

AN ELECTRIC FORKLIFT WITH COMFORT AND POWER.

FBC22N2-FBC30LN2

2.3 - 3.0 TON ELECTRIC CUSHION TIRE FORKLIFT

1. Ergonomic

Comfortable Operator Compartment

From the contoured seat to its full tilt steering column, this forklift was designed for optimal comfort during long shifts – ensuring maximum productivity throughout the busy workday.

Convenient Hydraulic Levers

Located next to the seat, the hydraulic levers allow the operator's arm to rest in a natural, relaxed position while operating the controls.

2. Efficient

Advanced AC Motors

The PM-1000 AC control system delivers performance and efficiency. Following the operator's command, the two-stage hydraulic system determines the optimum motor speed, resulting in reduced energy consumption.

Regenerative Braking

This forklift offers optimal energy recovery through the regenerative braking system – the result is increased energy efficiency and longer run times.



3. Smart

Integrated Presence System (IPS)

The Integrated Presence System (IPS) encourages the operator to be in the proper position when activating the forklift's travel or hydraulic functions – reducing the likelihood of accidental activation.

Optimized Visibility

The design of the wide-view mast, strategically-placed hydraulic cylinders and lift chains, and the arc of the front overhead guard legs maximize forward and side visibility.



4. Reliable

Easy To Service

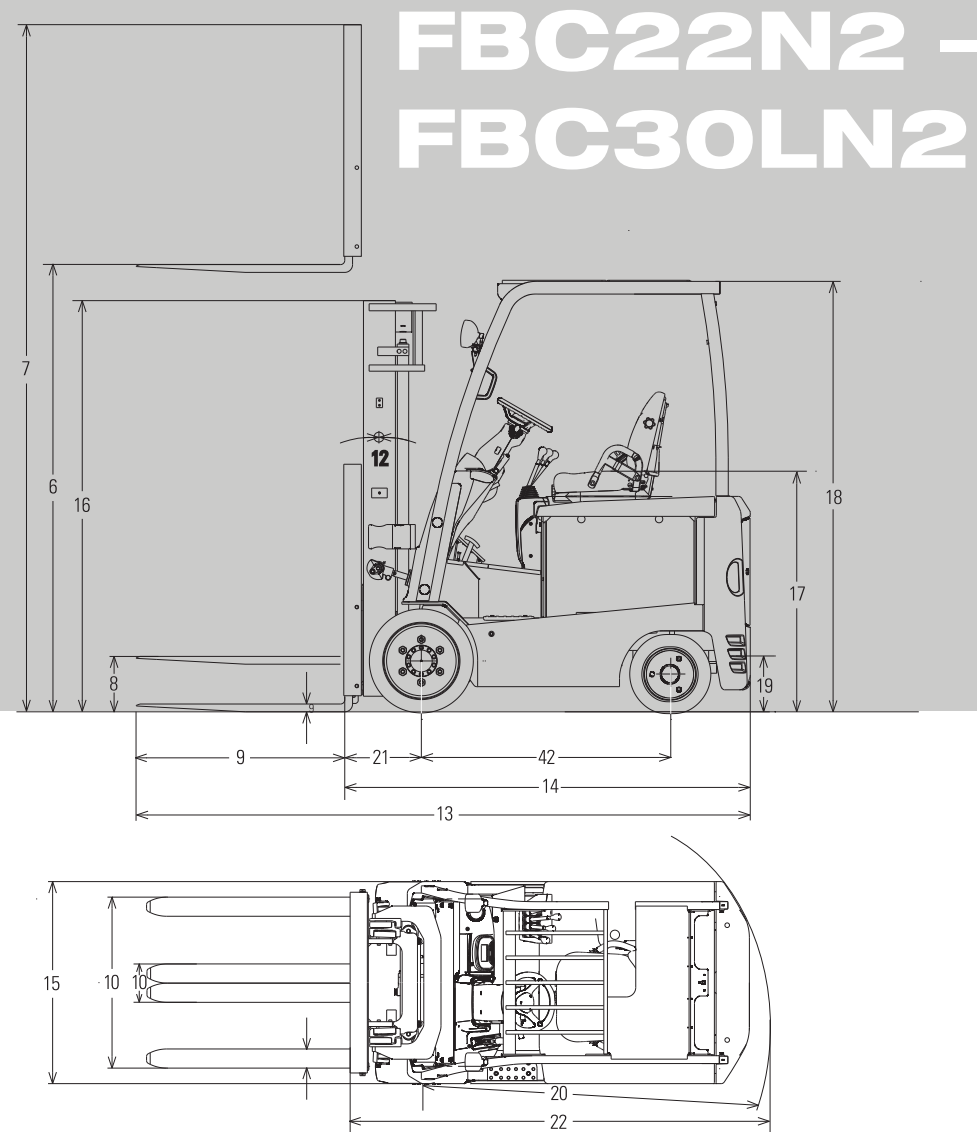
With easy-to-remove side, top and rear access panels, the motors and major components are easily accessible. This results in quicker maintenance repairs and increased uptime.

