

4,500-6,000 lb Capacity Electric Walkies



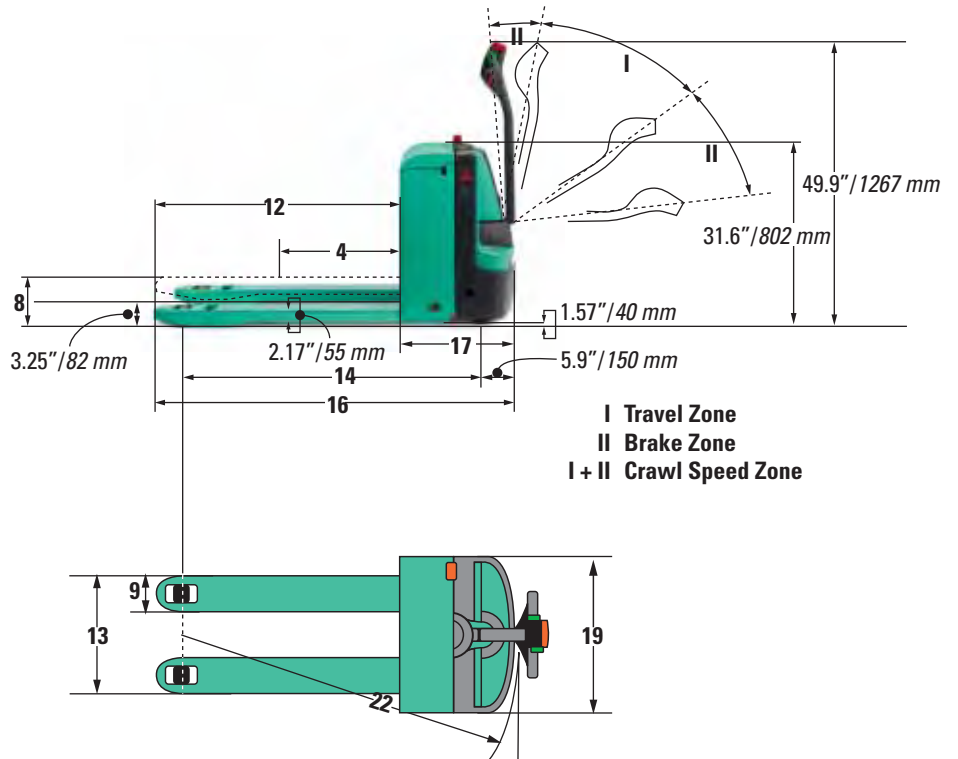
The N-Generation electric walkies integrate industry leading technologies for exceptional maneuverability and efficiency. With two unique models to meet the needs of many applications, the N-Generation offers exceptionally short head lengths for easy pin-wheeling and right angle stacking, reduced maintenance costs and longer runtimes. For value and reliability, these electric walkies include solid-state components for long life performance and flexible programmability for an array of environments and operator preferences. Choose the reliable, efficient and long running PMW23N (4,500 lb capacity model), or the heavy-duty PMW30N (6,000 lb capacity model) for rough or multiple shift applications.



