

# *Electric Walkie End-Rider*

*Ready to Perform  
To Your Applications*



[www.mitforklift.com.sg](http://www.mitforklift.com.sg)

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Note: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Mitsubishi forklift truck dealers. Mitsubishi Forklift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

***PWR30/40 Series***  
***2.7 - 3.6 ton***



# Mitsubishi PWR30/40 Series

Forklift Trucks

## Acquire the Power to Deliver

Featuring the Mitsubishi PWR30/40 electric walkie-end riders, these end riders are designed to perform and deliver optimized value to your businesses. Its outstanding operation efficiency and practical truck performance would deliver the type of speed, and durability to match your business needs while keeping your operator comfortable during shifts.



Designed to simplify challenging applications to be less demanding, Mitsubishi PWR30/40 is created to provide both security and comfort for operators who need to be efficient, and confident to operate. With advanced options availability and vast forks length to select, these end riders are capable to handle up to triple pallets without compromising its performance.

### Multiple Applications

Adaptability is key with the PWR30/PWR40 end riders, making it the prime solution for a wide variety of applications. For ground-level jobs, its speed and efficiency are hard to match.



### Long Distances

Long travel distances can sometimes be an obstacle in food packaging, general stocking and manufacturing applications. The PWR30 series is equipped with many ergonomic features such as, optional suspended platform – helping to relieve stress on operators' foot for long operating hours.



### Order Picking

The Pro-pick option saves time and energy by eliminating the need for the operator to step back onto the truck while proceeding to the next pick.

### Corrosive Applications

The end-rider's corrosion protection option includes galvanized components such as frames, pull rods, load wheel linkage, lift linkage and forks, helping to provide increased durability in harsh environments.



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 MITSUBISHI  
FORKLIFT TRUCKS

PWR30



# QUALITY THAT NEVER QUILTS

## Powerful Drive & Sensitive Controls

Capable of achieving **travel speed up to 15km/hr**, you can be ensured of its high delivering productivity to help you get work done faster. With the combination of both high output controller and optimized programming, PWR30/40 is one of the **fastest traveling end-riders** in the industry enhanced with **smooth and precise controls** at the touch of your operators' fingertips!

### Options available:

- **Dual Tiller Jog Buttons**  
Convenient jog buttons mounted on both sides of the tiller allow for both steering and walk-along operation.
- **Coast Control with Mechanical Tiller Lock**  
Allows operators to lock the tiller in the operating position – saving the operator the additional step of lowering the handle when transitioning to "rider" mode.
- **Electric Power Steering**  
To offer you the effortless steering experience.

## Ease of Maintenance

PWR30/40 utilizes a **simplified pull rod design** on its forks thus, only **one tool adjustment** is required for the operator to do the job. In addition, the motor cover is made of **heavy duty TPO (Thermoplastic Polyolefin)** and it is easy to be removed/installed for maintenance purpose while providing maximum protection for the electrical components.

## Regenerative Braking

Mitsubishi PWR30/40 is equipped with **electromagnetic brake system** which provides regenerative braking. Regardless of plugging or upon coasting, the regenerative braking allows substantially easy maintenance with reduced wear on the brake components than to a conventional mechanical brake.



