

NISSAN
FORKLIFT

Platinum RPXN Series

Walkie/Rider Pallet Truck Models

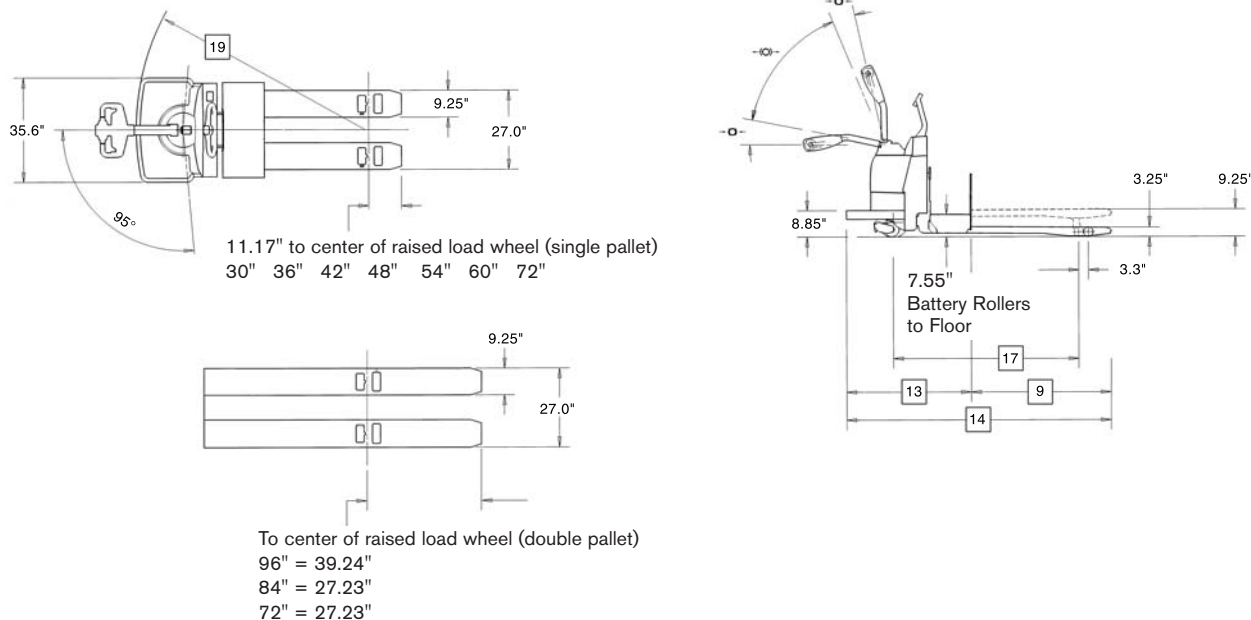
6,000 & 8,000 lb.
Capacity



Platinum RPXN^{series}

Dimensions

RPX Walkie/Rider



Options



Coast control allows truck to slowly coast to a complete stop, for more efficient order picking. Actuated manually using a toggle lever or by an electronic switch (shown).



Load backrests have a slip-on or tilt down design available to facilitate battery change out. Tilt down includes Nissan's EZ release feature.



Cushioned platform has a thick padded design to minimize "road shock," providing a smoother, more comfortable ride for the operator.



Magnetic convenience tray adheres to the top of the battery box. Includes shrink wrap holder and room for operator's tools.



Battery roller design provides easier battery change out. Includes removable side gates.



Sidetracker promotes greater productivity by allowing operator to walk beside truck while performing low level order picking¹.

¹ Must be ordered with manual Coast Control or electronic Click-n-Coast feature.

