

6,000 lb Capacity AC Electric End-Rider Walkie



The N-Generation walkie end-rider is designed to deliver reliable performance; ideal for an array of applications and tasks such as low-level order picking or loading and unloading of trailers. This end-rider improves operator efficiency with competitive speeds, comfort features and extended runtimes. The N-Generation is powered by a virtually maintenance-free AC drive motor and matched AC controller that work to recover more energy with the advanced regenerative braking feature. All of this is packaged in a compact yet durable chassis with extended service intervals of up to 500 hours in most applications. Choose from single or double pallet lengths and short or extended fork tips.



Specifications

CHARACTERISTICS								
1	Type					low		
2	Operator position							
3	Capacity	at rated load center			lb	kg	6,000	
4		at load center-distance from fork face			in	mm	24	
5	Power							
6	Tire type							
7	Wheels - drive / load wheels / caster							
DIMENSIONS								
8	Maximum fork height					in	mm	9.3
9	Fork width	standard fork tips			in	mm	9.0	
10		extended fork tips			in	mm	9.8	
11	Fork thickness					in	mm	2.4
12	Fork length	standard fork tips	nominal	in	mm	36 / 914	42 / 1,067	48 / 1,219
13			actual	in	mm	35.7 / 908	41.7 / 1,060	47.8 / 1,213
14		extended fork tips	nominal	in	mm	84.0 / 2,134		93.0 / 2,362
15			actual	in	mm	83.7 / 2,127		92.8 / 2,356
16	Fork spacing - out-to-out maximum	standard fork tips	nominal	in	mm	22.0 / 559		
17			actual	in	mm	22.0 / 560		
18		extended fork tips	nominal	in	mm	23.0 / 584		
19			actual	in	mm	22.8 / 580		
20	Wheel base	standard fork tips	lowered	in	mm	54.3 / 1,380	60.3 / 1,532	66.4 / 1,686
21			raised	in	mm	49.4 / 1,256	55.4 / 1,408	61.5 / 1,562
22		extended fork tips	lowered	in	mm			
23			raised	in	mm			
24	Overall dimensions	length to fork tip	standard	in	mm	78 / 1,981	83.9 / 2,131	90.0 / 2,286
25			extended	in	mm	125.9 / 3,198		135 /
26		length	to fork face	in	mm	42.2 [3]		
27			from bumper to center drive tire	in	mm	16.3		
28		width		in	mm	35.8		
29		height	of power unit	in	mm	38.3		
30	with handle raised		in	mm	58.0			
31	Minimum outside turning radius					in	mm	77.7 [1]
32	Minimum aisle - 90 deg stack - zero clearance w/ 48 in. (1219 mm) long load					in	mm	93.0 [1, 2]
PERFORMANCE								
33	Speeds	Travel loaded / empty			mph	km/h	6.8 / 9.3	
34		Lift loaded / empty			fpm	m/s	7.8 / 9.9	
35		Lower loaded / empty			fpm	m/s	8.4 / 8.2	
36	Gradeability - loaded - maximum					%		
37	Gradeability - empty - maximum					%		
WEIGHT								
38	Truck weight - empty - with max weight battery					lb	kg	3,094 [1]
39	Maximum battery weight					lb	kg	1,500
40	Axle load	with rated load	front	lb	kg	3,489 [1]		
41			rear	lb	kg	5,604 [1]		
42		without load	front	lb	kg	2,394 [1]		
43			rear	lb	kg	699 [1]		
CHASSIS								
44	Ground clearance	center of wheel base			in	mm	0.98	
45		bumper			in	mm	4.7	
46	Tire size	front - drive wheels			in	mm	13.5 x 3.3	
47		rear - load wheels			in	mm	3.2 x 6.5	
48		casters			in	mm	5.5 x 2.1	
49	Brake type	service						
50		parking						
ELECTRICAL OR POWERTRAIN								
51	Battery	type [4]						
52		voltage			V			
53		capacity			Ah			
54	Traction motor output 24V (60 minute rating)					HP	kW	5.4
55	Lift motor output 24V					HP	kW	2.0
56	Drive control	type						
57		speed						
58	Hydraulic control	type						
59		speed						
60	Relief pressure					psi	bar	2,755