Rock-Solid Frame

To help protect your investment, the all-welded box frame is protected with a powder-coat paint finish that is baked on at 385° F.



CHARACTERISTICS			FBC22N2		FBC25N2		FBC25EN2		FBC25LN2		FBC30N2		FBC30LN2	
1	Capacity at rated load center	lb kg	4,500	2,300	5,000	2,500	5,000	2,500	5,500	2,500	6,000	3,000	6,500	2,950
2	Capacity at load center – distance	in mm	24	500	24	500	24	500	24	600	24	500	24	600
3	Power – diesel, gasoline, LP gas, electric		electric		electric		electric		electric		electric		electric	
4	Tire type – cushion, solid pneumatic		cushion		cushion		cushion		cushion		cushion		cushion	
5	Wheels, number front / rear (x = driven)		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2	
DIMENSIONS														
6	Lift height (see tables)	in mm	131	3,340	131	3,340	131	3,340	131	3,340	130	3,315	131	3,345
7	Overall height with mast raised	in mm	180	4,564	180	4,564	180	4,564	180	4,564	179	4,536	180	4,566
8	Free lift (see tables)	in mm	5.1	130	5.1	130	5.1	130	5.1	130	5.3	135	5.3	135
9	Fork dimensions – length x width x thickness	in mm	42 x 3.9 x 1.6	1,070 x 100 x 40	42 x 3.9 x 1.6	1,070 x 100 x 40	42 x 3.9 x 1.6	1,070 x 100 x 40	42 x 3.9 x 1.6	1,070 x 100 x 40	42 x 4.9 x 1.8	1,070 x 125 x 45	42 x 4.9 x 1.8	1,070 x 125 x 45
10	Fork spacing – out-to-out minimum / maximum	in mm	9.7 / 35.0	246 / 893	9.7 / 35.0	246 / 893	9.7 / 35.0	246 / 893	9.7 / 35.0	246 / 893	11.2 / 37.8	285 / 960	11.2 / 37.8	285 / 960
11	Fork carriage to DIN 15 173 a / B / no		ITA Class II		ITA Class II		ITA Class II		ITA Class II		ITA Class III		ITA Class III	
12	Tilt forward / backward	deg°	5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°		5.0° / 5.0°	
13	Overall length (with 42" forks)	in mm	124.1	3,152	124.1	3,152	128.0	3,252	128.0	3,252	130.2	3,306	130.9	3,325
14	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	88.1	2,236	88.8	2,255
15	Overall width	in mm	41.5	1,055	41.5	1,055	41.5	1,055	43.5	1,103	43.5	1,103	43.5	1,103
	Overall width with wide stance tires	in mm	43.5	1,103	43.5	1,103	43.5	1,103	N/A		N/A		N/A	
16	Height with lowered mast	in mm	83.5	2,110	83.5	2,110	83.5	2,110	83.5	2,110	83.5	2,110	88.0	2,230
17	Seat height to SIP	in mm	49.5	1,257	49.5	1,257	49.5	1,257	49.5	1,257	49.5	1,257	49.5	1,257
18	Height to top of overhead guard	in mm	87.0	2,210	87.0	2,210	87.0	2,210	87.0	2,210	87.0	2,210	87.0	2,210
19	Tow coupling height	in mm	11.0	282	11.0	282	11.0	282	11.0	282	11.0	282	11.0	282
20	Minimum outside turning radius	in mm	73.2	1,860	73.2	1,860	77.3	1,964	77.3	1,964	78.8	2,002	79.5	2,020
21	Load distance, axle to fork face (load moment constant)	in mm	15.5	394	15.5	394	15.5	394	15.5	394	16.0	406	16.0	406
