AN ELECTRIC FORKLIFT WITH COMFORT AND POWER.

FBC22N2-FBC30LN2

4,500 – 6,500 LB CAPACITY 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.


1.


2.


3.


4.

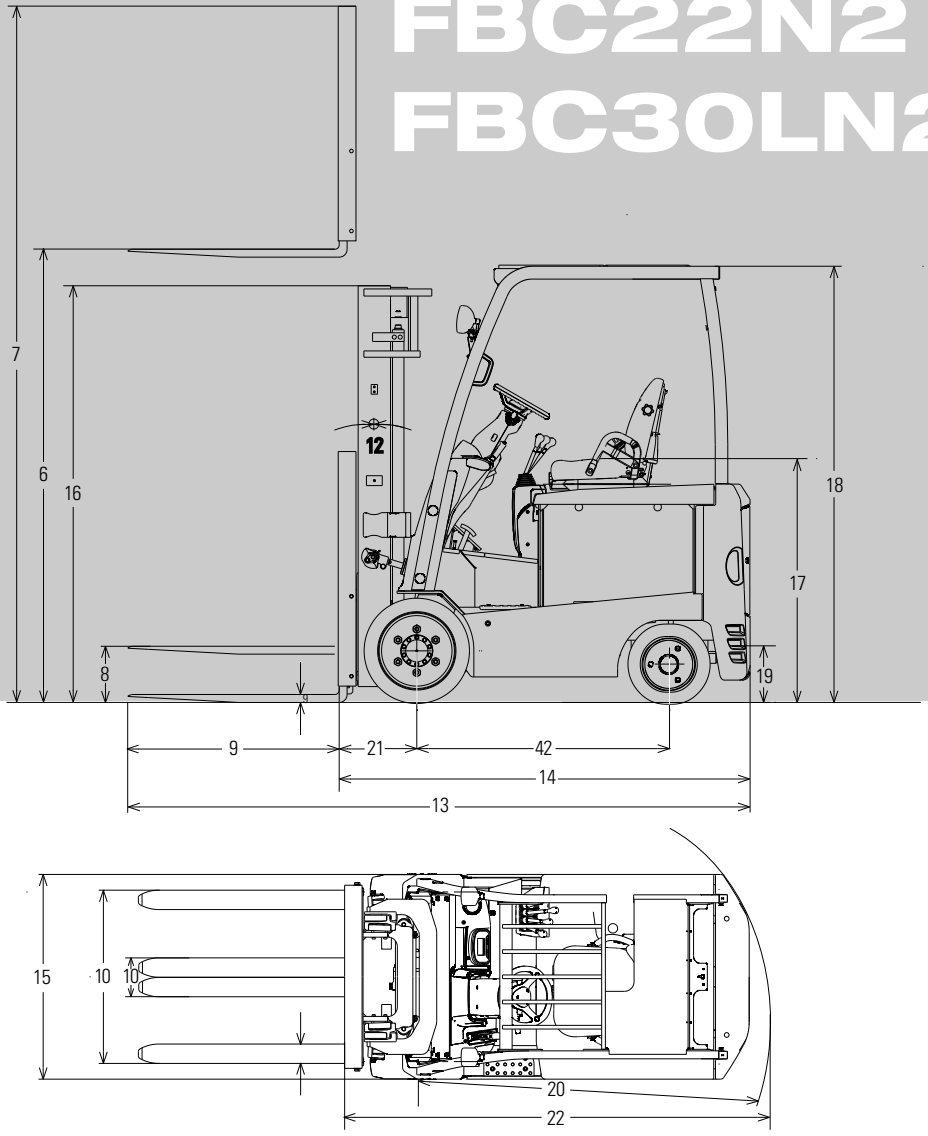
MITSUBISHI FORKLIFT TRUCKS

	CHARACTERISTICS			FBC22N2		FBC25N2		FBC25EN2		FBC25LN2	
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	Lift height (see tables)	in	*mm*	131	*3,340*	131	*3,340*	131	*3,340*	131	*3,340*
7	Overall height with mast raised	in	*mm*	180	*4,564*	180	*4,564*	180	*4,564*	180	*4,564*
8	Free lift (see tables)	in	*mm*	5.1	*130*	5.1	*130*	5.1	*130*	5.1	*130*
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*
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	Fork carriage to DIN 15 173 a / B / no			ITA Class II		ITA Class II		ITA Class II		ITA Class II	
12	Tilt forward / backward	deg°		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*
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*
15	Overall width	in	*mm*	41.5	*1,055*	41.5	*1,055*	41.5	*1,055*	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	
16	Height with lowered mast	in	*mm*	83.5	*2,110*	83.5	*2,110*	83.5	*2,110*	83.5	*2,110*
17	Seat height to SIP	in	*mm*	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*
19	Tow coupling height	in	*mm*	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*
21	Load distance, axle to fork face (load moment constant)	in	*mm*	15.5	*394*	15.5	*394*	15.5	*394*	15.5	*394*
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*
	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*
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*
25	Lift speed, loaded (36 volt)	fpm	*mm/s*	71	*0.36*	69	*0.35*	69	*0.35*	69	*0.35*
26	Lift speed, unloaded (36 volt)	fpm	*mm/s*	106	*0.54*	106	*0.54*	106	*0.54*	106	*0.54*
27	Lift speed, loaded (48 volt)	fpm	*m/s*	94	*0.48*	89	*0.45*	89	*0.45*	89	*0.45*
28	Lift speed, unloaded (48 volt)	fpm	*m/s*	128	*0.65*	128	*0.65*	128	*0.65*	128	*0.65*
29	Lowering speed, loaded	fpm	*m/s*	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*
31	Gradeability loaded at 1 mph (1.6 km) (36 volt)	%		27		25		25		24	
32	Gradeability loaded at 1 mph (1.6 km) (48 volt)	%		27		26		26		25	
33	Gradeability maximum, empty (36 volt)	%		24		23		24		24	
34	Gradeability maximum, empty (48 volt)	%		24		23		24		24	
	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*
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*
37	Axle load with rated load, rear	lb	*kg*	1,620	*735*	1,720	*780*	1,905	*865*	1,905	*865*
38	Axle load without load, front	lb	*kg*	3,650	*1,655*	3,570	*1,620*	3,870	*1,755*	3,805	*1,725*
39	Axle load without load, rear	lb	*kg*	5,160	*2,340*	5,565	*2,525*	5,480	*2,485*	5,875	*2,665*
	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*
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*
42	Wheelbase	in	*mm*	50.4	*1,280*	50.4	*1,280*	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*
44	Track width – rear (center of tires)	in	*mm*	35.8	*909*	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*