6,000 & 8,000 lb. capacity

Main Truck Specifications

CHARACTERISTICS				NISSAN	NISSAN		
1	Manufacturer			NISSAN	NISSAN	1	
2	Model	Model Designation		RPX60N	RPX80N	2	
		Long Model Code		RPXT2W2G60NV	RPXT2W2G80NV		
3	Load Capacity		lb (kg)	6000 (2722)	8000 (3629)	3	
4	Power Type	Electric		24 Volt	24 Volt	4	
5	Operator Type			Walkie/Rider	Walkie/Rider	5	
6	Tire Type	Drive Tire		Solid Rubber	Solid Rubber	6	
		Load Wheels		Poly	High Load Poly		
7	Wheels	Number (x=driven) front/rear		1x/2	1x/2	7	
8	Size	Outside Spread	in (mm)	27 (686)	27 (686)	8	
		Nominal Length	in (mm)	48 (1219)	96 (2438)	9	
		Height	in (mm)	9.25 (235)	9.25 (235)	10	
		Lowered Position	in (mm)	3.25 (82.6)	3.25 (82.6)	11	
12	Individual Fork Width		in (mm)	9.25 (235)	9.25 (235)	12	
13	Overall Dimensions	Head Length	in (mm)	42.9 (1090)	42.9 (1090)	13	
		Length with Forks	in (mm)	90.8 (2306)	138.8 (3526)	14	
	Width	Chassis	in (mm)	32.5 (826)	32.5 (826)	15	
		Operator Platform		35.6 (904)	35.6 (904)	16	
	17	Wheelbase	Forks Raised	in (mm)	63.6 (1615)	83.5 (2121)	17
	18	Grade Clearance	Bottom of Pallet to Floor	%	29.4	22.4	18
	19	Turning Radius	Minimum Outside	in (mm)	79.7 (2025)	99.5 (2528)	19
	20	Right Angle Stacking ¹	40" x 48" Pallet	in (mm)	89 (2261)	139 (3531)	20
	21	Truck Weight	With Standard Forks	lb (kg)	1165 (528)	1340 (608)	21
	22	Tires / Wheels	Drive Tire	in (mm)	10 x 5 (254 x 127)	10 x 5 (254 x 127)	22
Load Wheels			in (mm)	3.25 x 6 (83 x 152)	3.25 x 6 (83 x 152)	23	
24	Speed - Travel	No Load	mph (kph)	9.1 (14.5)	9.1 (14.5)	24	
		Full Load	mph (kph)	6.4 (10.3)	6.0 (9.7)	25	
	Speed - Lift / Lower	Empty	seconds	3.6 / 5.1	3.6 / 5.1	26	
		Full Load	seconds	5.1 / 4.8	6.1 / 4.7	27	
28	Battery Compartment Size	L x W x H	in (mm)	32 x 13.5 x 31 (812 x 343 x 787)	32 x 13.5 x 31 (812 x 343 x 787)	28	
		Amp Hr Capacity	Ah	750	750	29	
		Weight	lb (kg)	900 / 1500 (408 / 680)	900 / 1500 (408 / 680)	30	
		Lead Length	Position "B"	in (mm)	20 (508)	20 (508)	31
		Connector	type	SB-175 Red	SB-175 Red	32	

¹ Add 6-8" for ease of operation. Includes 1" clearance on each side of load

² Battery compartment size with adjustable retainers - 31 x 13.25 x 31 (787 x 336 x 787); with optional rollers and side gates - 31.25 x 13.25 x 31 (793 x 336 x 787)

Specifications

RPXN Walkie/Rider			Single Pallet			Double Pallet			
SPECIFICATIONS	9	Nominal Fork Length	in	36	42	48	84	96	9
		Actual Fork Length	in (mm)	35.7 (907)	41.7 (1059)	47.7 (1212)	83.7 (2126)	95.7 (2431)	
	17	Wheelbase (Forks Raised)	in (mm)	51.6 (1311)	57.6 (1463)	63.6 (1615)	83.5 (2121)	83.5 (2121)	17
	18	Grade Clearance	%	36.4	32.5	29.4	22.4	22.4	18
	19	Turning Radius	in (mm)	68.0 (1728)	73.9 (1876)	79.7 (2025)	99.5 (2528)	99.5 (2528)	19
	20	Right Angle Stacking Aisle ^{1,2}							20
		40" Load Width	in (mm)	77 (1956)	83 (2108)	89 (2261)	126 (3200)	139 (3531)	
		42" Load Width	in (mm)	77 (1956)	83 (2108)	89 (2261)	126 (3200)	139 (3531)	
		48" Load Width	in (mm)	77 (1956)	83 (2108)	89 (2261)	126 (3200)	139 (3531)	
		90° Intersecting Aisle ¹							
		40" Load Width	in (mm)	63 (1600)	66 (1676)	68 (1727)	80 (2032)	82 (2083)	
		42" Load Width	in (mm)	64 (1626)	67 (1702)	70 (1778)	81 (2057)	83 (2108)	
	48" Load Width	in (mm)	67 (1702)	70 (1778)	73 (1854)	85 (2159)	86 (2184)		
21	Truck Weight	lb (kg)	1110 (504)	1138 (516)	1165 (528)	1303 (591)	1340 (608)	21	

¹ Add 6-8" for ease of operation

² Includes 1" clearance on each side of load

Platinum RPXN^{series}

Technical Information

Standard Equipment

- 24-volt electrical system
- Brushless AC drive motor and controller system
- Environmental protection package for wet, cooler and freezer applications
- Multifunction digital display includes battery discharge indicator with lift lockout, (3) hour meters, and fault-code displays for on-board diagnostics
- Cruise control with anti-tape down feature
- Electronic brake system
- Key switch
- Adjustable battery retainers
- SB-175 red battery connector
- Polyurethane load wheels with string-guard
- Rubber drive tire with string-guard
- Heavy-duty spring-loaded caster wheels with string-guard
- Electric horn

Optional Equipment

- Magnetic mount convenience tray with stretch wrap holder
- Coast control
- Manual Coast Control with Sidetracker
- Electronic Coast Control with Sidetracker
- Cushioned platform mat
- Tilt-down load backrest with EZ release (48" or 60" extension)
- Slip on/off load backrest (48" or 60" extension)
- Battery compartment rollers with side gates
- Toggle switch in lieu of key switch
- Auto-lift function
- Vulkolan load wheel
- Nonmarking rubber, traction treaded rubber or flat poly drive tire options
- Special paint

Ergonomics & Operator Comfort

A spacious operator platform and compact hood design offers the operator a variety of comfortable positions for reduced fatigue and sustained productivity. Optional cushioned platform mat provides added comfort.