Specifications

CHARACTERISTICS				PMW23N					
1	Type	low-lift walkie pallet							
2	Operator position	walk							
3	Capacity at rated load center	lb	kg	4,500				2,041	
4	Capacity load center - distance from fork face	in	mm	24				600	
5	Power	electric							
6	Tire type	polyurethane							
7	Wheels - drive / load wheels	1x / 2							
DIMENSIONS									
8	Maximum fork height	in	mm	8.2				207	
9	Fork width	in	mm	6.4				162	
10	Fork thickness	in	mm	2.2				55.0	
11	Fork length (nominal)	in	36.0	42.0	48.0	54.0	60.0	63.0	36.0
		mm	914	1,067	1,219	1,372	1,524	1,600	914
12	Fork length (actual)	in	33.4	39.3	45.3	51.2	57.1	61.0	35.6
		mm	850	1,000	1,150	1,300	1,450	1,550	905
13	Fork spacing - out-to-out maximum	in	20.9				26.4		
		mm	530				670		
14	Wheel base (lowered)	in	41.9	47.8	53.7	59.6	65.6	69.5	50.2
		mm	1,065	1,215	1,365	1,515	1,665	1,765	1,276
15	Wheel base (raised)	in	39.8	45.7	51.6	57.5	63.4	67.3	50.2
		mm	1,010	1,160	1,310	1,460	1,610	1,710	1,276
16	Overall length to fork tip	in	55.1	61.0	66.9	72.8	78.7	82.7	62.3
		mm	1,400	1,550	1,700	1,850	2,000	2,100	1,583
17	Overall length to fork face	in	mm	21.7				550	
18	Length - bumper to center of drive tire	in	mm	5.9				150	
19	Overall width	in	mm	27.6				700	
20	Overall height of power unit	in	mm	31.6				803	
21	Overall height with handle raised	in	mm	49.9				1,268	
22	Minimum outside turning radius	in	mm	60.8 [1]				1,545 [1]	
23	Minimum aisle - 90 deg stack - zero clearance	in	mm	68.9 [3]				1,750 [3]	
PERFORMANCE									
24	Travel speed loaded	mph	km/h	3.7				6.0	
25	Travel speed empty	mph	km/h	3.7				6.0	
26	Lift speed loaded	fpm	m/s	6.3				0.032	
27	Lift speed empty	fpm	m/s	8.3				0.042	
28	Lower speed loaded	fpm	m/s	10.4				0.053	
29	Lower speed empty	fpm	m/s	7.1				0.036	
30	Gradeability - loaded - maximum	%		8.0					
31	Gradeability - empty - maximum	%		20.0					
WEIGHT									
32	Truck weight - empty - with max weight battery	lb	kg	1,274				578	
33	Maximum battery weight	lb	kg	639				290	
34	Axle load - with rated load - front	lb	kg	2,341				1,062	
35	Axle load - with rated load - rear	lb	kg	3,433				1,557	
36	Axle load - without load - front	lb	kg	1,010				458	
37	Axle load - without load - rear	lb	kg	264				120	
CHASSIS									
38	Ground clearance - center of wheel base	in	mm	1.2				30.0	
39	Ground clearance - bumper	in	mm	1.6				40.0	
40	Tire size - front - drive wheels	in	mm	9.1 x 2.75				230 x 70.0	
41	Tire size - rear - load wheels	in	mm	3.2 x 3.9				82.0 x 100	
42	Tire size - casters	in	mm	3.9 x 1.6				100 x 40	
43	Brake type - service	advanced regenerative							
44	Brake type - parking	electromagnetic							
ELECTRICAL OR POWERTRAIN									
45	Battery type	lead-acid							
46	Battery voltage	V		24					
47	Battery capacity	Ah		255					
48	Traction motor output 24V (60 minute rating)	HP	kW	1.3				1.0	
49	Lift motor output 24V	HP	kW	1.6				1.2	
50	Drive control type	3-phase AC							
51	Drive control speed	infinite							
52	Hydraulic control type	contactor							
53	Hydraulic control speed	one							
54	Relief pressure	psi	bar	1,885				130	

PMW30N			
low-lift walkie pallet			
walk			
6,000	2,725		
24.0	610		
electric			
polyurethane			
1x / 2			
8.3	210		
6.7	170		
2.2	55.0		
42.0	48.0	54.0	60.0
1,067	1,219	1,372	1,524
41.6	47.6	53.6	59.6
1,056	1,210	1,362	1,514
26.4			
670			
56.5	62.4	68.5	74.6
1,436	1,586	1,741	1,896
56.5	62.4	68.5	74.6
1436	1,586	1,741	1,896
68.6	74.5	80.6	86.7
1,743	1,893	2,048	2,203
26.8 [3]	680 [3]		
7.0	179		
27.2	690		
33.5	850		
51.4	1,305		
65.4 [2]	1,660 [2]		
73.0 [3]	1,855 [3]		
3.7	6.0		
3.7	6.0		
9.6	0.05		
11.8	0.06		
11.8	0.06		
11.8	0.06		
8.0			
20.0			
1,521	690		
639	290		
2,399	1,088		
5,122	2,324		
1,172	532		
348	158		
1.2	30.0		
1.5	38.0		
9.1 x 2.75	230 x 70.0		
3.3 x 4.3	85.0 x 110		
3.9 x 1.6	100 x 40.0		
advanced regenerative			
electromagnetic			
lead-acid			
24			
255			
2.0	1.5		
2.0	1.5		
SepEx®			
infinite			
contactor			
one			
2,538	175		



