

**NISSAN**  
FORKLIFT

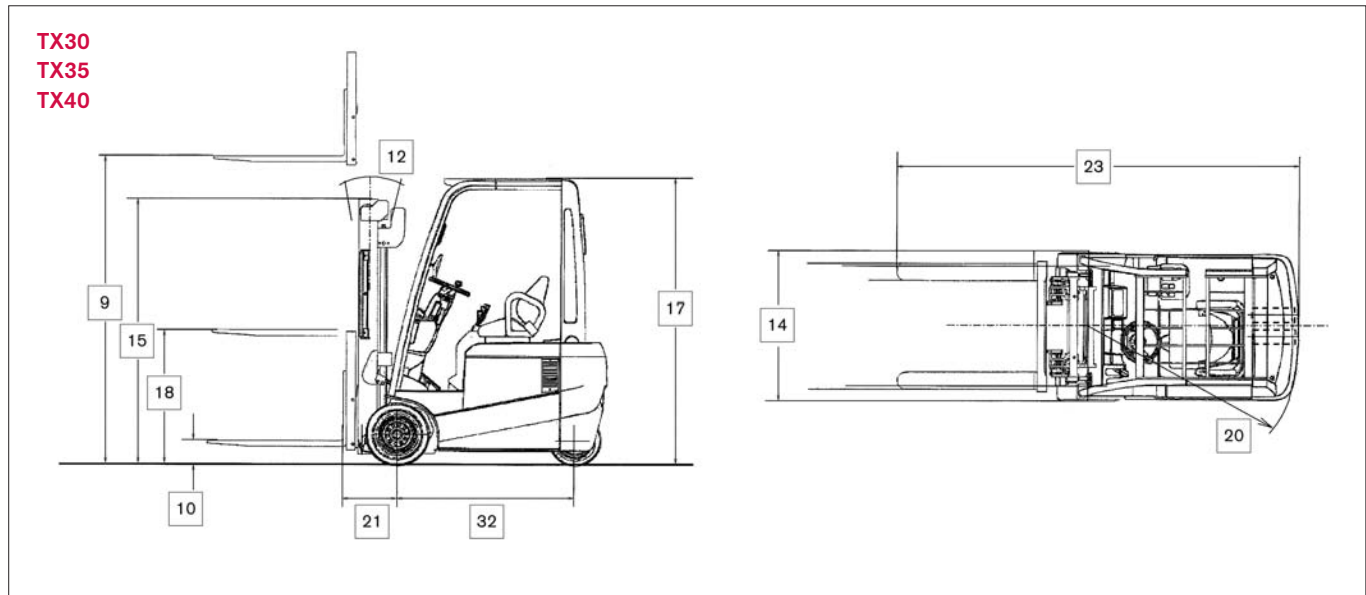
# TX Platinum Series

Cushion Tire / 36 & 48 Volt Models / **3-Wheel AC-Powered Models**

**3,000/3,500/4,000 lb.**  
Capacities



## Dimensions



## Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt angle Forward/Backward	Rated Capacity at 24" Load Center		
						TX30	TX35	TX40
TWO STAGE (Wide view)	2W270	106	71.1	2.4	4/6	3000	3500	4000
	2W300	118	77.0	2.4	4/6	3000	3500	4000
	2W330	130	82.9	2.4	4/6	3000	3500	4000
	2W350	138	88.2	2.4	4/6	3000	3500	4000
	2W370	146	93.1	2.4	4/6	3000	3500	4000
	2W400	157	100.6	2.4	4/6	3000	3500	3900
	2W450	177	110.4	2.4	4/6	2900	3300	3700
	2W500	197	120.3	2.4	4/6	2800	3100	3600
TWO STAGE (Full free)	2F270	106	71.1	48.2	4/6	3000	3500	4000
	2F300	118	77.0	54.1	4/6	3000	3500	4000
	2F330	130	82.9	60.0	4/6	3000	3500	4000
	2F350	138	88.2	65.4	4/6	3000	3500	4000
	2F370	146	93.1	70.3	4/6	3000	3500	4000
	2F400	157	100.6	77.8	4/6	3000	3400	3900
THREE STAGE (Full free)	3F385	152	71.1	47.2	5/5	3000	3400	3800
	3F430	169	77.0	54.1	5/5	2900	3300	3700
	3F475	187	82.9	60.0	5/5	2800	3200	3600
	3F515	203	88.2	65.4	5/5	2700	3100	3500
	3F550	217	93.1	70.3	5/5	2600	2900	3400
	3F600	236	100.6	77.8	5/5	2300	1900	3300
	3F650	256	110.4	87.6	5/5	1900	N/A	3200
	3F700	276	120.3	97.4	5/5	1400	N/A	3000
THREE STAGE Optiview	3V360	142	71.1	49.6	5/5	2800	3000	3700
	3V405	159	77.0	55.5	5/5	2700	3000	3600
	3V450	177	82.9	61.4	5/5	2700	3000	3400
	3V490	193	88.2	66.7	5/5	2600	2900	3300
	3V525	207	93.1	75.6	5/5	2500	2800	3200
	3V575	226	100.6	79.1	5/5	2300	2400	3100
	3V633	249	110.4	89.0	5/5	1900	N/A	3000
	3V688	271	120.3	98.8	5/5	1400	N/A	2900