22	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	94.8	2,408	95.5	2,426
PERFORMANCE														
23	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	9.1 / 10.6	14.6 / 17.1	9.0 / 10.6	14.5 / 17.1
24	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	11.3 / 11.3	18.2 / 18.2	11.3 / 11.3	18.2 / 18.2
25	Lift speed, loaded (36 volt)	fpm mm/s	71	0.36	69	0.35	69	0.35	69	0.35	57	0.29	57	0.29
26	Lift speed, unloaded (36 volt)	fpm mm/s	106	0.54	106	0.54	106	0.54	106	0.54	96	0.49	93	0.47
27	Lift speed, loaded (48 volt)	fpm m/s	94	0.48	89	0.45	89	0.45	89	0.45	75	0.38	75	0.38
28	Lift speed, unloaded (48 volt)	fpm m/s	128	0.65	128	0.65	128	0.65	128	0.65	116	0.59	116	0.59
29	Lowering speed, loaded	fpm m/s	98	0.50	98	0.50	98	0.50	98	0.50	98	0.50	98	0.50
30	Lowering speed, unloaded	fpm m/s	98	0.50	98	0.50	98	0.50	98	0.50	89	0.45	89	0.45
31	Gradeability loaded at 1 mph (1.6 km) (36 volt)	%	27		25		25		24		23		20	
32	Gradeability loaded at 1 mph (1.6 km) (48 volt)	%	27		26		26		25		23		21	
33	Gradeability maximum, empty (36 volt)	%	24		23		24		24		21		N/A	
34	Gradeability maximum, empty (48 volt)	%	24		23		24		24		21		N/A	
WEIGHT														
35	Empty with minimum weight battery	lb kg	8,805	3,995	9,140	4,145	9,350	4,240	9,680	4,390	10,635	4,825	11,090	5,030
36	Axle load with rated load, front	lb kg	12,260	5,560	12,930	5,865	12,950	5,875	13,285	6,025	14,915	6,765	15,190	6,890
37	Axle load with rated load, rear	lb kg	1,620	735	1,720	780	1,905	865	1,905	865	2,335	1,060	2,405	1,090
38	Axle load without load, front	lb kg	3,650	1,655	3,570	1,620	3,870	1,755	3,805	1,725	3,955	1,795	3,935	1,785
39	Axle load without load, rear	lb kg	5,160	2,340	5,565	2,525	5,480	2,485	5,875	2,665	6,680	3,030	7,155	3,245
CHASSIS														
40	Tire size – front	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 208 x 381	21 x 8 x 15	533 x 203 x 381	21 x 8 x 15	533 x 203 x 381
41	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	16 x 6 x 10.5	406 x 152 x 267	16 x 6 x 10.5	406 x 152 x 267
42	Wheelbase	in mm	50.4	1,280	50.4	1,280	54.3	1,380	54.3	1,380	54.3	1,380	54.3	1,380
43	Track width – front (center of tires)	in mm	34.5	875	34.5	875	34.5	875	35.4	900	35.4	900	35.4	900
44	Track width – rear (center of tires)	in mm	35.8	909	34.8	884	34.8	884	34.8	884	34.8	884	34.8	884
45	Ground clearance at lowest point of mast	in mm	3	76	3	76	3	76	3	76	3	77	3	77
46	Ground clearance at center of wheelbase	in mm	4.9	124	4.9	124	4.9	124	4.9	124	4.9	124	4.9	124
47	Service brakes	type	foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic	
48	Parking brakes	type	hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical	
ELECTRICAL														