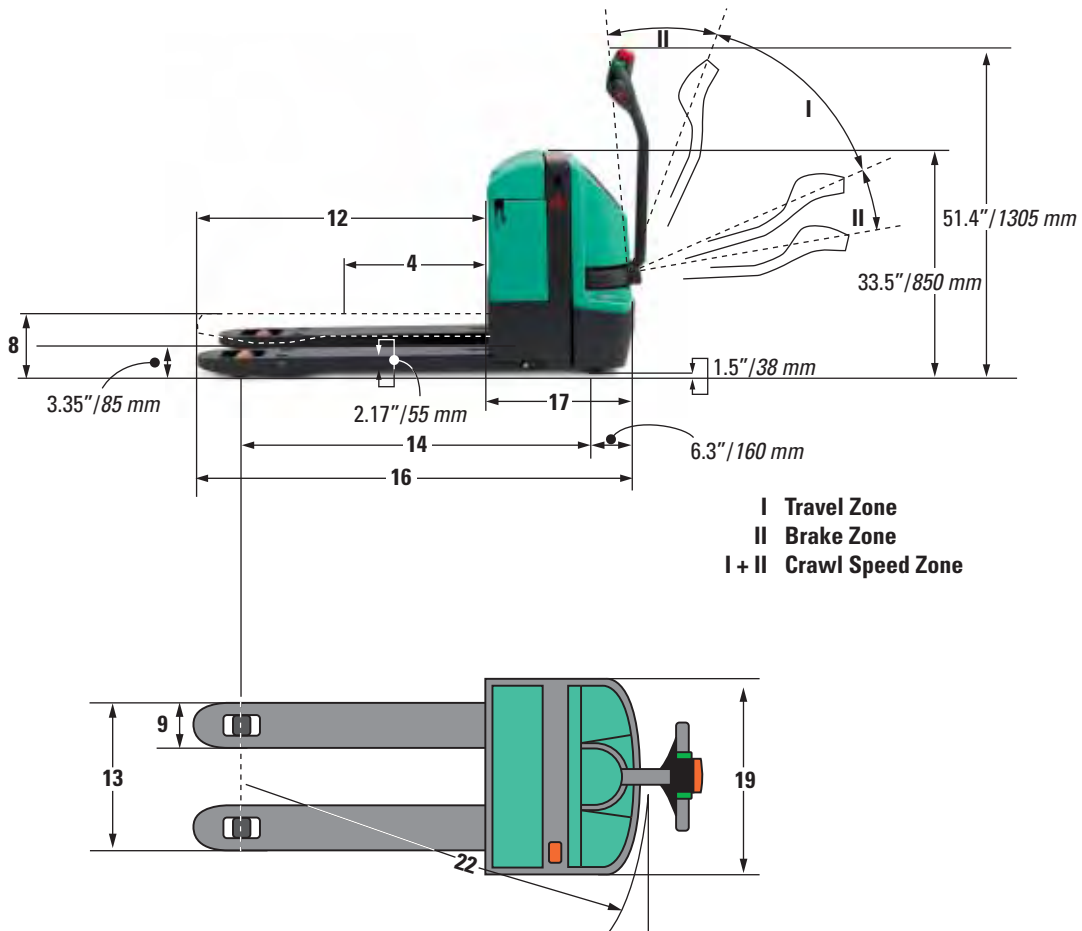
NOTE: All dimensions with 48.0 inch (nominal) forks unless otherwise noted

[1] Add 2.2 in (55.0 mm) if forks are lowered

[2] Add 3.0 in (75.0 mm) if forks are lowered

[3] Add 6.0-12.0 inches for ease of maneuvering

NOTE: 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.