Free Lift: without backrest

# 3,000/3,500/4,000 lb. capacities

## Main Truck Specifications

				Nissan	Nissan	Nissan				
CHARACTERISTICS	1	Manufacturer's Name		Nissan	Nissan	Nissan	1			
	2	Model	Model designation	TX30	TX35	TX40	2			
			Long model code	1N1L15V	1N1L18V	G1N1L20V				
	3	Rated Load Capacity		lb (kg)	3000 (1500)	3500 (1750)	4000 (2000)	3		
	4	Load Center	Distance	in (mm)	24 (500)	24 (500)	24 (500)	4		
	5	Power Type	Electric		36 / 48 Volt	36 / 48 Volt	36 / 48 Volt	5		
6	Operator Orientation			Sit	Sit	Sit	6			
DIMENSIONS	7	Tire Type	Front & rear		Cushion	Cushion	Cushion	7		
	8	Wheels	Number (x=driven) front/rear		2 x / 2	2 x / 2	2 x / 2	8		
	9	Mast	Maximum fork height	in (mm)	118 (3000)	118 (3000)	118 (3000)	9		
			Standard freelif	in (mm)	2.4 (60)	2.4 (60)	2.4 (60)			
	11	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11		
			Length (STD)	in (mm)	42 (1070)	42 (1070)	42 (1070)			
	12	Tilt Angle	Standard mast - fwd/back	degree	4 / 6	4 / 6	4 / 6	12		
	13	Overall Dimensions	Length (to face of forks)	in (mm)	74.4 (1890)	74.6 (1895)	78.9 (2005)	13		
			Width (standard tires)	in (mm)	43.5 (1105)	43.5 (1105)	43.5 (1105)			
			Mast lowered (OHL)	in (mm)	77.0 (1955)	77.0 (1955)	77.0 (1955)			
			Mast extended with LBR	in (mm)	167.7 (4260)	167.7 (4260)	167.7 (4260)			
			Height - top of OHG	in (mm)	83.4 (2120)	83.4 (2120)	83.4 (2120)			
			Height - top of standard LBR	in (mm)	47 (1194)	47 (1194)	47 (1194)			
Width - standard carriage			in (mm)	36.2 (920)	36.2 (920)	36.2 (920)				
20	Turning Radius	Minimum outside*	in (mm)	60.0 (1525)	60.0 (1525)	64.4 (1635)	20			
21	Overhang	Front	in (mm)	14.4 (365)	14.6 (370)	14.6 (370)	21			
		Rear	in (mm)	8.6 (219)	8.6 (219)	8.6 (219)				
22							22			
23	Min Right Angle Stack	Add load length & clearance	in (mm)	73 (1855)	74.4 (1890)	84.4 (2144)	23			
PERFORMANCE	24	Speeds Maximum	Travel - loaded/empty (36V)	mph (kmh)	9 (14.5) / 9 (14.5)	9 (14.5) / 9 (14.5)	9 (14.5) / 9 (14.5)	24		
			Travel - loaded/empty (48V)	mph (kmh)	9.3 / 10 (15/16)	9.3 / 10 (15/16)	9.3 / 10 (15/16)			
	25		Lift - loaded/empty (36V)	fpm (mm/sec)	67 / 100 (340 / 515)	61 / 100 (310 / 515)	59 / 100 (300 / 515)	25		
			Lift - loaded/empty (48V)	fpm (mm/sec)	79 / 118 (400 / 600)	73 / 118 (370 / 600)	69 / 114 (350 / 580)			
			Lowering - loaded/empty (36V/48V)	fpm (mm/sec)	98 / 107 (500 / 550)	98 / 107 (500 / 550)	98 / 107 (500 / 550)			
	26	Drawbar Pull Maximum	Full load - 3 min rating	lb (kg)	2280 (1030)	2280 (1030)	2280 (1030)	26		