## Enhanced Ergonomics

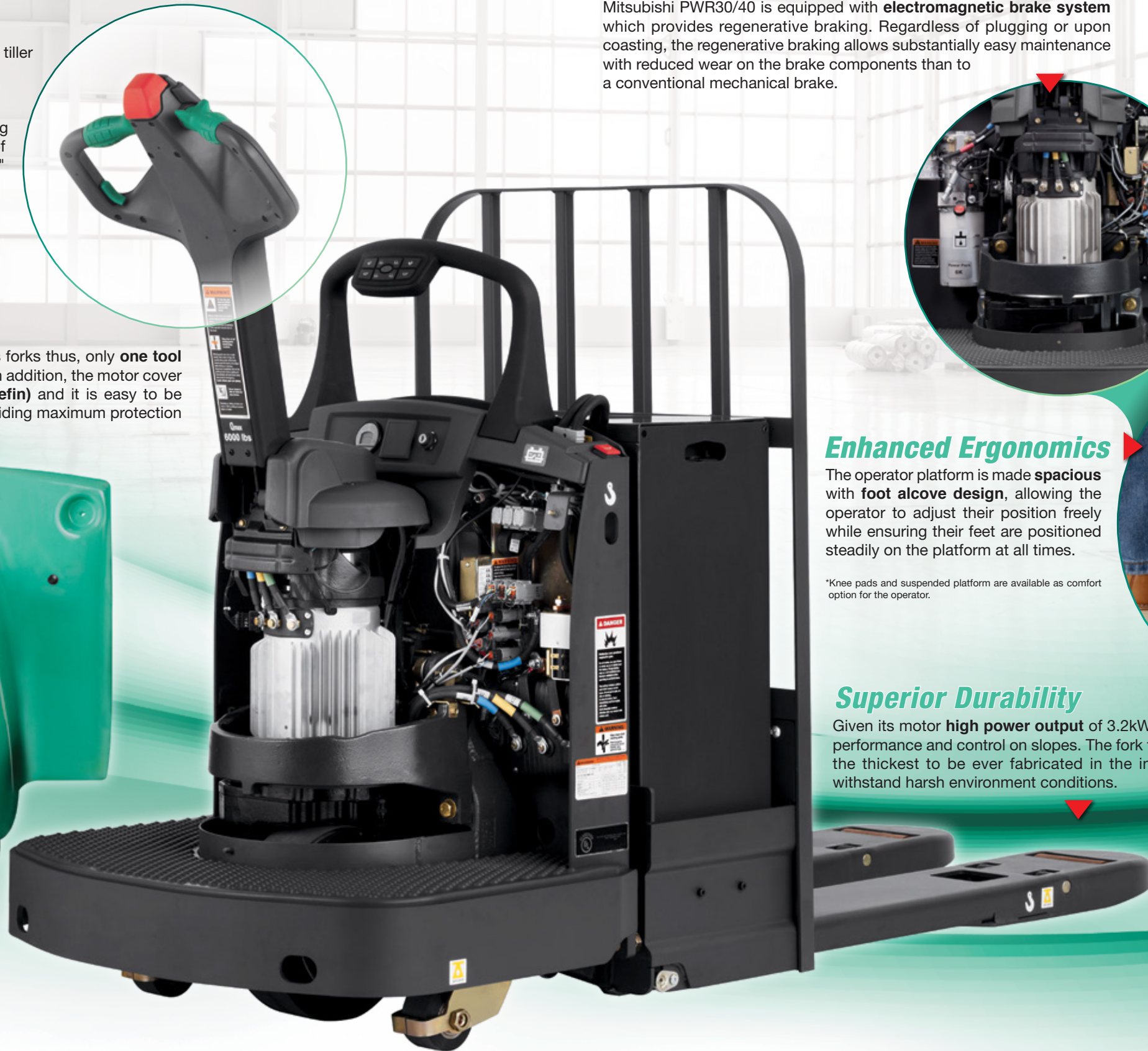
The operator platform is made **spacious** with **foot alcove design**, allowing the operator to adjust their position freely while ensuring their feet are positioned steadily on the platform at all times.

\*Knee pads and suspended platform are available as comfort option for the operator.



## Superior Durability

Given its motor **high power output** of 3.2kW, PWR30/40 is able to achieve high levels of performance and control on slopes. The fork tips are steel casted while the entire forks are the thickest to be ever fabricated in the industry. It has definitely prove its worth to withstand harsh environment conditions.