BATTERY COMPARTMENT INFORMATION*

MODEL	PMW23N		PMW30N	
	in	mm	in	mm
Length	25.28	642	25.35	644
Width	8.70	221	8.54	217
Height	23.23	590	24.41	620
Roller Height from Ground	N/A		N/A	
Minimum Battery Weight	lbs	kg	220	100

* Deduct 0.5 in (13.0 mm) from each dimension for maximum battery size.

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.

Quality

Reliability

Value

Standard Features

- Low-profile tapered fork tips
- Pallet entry device
- Solid steel frame
- Crawl Speed Button
- Key switch
- Battery discharge indicator
- Operation with the handle in the vertical position
- Programmable speed, acceleration and coast.
- Advanced regenerative braking
- Maintenance-free AC drive motor (PMW23N only)
- 500 hour service intervals

Drive System

The PMW23N features a virtually maintenance-free AC drive system for precise speed control, smooth directional changes and quiet operation. The PMW30N features a high performing, energy efficient SepEx® drive system for operation in more demanding applications.

Maneuverability

Both N-Generation electric walkies feature the shortest head length and tightest turning radius in their respective classes. Having the ability to maneuver with the handle in a fully vertical position, eases operation in tight areas that require pin-wheeling or right angle stacking.

Operator Comfort

The low mounted handle maximizes the distance between the operator and the tractor, providing an additional measure of safety. As a result of the low mounted position, steer effort is also significantly reduced. The handle also offers large, easy to reach fingertip controls while the low profile chassis improves visibility of the fork tips.

Customization

The N-Generation is completely programmable (PMW23N models are programmable via an operational key pad access or an advanced information display while PMW30N models use a handset). Parameters for travel speed, acceleration, braking and coast can be programmed for a variety of applications and operator preferences.

Serviceability

Serviceability has been improved on both models with a single-level access design. This design eliminates the need to remove multiple components in order to service a specific component. The result is a dramatic reduction in downtime and labor expense. Furthermore, on the PMW23N, the AC drive system eliminates the need to check and replace motor brushes and springs altogether.



See For Yourself

- Compare with similar models and you'll notice that the N-Generation models have the shortest head length and tightest turning radius – making them the most maneuverable – in their class.
- Notice the ease and comfort that the operator experiences while traveling with the walkie. This is a result of the low mounted control handle, which also reduces steer effort.
- For those tight areas that require increased control over the walkie such as pinwheeling and right angle stacking, operators will appreciate the reduced travel speeds that are available when pressing the crawl speed button while keeping the handle in a full upright position. This not only simplifies the task, it also reduces the chance of product damage.
- Each model features a smart direction reversal button that only functions when travel is requested or the truck is rolling. Unlike with many other competitive models, this helps prevent inadvertent forward movement if pressed while the unit is stationary.



Ready. Reliable. Right On The Money.

Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network. Dealer locations exist throughout North and South America, offering flexible financing options and product support.

Value And Support For The Long Haul

Our programs deliver value just like our forklifts. One example is our parts program, designed to be your single source for quality replacement parts — no matter what forklift brand you own. Another is the Master Protection® program which offers extended powertrain warranties for your Mitsubishi forklifts. Your Mitsubishi forklift truck dealer offers an extensive line of products and services including Master Maintenance® programs, which tailor service and maintenance to your specific applications. Your Mitsubishi forklift truck dealer can provide options and additional visual and audible warning devices aimed at your specific applications and requirements. Operator training programs are also available to help reduce the potential for product damage and personal injury.

Electric Walkies
4,500-6,000 lb Capacity



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