A wide, 190° steering arc allows exceptional turning radius with minimal effort. Spring-loaded handle and roomy steering control head promote effortless movement into the operating range. Large thumb- or fingertip-actuated butterfly speed controls provide easy and precise operation. Ergonomic layout of lift, lower and horn buttons deliver comfortable operation. Large switch on the end of the control head changes the truck's travel direction if operator contact is made.

Removable, soft grip, high-speed grab bar provides the operator with a firm hold for maximum security and comfort. A center mounted control pod provides efficient operation of lift/lower, high speed and horn functions. Standard cruise control is activated by one touch of the high-speed button on the grab bar, allowing the operator to maintain high-speed travel, without the need to hold down the button, for reduced fatigue and improved operator efficiency.

Optional Coast Control feature allows truck to coast for more efficient order picking. Can be actuated by either a manual toggle lever at the base of the handle or by an electronic switch located near the butterfly speed control¹.

A switch conveniently located on either side of the control handle activates the optional Sidetracker feature. Used in conjunction with the Coast Control, this feature allows the operator to walk beside the truck while performing low-level order picking, for greater efficiency and productivity.

Efficient Performance

Heavy-duty 5.2Hp, three-phase AC drive motor provides high power and torque to handle tough applications, with peak performance throughout the battery range. Longer run times per battery charge are achieved by using less energy per cycle than the previous design. Its advanced motor controller/AC FET inverter electronically distributes power, as needed, to the AC drive motor or DC pump for enhanced efficiency. This system

offers regenerative braking and proportional plugging. Its AC design eliminates forward and reverse contactors, and uses electronic travel speed control for precise, efficient performance. All components are designed to withstand wet, cold and/or freezer applications to -20° F (-28.9° C). Elimination of contactors and enhanced thermal capabilities mean optimum performance and minimal downtime. On-board diagnostics simplifies maintenance.

Battery

Battery compartment size – 32"L x 13.5"W x 31"H

750 Ah maximum

SB-175 red connector standard. Optional connectors available.

Smart Electric Brake

Electrical disc system utilizes regenerative motor torque prior to brake actuation for less component wear and longer life. System eliminates needed adjustments and hydraulic components for reduced maintenance. Brake actuation occurs when the handle is in the upper and lower braking range.

Optional Auto-Lift

Release the lower button with the forks lowered and the forks automatically lift by more than 2", to prevent the operator from dragging forks across uneven floors.

Fork Assembly

Forks are 9¼" wide and constructed from ¼" plate steel, designed with a reinforced tip for extra durability. Various lengths available for both double and single pallet fork options. All come with standard 27" wide fork spread.

Proven push-type lift linkage design uses rugged 1½" x 1½" solid steel tie rods to absorb high impact shocks caused by dockboards and dock-plates. Alloy steel fork slides facilitate pallet entry and exit eliminating the need for entry rollers or discs. Tie rods are positively aligned and pinned to eliminate the need for field adjustments. Full-length, angle iron reinforcements enhance torsion strength for increased durability and longer life.

Wheels

6" wide (high) poly load wheels with string guards offer increased floor surface contact and help prevent debris from getting into axles and bearings. Load wheels swing through a small 7" arc to achieve a full 6" lift.

Heavy-Duty Stability Caster Design

Heavy-duty, shim-free, spring-loaded dual action polyurethane casters mounted under the rider platform provide maximum stability and smoother ride in uneven floor conditions. Spring pack included in design means greater shock absorption.

Hydraulics

Heavy-duty integrated lift pump and DC motor features an overload valve to protect hydraulic components, and includes a check valve and flow regulator. No lift limit switch needed since the controller cuts out pump.

Drive Unit Assembly

Quiet, spiral beveled gear drive system with sealed ball bearings, provides solid performance with low steer effort. Five-nut removal of the drive tire simplifies replacement when needed.

Ease of Maintenance

Brushless AC drive motor uses fewer components and requires less maintenance for lower operating costs.

Digital CAN communication reduces the number of wires in the control harness, for reduced maintenance.

One-piece cover with two-bolt removal makes access to the drive unit, and major components quick and easy. All lubrication fittings are easily accessible with the truck upright and the battery in place.

Environmental

Positive test performance results in applications using hydrogen fuel cell technology make the RPXN ready for future fueling options.

¹Consult factory



ISO 14001:2004
NISSAN GREEN PROGRAM