

POWERFUL PERFORMANCE MEETS COMPACT DESIGN.

FB16PNT-FB20PNT

3,000 – 4,000 LB CAPACITY
3-WHEEL ELECTRIC FORKLIFT TRUCK

1. Powerful

Excellent Performance

Heavy-duty AC drive and hydraulic motors, along with powerful Mitsubishi PM-1000 controllers, provide outstanding performance levels.

Power Steering

Electric power steering provides improved energy efficiencies, operator comfort and durability over traditional hydrostatic power steering.

2. Durable

Outdoor Applications

These forklifts come equipped with sealed motors for added protection from contaminants, such as dust and moisture, allowing the forklift to thrive in both indoor and outdoor applications.

Wet Environments

Durable wet disc brakes outperform typical brake systems, especially in wet or corrosive environments.

3. Added Security

Presence System

The Integrated Presence System (IPS) ensures that the operator is properly seated when activating the forklift's travel or hydraulic functions – reducing the likelihood of accidental activation.

Controlled Cornering

As the forklift's steer angle increases, the Controlled Cornering Speed feature progressively reduces the speed of the forklift, providing added security to both the operator and the load.

4. Enhanced Ergonomics

Informative Display

The easy-to-read display panel provides key information to the operator, as well as diagnostic capability for a service technician.

