FORKLIFT

## Delivering Exceptional Value

### More Than 296,000 Parts To Keep You Running

Mitsubishi Forklift Trucks offers several parts programs, all designed to bring you top performance and convenience for your material handling needs. Contact your local dealer to put our services to work for you.

### Support To Fit Your Operation

Find out why more companies are relying on Mitsubishi forklift truck dealers to keep their fleet operating at top performance. Our efficiency provides customers with a better return on investment, and qualified service technicians, diverse parts inventory and unparalleled selection of service options can help reduce your total cost of ownership.

### Extensive Dealer Network

The Mitsubishi forklift truck dealer network is dedicated to finding the right forklift solution for your business. With more than 300 dealer locations, you can rely on your local dealer to provide the service you need when you need it most.

### Lithium-Ion Availability:

- Greater power efficiency
- Run for 24 hours a day, 7 days a week with opportunity charging
- Zero battery maintenance
- No watering
- No more battery exchanges
- No gas emissions, odor or acidification
- No special charging areas or equipment needed
- Longer lasting life cycles (up to 3,000)
- 5-year warranty on batteries
- 2-year warranty on chargers



Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network located throughout North and South America. Don't forget to ask your local Mitsubishi forklift truck dealer about details on factory retail programs, financing plans and additional options and dealer services like planned maintenance and operator training.