27	Gradeability Maximum	Full load / empty - 5 min rating	tan (%)	20.8 / 32.3	18.7 / 30.0	16.1 / 26.0	27			
WEIGHT	28	Truck Weight	No load, no battery	lb (kg)	5220 (2370)	5640 (2560)	5236 (2380)	28		
	29		No load, min battery	lb (kg)	6765 (3070)	7185 (3260)	7551 (3433)	29		
	30	Weight Distribution	Front axle - no load, min battery	lb (kg)	3430 (1555)	3435 (1560)	3743 (1701)	30		
Rear axle - no load, min battery			lb (kg)	3335 (1515)	3750 (1700)	3803 (1732)				
CHASSIS & WHEELS	31	Tire Size	Front	in	18 x 7 x 12.1	18 x 7 x 12.1	18 x 7 x 12.1	31		
			Rear	in	15 x 5 x 11.25	15 x 5 x 11.25	15 x 5 x 11.25			
	32	Wheelbase		in (mm)	51.2 (1300)	51.2 (1300)	55.5 (1410)	32		
	33	Tread - Center of Tire	Front / rear	in (mm)	36.6 / 6.9 (930 / 176)	36.6 / 6.9 (930 / 176)	36.6 / 6.9 (930 / 176)	33		
			Counterweight Height	in (mm)	36.2 (920)	36.2 (920)	36.2 (920)			
			Step Height	in (mm)	21.9 (556)	21.9 (556)	21.9 (556)			
	34	Ground Clearance	Under mast	in (mm)	3.0 (75)	3.0 (75)	3.0 (75)	34		
Under frame (WB center)			in (mm)	3.9 (100)	3.9 (100)	3.9 (100)				
DRIVE LINE	35	Service Brake	Type		Hydraulic / Electric	Hydraulic / Electric	Hydraulic / Electric	35		
	36	Parking Brake	Type		Hand	Hand	Hand	36		
	37	Steering	On-demand		Hydraulic	Hydraulic	Hydraulic	37		
	38	Traction Motor x2	Rating (1 hour) - 36 Volt / 48 Volt	kW	4.0 / 5.0	4.0 / 5.0	4.0 / 5.0	38		
			Control type		MOS-FET Inverter	MOS-FET Inverter	MOS-FET Inverter			
	39	Pump Motor	Rating (20%) - 36 Volt / 48 Volt	kW	8.0 / 11.0	8.0 / 11.0	8.0 / 11.0	39		
	BATTERY	40	Recommended Size	L x W x H	in (mm)	38.78 x 20.55 x 25.63 (985 x 522 x 651)			38.78 x 24.88 x 25.63	40
			Battery Compartment Size	L x W x H	in (mm)	39.17 x 20.86 x 25.78 (995 x 530 x 655)			39.17 x 25.19 x 25.78	
				Lead acid - 36 Volt / 48 Volt	Type	18-100-17 / 24-100-13			18-100-15 / 24-100-15	
			Capacity at 6 hour rate	Minimum - 36 / 48 Volt	Ah	680 / 510		680 / 510	750 / 600	
				Maximum - 36 / 48 Volt	Ah	800 / 600		800 / 600	1000 / 700	
				Minimum / Maximum	lb (kg)	1545 / 2425 (700 / 1100)		1545 / 1875 (700 / 850)	2315 / 2535 (1050 / 1150)	
		41	Weight	Minimum / Maximum	lb (kg)	1545 / 2425 (700 / 1100)		1545 / 1875 (700 / 850)	2315 / 2535 (1050 / 1150)	41
42	Lead Length	Position B	in (mm)	14 (355)		14 (355)	14 (355)	42		
43	Connector	Type		SB-350 Gray		SB-350 Gray	SB-350 Gray	43		

\*Turning radius calculated using standard dual cushion tires.