Operator Comfort

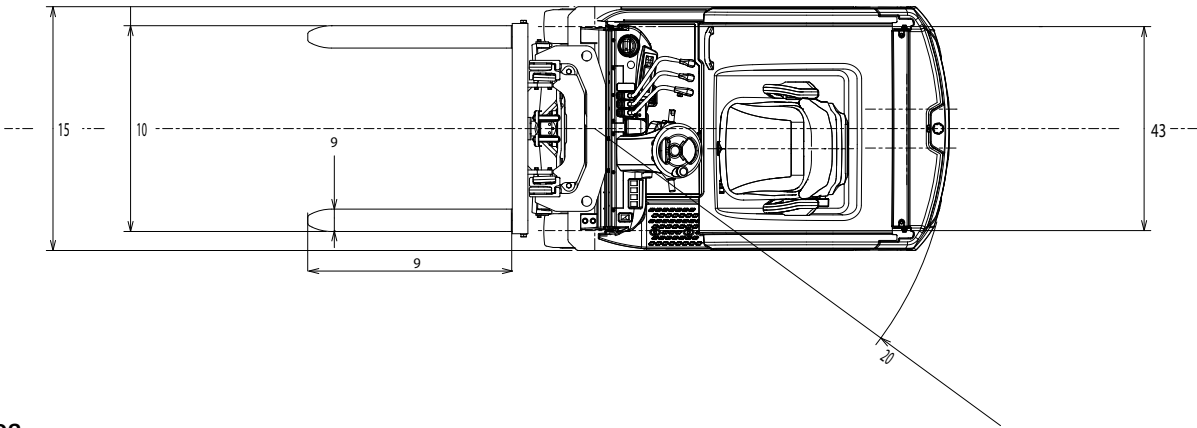
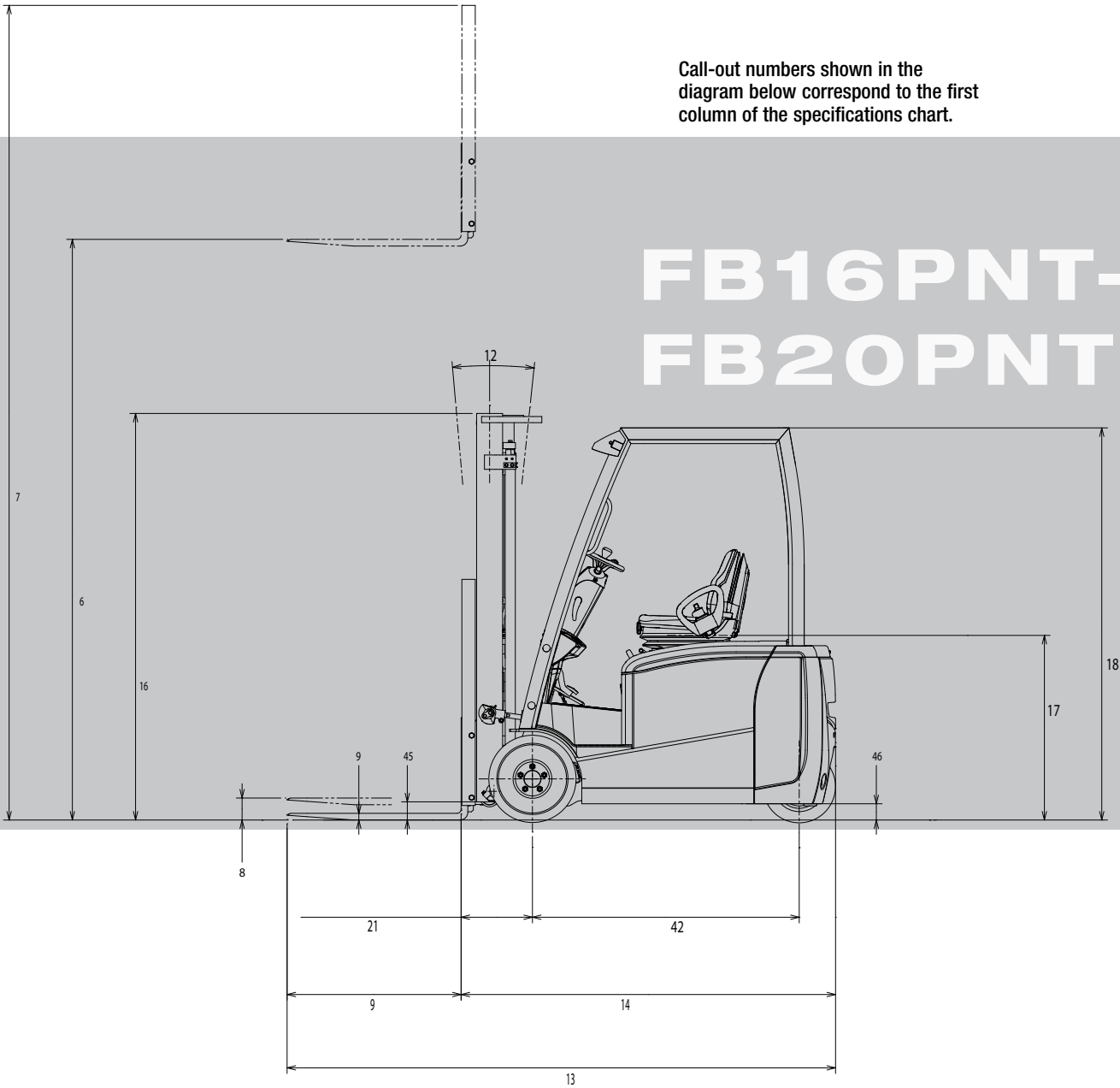
The ergonomic design of the operator compartment makes it possible for the operator to be just as efficient in the eighth hour of the shift as in the first.