PMWR30N			
-lift walkie rider pallet			
walk/ride			
		2,725	
		610	
electric			
polyurethane			
1 x (+2 casters) / 2			
		235	
		229	
		249	
		60.0	
54.0 / 1,372	60.0 / 1,524	96.0 / 2,438	103 / 2,616
53.7 / 1,365	59.7 / 1,517	95.7 / 2,432	102.8 / 2,610
	96.0 / 2,438		103 / 2,616
	95.7 / 2,432		102.8 / 2,610
		27.0 / 686	
		26.8 / 680	
		28.0 / 711	
		27.6 / 700	
72.3 / 1,837	78.4 / 1,991	114.3 / 2,904	121.3 / 3,082
67.4 / 1,713	73.5 / 1,867	109.4 / 2,780	116.5 / 2,958
86.3 / 2,192			
81.4 / 2,068			
95.9 / 2,437	101.9 / 2,589	138 / 3,504	145 / 3,682
3,429	138 / 3,505		145 / 3,683
		1,072	
		415	
		909	
		974	
		1,473	
		1,974 [1]	
		2,362 [1]	
		11.0 / 15.0	
		0.04 / 0.05	
		0.04 / 0.04	
13.0			
15.0			
		1,403 [1]	
		680	
		1,582 [1]	
		2,542 [1]	
		1,086 [1]	
		317 [1]	
		25.0	
		120	
		343 x 85.0	
		82.5 x 165	
		140 x 54.0	
Advanced regenerative			
electromagnetic			
lead-acid			
24			
750			
		4.0	
		1.5	
3-phase AC			
infinitely variable			
contactor			
one			
		190	



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: These specifications assume the use of drive axles and tires specified. 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.)

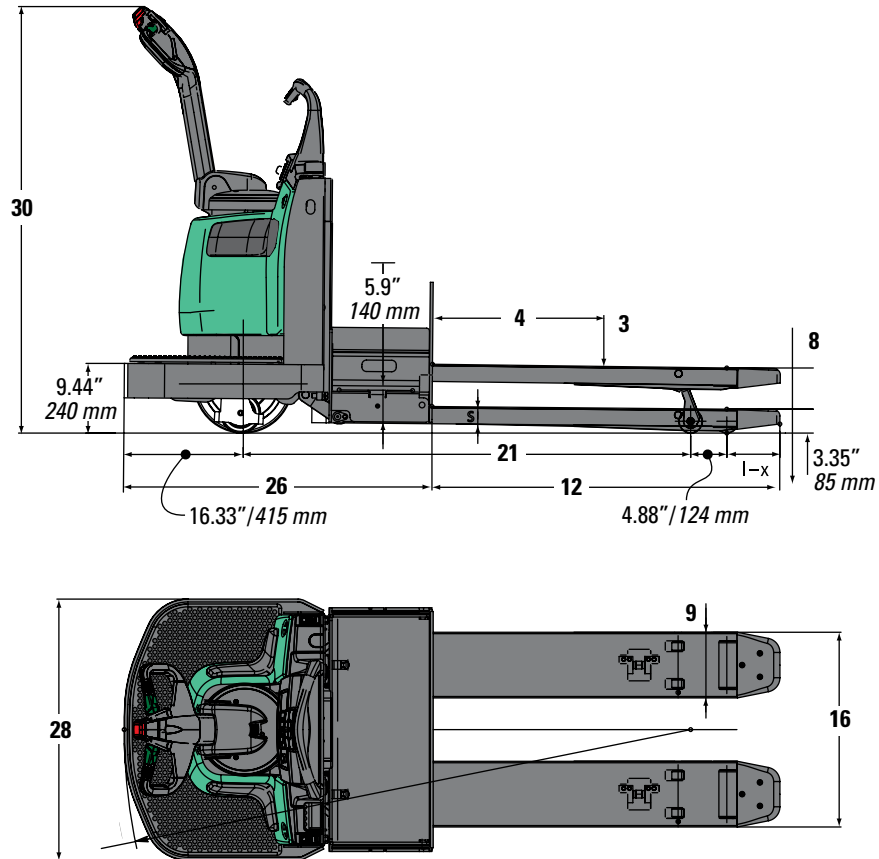
[1] 6000 lb capacity model with 48.0 in. (1219 mm) standard fork-tip forks

[2] Add 6.0-12.0 in. (152 - 305 mm) for ease of maneuvering.