49	Battery type		lead-acid		lead-acid		lead-acid		lead-acid		lead-acid		lead-acid	
50	Battery capacity at 6 hr. discharge rate (36 volt)	Ah kWh	1,320	48	1,320	48	1,540	55	1,540	55	1,540	55	1,540	55
51	Battery capacity at 6 hr. discharge rate (48 volt)	Ah kWh	990	48	990	48	1,100	53	1,100	53	1,100	53	1,100	53
52	Battery weight, minimum	lb kg	2,600	1,180	2,600	1,180	3,100	1,410	3,100	1,410	3,100	1,410	3,100	1,410
53	Battery weight, maximum	lb kg	3,530	1,600	3,530	1,600	3,970	1,800	3,970	1,800	3,970	1,800	3,970	1,800
54	Battery compartment size, maximum	in mm	30.5x39.5x23.3	775x1,003x592	30.5x39.5x23.3	775x1,003x592	34.4x39.5x23.3	875x1,003x592	34.4x39.5x23.3	875x1,003x592	34.4x39.5x23.3	875x1,003x592	34.4x39.5x23.3	875x1,003x592
55	Drive motor capacity (60 min. rating) 36v / 48v	HP kW	16.1 / 22.1	12 / 16.5	16.1 / 22.1	12 / 16.5	16.1 / 22.1	12 / 16.5	16.1 / 22.1	12 / 16.5	16.1 / 22.1	12 / 16.5	16.1 / 22.1	12 / 16.5
56	Lift output (15% rating) 36v / 48v	HP kW	16.8 / 29.6	12.5 / 17.3	16.8 / 29.6	12.5 / 17.3	16.8 / 29.6	12.5 / 17.3	16.8 / 29.6	12.5 / 17.3	16.8 / 29.6	12.5 / 17.3	16.8 / 29.6	12.5 / 17.3
57	Drive controls	type	AC transistor		AC transistor		AC transistor		AC transistor		AC transistor		AC transistor	
58	Hydraulic controls	type	AC transistor		AC transistor		AC transistor		AC transistor		AC transistor		AC transistor	
59	Hydraulic pressure for attachments	PSI Mpa	2,250	15.5	2,250	15.5	2,250	15.5	2,250	15.5	2,250	15.5	2,250	15.5
60	Hydraulic flow rate for attachments	gpm lpm	22.45	85	22.45	85	22.45	85	22.45	85	22.45	85	22.45	85



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.

FBC22N2-FBC30LN2

2.3 - 3.0 TON ELECTRIC CUSHION TIRE FORKLIFT

Flexible Operation

1. Foot Directional Control

For those operators that work in rapid shuttle applications, the foot directional control option allows for hands-free forward and reverse travel control.

2. Rear Grab Handle With Horn Button

This option offers additional comfort while travelling in reverse for long distances or in applications with high traffic or pedestrians.

3. Sideshifter

Making it easier to position loads, this option allows for more precise load handling within your application.

4. Higher Or Lower Height Overhead Guard

These overhead guard options accommodate taller operators, low clearances or special storage racking configurations.

5. The Specific Solution

For applications requiring added protection from potential fire or electrical shock risks, these forklifts can be configured with an optional UL type ES or EE rating.



Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network. 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.