CHARACTERISTICS			FB16PNT		FB18PNT		FB20PNT	
1	Capacity at rated load center	lb <i>kg</i>	3,000	1,600	3,500	1,800	4,000	2,000
2	Capacity at load center – distance	in <i>mm</i>	24	500	24	500	24	500
3	Power – diesel, gasoline, LP gas, electric		electric		electric		electric	
4	Tire type – cushion, solid pneumatic		cushion		cushion		cushion	
5	Wheels, number front / rear (x=driven)		2x / 2		2x / 2		2x / 2	
DIMENSIONS								
6	Lift height (see tables)	in <i>mm</i>	130.9	3,325	130.9	3,325	131.1	3,330
7	Overall height with mast raised	in <i>mm</i>	179.1	4,548	179.1	4,548	179.1	4,548
8	Free lift (see tables)		4.5	115	4.5	115	4.7	120
9	Fork dimensions – thickness x width x length	in <i>mm</i>	1.4 x 3.9 x 42.0	35 x 100 x 1,070	1.4 x 3.9 x 42.0	35 x 100 x 1,070	1.6 x 3.9 x 42.0	40 x 100 x 1,070
10	Fork spacing – out-to-out minimum / maximum	in <i>mm</i>	9.5 / 36.2	240 / 920	9.5 / 36.2	240 / 920	9.5 / 36.2	240 / 920
11	Fork carriage to DIN 15 173 A / B / no		2A		2A		2A	
12	Tilt forward / backward	deg	5.0 / 7.5		5.0 / 7.5		5.0 / 7.5	
13	Overall length	in <i>mm</i>	114.9	2,918	119.2	3,028	120.2	3,054
14	Length to fork face (includes fork thickness)	in <i>mm</i>	72.8	1,848	77.1	1,958	78.1	1,984
15	Overall width	in <i>mm</i>	42.9	1,090	42.9	1,090	42.9	1,090
16	Height with lowered mast	in <i>mm</i>	83.7	2,125	83.7	2,125	83.7	2,125
17	Seat height to SIP	in <i>mm</i>	37.5	953	37.5	953	37.5	953
18	Height to top of overhead guard	in <i>mm</i>	80.7	2,050	80.7	2,050	80.7	2,050
19	Drawbar pull	in <i>mm</i>	22.6	575	22.6	575	22.6	575
20	Minimum outside turning radius	in <i>mm</i>	58.1	1,475	62.4	1,585	62.8	1,595
21	Load distance, axle to fork face	in <i>mm</i>	14.7	373	14.7	373	15.3	389
22	Working aisle width (add load length and clearance)	in <i>mm</i>	72.8	1,848	77.1	1,958	78.1	1,984
PERFORMANCE								
23	Travel speed, loaded	mph <i>km/h</i>	10.0	16.0	10.0	16.0	10.0	16.0
24	Travel speed, empty	mph <i>km/h</i>	10.0	16.0	10.0	16.0	10.0	16.0
25	Lift speed, loaded (36 Volt)	fpm <i>m/s</i>	78.7	0.40	68.9	0.35	66.9	0.34
26	Lift speed, empty (36 Volt)	fpm <i>m/s</i>	110.2	0.56	110.2	0.56	110.2	0.56
27	Lift speed, loaded (48 Volt)	fpm <i>m/s</i>	98.4	0.50	86.6	0.44	78.7	0.40
28	Lift speed, empty (48 Volt)	fpm <i>m/s</i>	118.1	0.60	118.1	0.60	118.1	0.60
29	Lowering speed, loaded	fpm <i>m/s</i>	102.4	0.52	102.4	0.52	102.4	0.52
30	Lowering speed, empty	fpm <i>m/s</i>	98.4	0.5	98.4	0.5	98.4	0.5
31	Gradeability loaded at 1 mph (1.6 km/h) (36 Volt)	%	13		12		11	
32	Gradeability loaded at 1 mph (1.6 km/h) (48 Volt)	%	27		25		23	
33	Gradeability maximum (empty) (36 Volt)	%	30		28		26	
34	Gradeability maximum (empty) (48 Volt)	%	35		35		35	
WEIGHT								
35	Empty with minimum weight battery	lb <i>kg</i>	6,826	3,095	7,171	3,255	7,756	3,520
36	Axle load with rated load, front	lb <i>kg</i>	8,743	4,179	9,433	4,469	10,370	4,870
37	Axle load with rated load, rear	lb <i>kg</i>	1,083	516	1,239	586	1,386	560
38	Axle load without load, front	lb <i>kg</i>	3,313	1,502	3,462	1,573	3,553	1,610
39	Axle load without load, rear	lb <i>kg</i>	3,514	1,593	3,709	1,682	4,203	1,910
CHASSIS								
40	Tire size front	in	18 x 7 - 12 1/8		18 x 7 - 12 1/8		18 x 7 - 12 1/8	
41	Tire size rear	in	15 x 5 x 11 1/4		15 x 5 x 11 1/4		15 x 5 x 11 1/4	
42	Wheelbase	in <i>mm</i>	50.6	1,285	54.9	1,395	54.9	1,395
43	Track width front (center of tires)	in <i>mm</i>	35.9	912	35.9	912	35.9	912
44	Track width rear (center of tires)	in <i>mm</i>	6.9	174	6.9	174	6.9	174
45	Ground clearance at lowest point at mast	in <i>mm</i>	3.7	95	3.7	95	3.7	95
46	Ground clearance at center of wheelbase	in <i>mm</i>	3.3	85	3.3	85	3.3	85
47	Brakes service	type	mechanical / hydraulic		mechanical / hydraulic		mechanical / hydraulic	
48	Brakes parking	type	electric		electric		electric	
ELECTRICAL								
49	Battery type		lead acid		lead acid		lead acid	
50	Maximum battery capacity at 6 hr. discharge rate (36 Volt)	Ah <i>kWh</i>	880	31.7	1,100	39.6	1,100	39.6
51	Maximum battery capacity at 6 hr. discharge rate (48 Volt)	Ah <i>kWh</i>	660	31.7	770	37.0	770	37.0
52	Battery weight, minimum	lb <i>kg</i>	1,910	865	2,200	1,000	2,200	1,000
53	Battery weight, maximum	lb <i>kg</i>	2,400	1,090	2,700	1,225	2,700	1,225
54	Battery compartment size, maximum	in <i>mm</i>	39.6x20.8x24.8	1,006x528x630	39.6x25.1x24.8	1,006x638x630	39.6x25.1x24.8	1,006x638x630
55	Drive motor capacity (60 min. rating)	HP <i>kW</i>	6.0 x 2	4.5 x 2	6.0 x 2	4.5 x 2	6.0 x 2	4.5 x 2
56	Lift output (15% rating)	HP <i>kW</i>	15.4	11.5	15.4	11.5	15.4	11.5
57	Drive controls	type	AC transistor		AC transistor		AC transistor	
58	Hydraulic controls	type	AC transistor		AC transistor		AC transistor	
59	Relief pressure for attachments (at auxiliary valve)	PSI <i>Mpa</i>	2,625	18.1	2,625	18.1	2,625	18.1