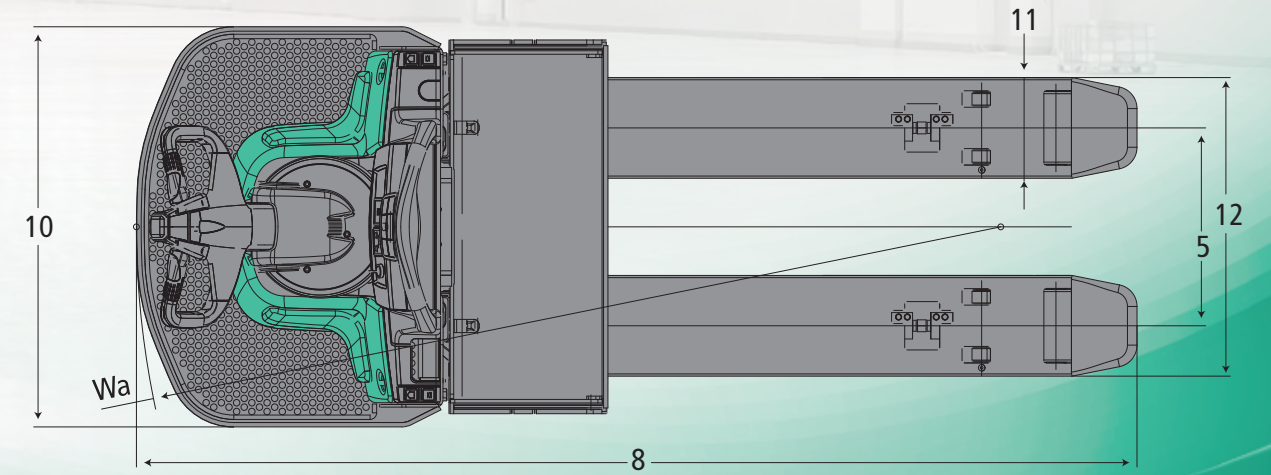
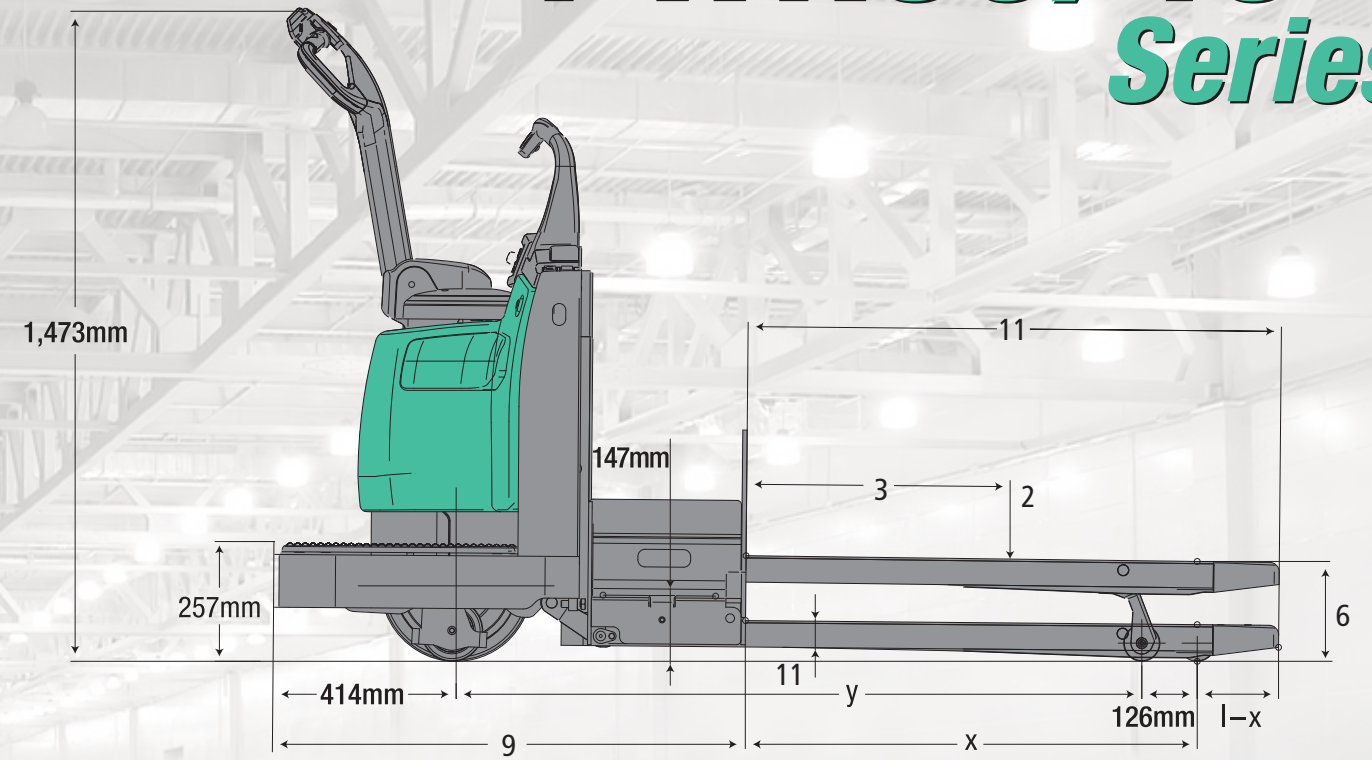