[3] Single load wheel configuration. Tandem load wheel add 1.2 in. (30.0 mm)

[4] Connectors SB175 grey

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



BATTERY COMPARTMENT INFORMATION*

MODEL	PMWR30N		
Length	in	mm	31.9 / 812
Width	in	mm	13.46 / 342
Height	in	mm	31.0 / 787
Roller Height from Ground	in	mm	5.5 / 140
Minimum Battery Weight	lbs	kg	220 / 100

* Deduct 0.5 in (13 mm) from each dimension for maximum battery size.

FORK INFORMATION

Standard Fork Tip Length	in	mm	7.3 / 185		
EXTENDED FORK					
Fork Length	in	mm	84.0 / 2,134	93.0 / 2,362	96.0 / 2,438
Fork Tip Length	in	mm	23.3 / 592	32.3 / 820	35.3 / 897

Standard Features

- Maintenance-free AC drive motor
- Large operator platform with toe alcove
- Low-profile tapered fork tips and pallet entry slide for easy pallet entry and exit
- Solid steel frame
- Crawl speed button
- Key switch
- Battery discharge indicator
- Programmable high-speed button
- Operation with the handle in the vertical position
- Vulkollan® drive, load and caster wheels
- Programmable speed, acceleration and coast
- Advanced regenerative braking
- 500 hour service intervals
- eXtreme Abrasion Resistant (XAR) steel at wear points on undercarriage.

Drive System

The PMWR30N features a virtually maintenance-free AC drive system for high performance, precise speed control, smooth directional changes and quiet operation. Optional jog buttons on the handle and chassis and mechanical or electronic coast control features improve operator productivity for low-level order picking functions.

Durability

The N-Generation walkie end-rider has many standard features designed with longevity in mind. SecureTrac casters are linked via a torque tube; designed to be self protecting and improve stability over free-floating casters. All of the switches are sealed and rated for at least 1 million cycles. The chassis and lift linkage were repeatedly tested with fully rated loads to assure durability. Long-life Vulkollan® wheels are standard and eXtreme Abrasion Resistant (XAR) steel reinforces the heel and side rails of the forks at the wear points, to ensure long lasting performance.

Operator Comfort

A padded platform comes standard with the N-Generation, as well as a padded tiller arm and grab bar. Operator comfort is further enhanced with optional knee pads on the tractor cover and a suspended platform designed to reduce shock to the operator's feet and legs. The platform space is maximized with one of the industry's only toe alcoves, increasing the available space for the operator to stand on.

Serviceability

The AC drive system eliminates the need to check and replace motor brushes and springs and serviceability has been improved with a single-level access design. This design eliminates the need to remove multiple components in order to service a specific component that may need to be repaired or replaced. The result is a dramatic reduction in downtime and labor expense.

Customization

The N-Generation is completely programmable to meet the needs of challenging applications and the operator's preferences. Parameters for travel speed for either direction, acceleration and coast can all be set with a handheld tool or by using the optional keypad access and advanced information display features.



See For Yourself

- Because a comfortable operator is a productive operator, we've made a padded floor pad and tiller arm standard on these end-riders. The platform, one of the largest in the industry, is a large 612 sq. in. and has a toe alcove to increase the available space for the operator to stand on.
- Driving with the control handle in a vertical position is a unique characteristic on these end-riders, thanks to a crawl speed button. Stand on the platform with the handle fully vertical and press the crawl speed button. You will notice the reduced speed and improved maneuverability in tight turning areas.
- Notice that the smart direction reversal button only functions when travel is requested or the truck is rolling. Unlike many competitive models, this helps prevent inadvertent forward movement if pressed while the unit is stationary.
- For order pickup we offer an optional "Hot Pick" control that places the jog and stop buttons on the side of the tractor. Placing the controls closer to the pick location reduces walking distance and will increase order pickup cycle time.



Walkie End-Rider 6,000 lb Capacity

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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.

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