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

FB16PNT- FB20PNT



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.

FB16PNT-FB20PNT

3,000 - 4,000 LB CAPACITY 3-WHEEL ELECTRIC FORKLIFT TRUCK

Flexible Operation

1. Rough Terrain

Even demanding applications that feature rough or uneven floors are no problem for these forklifts. Available modifications, such as solid pneumatic tires and a full-suspension seat, can further customize the forklifts to create a comfortable ride, shift after shift.

2. Cold Environments

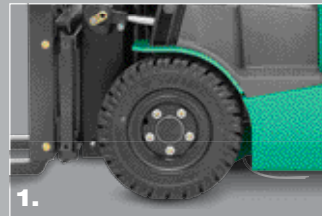
Cold storage applications can be harsh for both forklifts and operators. The Cold Storage Modification option offers a variety of enhancements, such as low-temperature grease, oils and heaters that are applied to key components, helping to protect both the operator and forklift in extreme conditions.

3. Dock-To-Stock

Built to perform in dock-to-stock applications, this series can be equipped with optional features for increased operator comfort and productivity.

4. Service Made Easy

Service technicians have easy access to components and diagnostic capabilities, resulting in quicker repairs and increased uptime.



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 dealer about details on factory retail programs, financing plans to meet your individual needs and additional options and dealer services.



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