46	Ground clearance at center of wheelbase	in	*mm*	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	
48	Parking brakes	type		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical	
	ELECTRICAL										
49	Battery type			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*
51	Battery capacity at 6 hr. discharge rate (48 volt)	Ah	*kWh*	990	*48*	990	*48*	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*
53	Battery weight, maximum	lb	*kg*	3,530	*1,600*	3,530	*1,600*	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*
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*
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*
57	Drive controls	type		AC transistor		AC transistor		AC transistor		AC transistor	
58	Hydraulic controls	type		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*
60	Hydraulic flow rate for attachments	gpm	*lpm*	22.45	*85*	22.45	*85*	22.45	*85*	22.45	*85*

FBC30N2		FBC30LN2	
6,000	*3,000*	6,500	*2,950*
24	*500*	24	*600*
electric		electric	
cushion		cushion	
2x / 2		2x / 2	
130	*3,315*	131	*3,345*
179	*4,536*	180	*4,566*
5.3	*135*	5.3	*135*
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*
11.2 / 37.8	*285 / 960*	11.2 / 37.8	*285 / 960*
ITA Class III		ITA Class III	
5.0° / 5.0°		5.0° / 5.0°	
130.2	*3,306*	130.9	*3,325*
88.1	*2,236*	88.8	*2,255*
43.5	*1,103*	43.5	*1,103*
N/A		N/A	
83.5	*2,110*	88.0	*2,230*
49.5	*1,257*	49.5	*1,257*
87.0	*2,210*	87.0	*2,210*
11.0	*282*	11.0	*282*
78.8	*2,002*	79.5	*2,020*
16.0	*406*	16.0	*406*
94.8	*2,408*	95.5	*2,426*
9.1 / 10.6	*14.6 / 17.1*	9.0 / 10.6	*14.5 / 17.1*
11.3 / 11.3	*18.2 / 18.2*	11.3 / 11.3	*18.2 / 18.2*
57	*0.29*	57	*0.29*
96	*0.49*	93	*0.47*
75	*0.38*	75	*0.38*
116	*0.59*	116	*0.59*
98	*0.50*	98	*0.50*
89	*0.45*	89	*0.45*
23		20	
23		21	
21		N/A	
21		N/A	
10,635	*4,825*	11,090	*5,030*
14,915	*6,765*	15,190	*6,890*
2,335	*1,060*	2,405	*1,090*
3,955	*1,795*	3,935	*1,785*
6,680	*3,030*	7,155	*3,245*
21 x 8 x 15	*533 x 203 x 381*	21 x 8 x 15	*533 x 203 x 381*
16 x 6 x 10.5	*406 x 152 x 267*	16 x 6 x 10.5	*406 x 152 x 267*
54.3	*1,380*	54.3	*1,380*
35.4	*900*	35.4	*900*
34.8	*884*	34.8	*884*
3	*77*	3	*77*
4.9	*124*	4.9	*124*
foot-operated, hydraulic		foot-operated, hydraulic	
hand-operated, mechanical		hand-operated, mechanical	
lead-acid		lead-acid	
1,540	*55*	1,540	*55*
1,100	*53*	1,100	*53*
3,100	*1,410*	3,100	*1,410*
3,970	*1,800*	3,970	*1,800*
34.4x39.5x23.3	*875x1,003x592*	34.4x39.5x23.3	*875x1,003x592*
16.1 / 22.1	*12 / 16.5*	16.1 / 22.1	*12 / 16.5*
16.8 / 29.6	*12.5 / 17.3*	16.8 / 29.6	*12.5 / 17.3*
AC transistor		AC transistor	
AC transistor		AC transistor	
2,250	*15.5*	2,250	*15.5*
22.45	*85*	22.45	*85*

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

FBC22N2 - FBC30LN2



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

4,500 – 6,500 LB CAPACITY 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 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.

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