# SPECIFICATIONS

# PWR30/40 Series

CHARACTERISTICS				PWR30 <sup>(1)</sup>				PWR40 <sup>(1)</sup>			
1	Type			Electric Walkie End-Rider				Electric Walkie End-Rider			
2	Capacity at rated load center	lb	kg	6,000	2,700	8,000	3,600				
3	Capacity load center - distance from fork face	in	mm	24.0	600	24.0	600				
DIMENSIONS											
4	Wheelbase (forks raised)	in	mm	61.5 <sup>(2)</sup>	1,560 <sup>(2)</sup>	81.5 <sup>(2)</sup>	2,068 <sup>(2)</sup>				
5	Track width, rear	in	mm	17.8	450	17.8	450				
6	Maximum lift height	in	mm	8.7	222	8.7	222				
7	Lowered fork height	in	mm	3.35	85	3.35	85				
8	Overall length	in	mm	90	2,287	138	3,507				
9	Length to fork face (headlength)	in	mm	42.3	1,076	42.3	1,076				
10	Overall width	in	mm	35.8	910	35.8	910				
11	Fork dimensions	in	mm	2.4 / 9.0 / 47.7	60 / 229 / 1,211	2.4 / 9.8 / 95.7	60 / 248 / 2,431				
12	Overall width across forks	in	mm	26.8	679	27.5	698.2				
13	Ground clearance, center of wheelbase	in	mm	0.98	25.2	1.07	27.2				
14	Turning radius (forks raised)	in	mm	78.0 <sup>(2)</sup>	1,981 <sup>(2)</sup>	97.9 <sup>(2)</sup>	2,487 <sup>(2)</sup>				
PERFORMANCE											
15	Travel speed, loaded / unloaded	mph	kph	7.1 / 9.3	11.4 / 15	6.2 / 9.3	10 / 15				
16	Lift speed, loaded / unloaded	ft/min	m/s	8.0 / 9.8	0.040 / 0.050	7.5 / 9.8	0.038 / 0.050				
17	Gradeability, loaded / unloaded		%	13 / 25		10 / 25					
WEIGHT											
18	Service weight including max. weight battery (see line 31)	lb	kg	2,730	1,240	3,030	1,375				
19	Axle loading, loaded front/rear including max. weight battery	lb	kg	3,100 / 5,600	1,420 / 2,520	2,795 / 8,235	1,300 / 3,675				
20	Axle loading, unloaded front/rear including max. weight battery	lb	kg	2,020 / 710	918 / 322	2,115 / 915	960 / 415				
CHASSIS											
21	Tires			PU (polyurethane)				PU (polyurethane)			
22	Tire size, drive tire	in	mm	12.0 x 5.0	305 x 127	12.0 x 5.0	305 x 127				
23	Tire size, load wheels (x2)	in	mm	3.27 x 6.5	83 x 165	3.27 x 6.5	83 x 165				
24	Casters (dimensions) (x2)	in	mm	4.0 x 2.5	101 x 63	4.0 x 2.5	101 x 63				
25	Service brake			Regenerative				Regenerative			
26	Parking brake			Electromagnetic				Electromagnetic			
ELECTRICAL											
27	Drive motor rating 60 minutes	HP	kW	4.3	3.2	4.3	3.2				
28	Lift motor rating at 10%	HP	kW	2.0	1.5	2.0	1.5				
29	Battery voltage, nominal capacity (at 6 hour rate)		V / Ah	24 / 840				24 / 840			
30	Battery weight (minimum)	lb	kg	970	440	970	440				
31	Battery weight (maximum)	lb	kg	1,430	650	1,430	650				
32	Type of drive control			3-phase AC drive control				3-phase AC drive control			
33	Steering			Mechanical				Mechanical			



1) PWR30 with 27 x 48 inch (686 x 1219 mm) forks and standard fork tip; PWR40 with 27 x 96 inch (686 x 2438 mm) forks and extended fork tip  
 2) Load section lowered: add 4.96 inches (126 mm)

STANDARD FORK TIP				EXTENDED FORK TIP											
Nominal Fork Length		in	mm	36.0	42.0	48.0	60.0	67.0	72.0	84.0	93.0	96.0	103.0	144.0	
Actual Fork Length	l	in	mm	35.7	41.7	47.7	59.6	66.7	71.7	83.7	92.7	95.7	102.7	143.5	
Overall Fork Length		in	mm	78.0	84.0	90.0	102.0	109.0	114.0	126.1	135.1	138.1	145.0	185.9	
Wheelbase (raised)	y	in	mm	49.4	55.4	61.5	73.4	80.4	85.4	97.4	106.4	109.4	116.3	157.2	
Load Wheel Distance	x	in	mm	28.3	34.3	40.3	52.3	59.3	64.3	76.3	85.3	88.3	95.2	136.1	
Fork Tip Length	l-x	in	mm	7.3	7.3	7.3	7.3	7.3	7.3	13.0	13.0	13.0	13.0	13.0	
Grade Clearance		%		37.8	33.5	30.1	25.0	25	25	22.5	22.5	22.5	22.5	16.7	
Turning Radius (raised)	Wa	in	mm	66.1	72.0	78.0	89.9	96.9	101.9	113.9	121.9	124.9	131.8	172.7	
Fork Width		in	mm	9.0	9.0	9.0	9.0	9.0	9.0	9.8	9.8	9.8	9.8	9.8	