# Technical Information

## TX Platinum Series

### Standard Equipment

1. 36/48-volt electrical system
2. Enclosed, AC-powered hydraulic pump motor and dual drive motors
3. On-demand, hydraulic load sensing power steering system
4. Nissan AC TECH controller works in conjunction with built-in test equipment and multi-function LCD display
5. On-board diagnostics and service history
6. Three standard performance modes: economy, normal, high
7. Nissan Risk Reduction System includes seat-actuated power interrupt system
8. Secure access to personalized performance settings
9. Deck-mounted hydraulic control levers
10. Three-mode regenerative braking system
11. Enclosed, six-disc wet type brakes
12. Controlled rollback feature reduces truck descent while on inclines
13. Infinitely adjustable, small diameter tilt steering wheel
14. Full suspension cloth seat with operator restraint system and weight adjustment
15. Audible back-up warning alarm
16. Two front overhead guard mounted headlights, turn signals and mirrors
17. Rear combination turn signal, brake, and stop lights
18. Rear work light
19. Four-piece reinforced overhead guard
20. Dual cushion rear steer tires
21. Deck mounted emergency stop button

### Optional Equipment

1. Adjustable armrest with fingertip hydraulic controls
2. Single lift/tilt control (available only with fingertip option)
3. Battery compartment rollers
4. Nissan exclusive three-stage Optiview mast
5. Integral side shifter
6. Solid pneumatic tires
7. Freezer package (-31°F / -35°C)
8. High position steering wheel (2.2" additional height)
9. Low overhead guard (78.3")
10. Strobe lights
11. Fire extinguisher
12. Standard or polished and tapered forks in a variety of lengths

### Enhanced Operator Comfort and Productivity

The TX Series offers a variety of operator conveniences for enhanced comfort and increased productivity, including a full suspension cloth seat with weight and back-angle adjustment, hip restraint and retractable seat belt. A compact front cowl design offers generous leg and foot room along with a wide entry step. Its infinitely adjustable steering wheel column offers a wide range of up and down movement. Additional ergonomics are achieved through an optional higher steering column design.

TX Series' AC TECH offers Flex-logic acceleration control which enables the truck to respond according to the speed with which the pedal is depressed, allowing more accurate, precise control by the driver. The hydraulic, AC-powered steering system reduces operator effort, for easier, more maneuverable conditions, while a hydraulic load sensing valve diverts fluid for priority to the steering system.

Dual lift and tilt lever, deck-mounted hydraulic controls are standard. An adjustable armrest with fingertip control hydraulics can be ordered as an option, and is available with Nissan's exclusive single lift/tilt design, resulting in enhanced ergonomics, and further improving productivity.

The LCD dash display visibly communicates truck status and warnings for operator awareness including: travel speed (above 2 mph) and rear wheel angle indicator (less than 2 mph), battery capacity, hour meter (four-mode), time and day of week, brake warning, seat belt warning and selected power mode.

The TX Series' standard Risk Reduction System (RRS) includes: Mast Lock (automatically locking mast lift and tilt when the operator leaves the seat), Turn Control (automatic restriction of travel speed and acceleration during turning), Lift Control (restricting lift speed at faster travel speeds) and Controlled Rollback (reducing quick truck movement down a gradient, when the accelerator pedal is released).

Nissan Forklift Corporation  
240 N. Prospect Street  
Marengo, IL 60152 USA  
Phone (815) 568-0061  
Fax (815) 568-0179  
[www.nissanforklift.com](http://www.nissanforklift.com)

Nissan Forklift Corporation reserves the right to make product changes relating to colors, equipment or specifications without notice. For more information, contact your Nissan Forklift representative.

### Features for Increased Efficiency

The TX Series' AC TECH controller provides lower battery consumption and optimum operating efficiencies through regenerative braking, automatic deceleration and on-demand power steering. Regenerative braking is achieved through switch-back/plugging; foot applied braking and neutral braking. An adjustable auto-power off feature will switch off the electrical system if the truck isn't being operated, further extending battery life.

A four-digit PIN code offers access to adjustable performance settings, allowing up to five unique operational profiles according to driver experience and load handling conditions. Or select from three preset\* performance modes (economy, normal, high) based on the application. (\*Economy mode is the standard Factory setting.)

### Battery and Electrical

Available with a 36 or 48 volt electrical system. The AC TECH motor controller features a MOS-FET power inverter for DC to three phase AC power conversion. Single contactor design reduces maintenance.

### Brake System

Six-disc wet type brakes prolong brake life and offer constant braking efficiency. Brakes are fully enclosed within the drive unit, to prevent dust and dirt contamination. Six-disc type brake achieves higher braking performance over the life of the brakes. Three-mode regenerative braking system increases the number of working hours per battery charge. A hand-actuated parking brake, with lock release button is located on the cowl within easy reach.

### Truck and Mast Design

Modern and compact wedge-shaped design makes the truck highly maneuverable in confined areas. Standard dual rear wheels provide additional stability, especially during high loading conditions, while the lift control feature restricts lift speeds during faster travel.

Nissan's flat face mast design features rolled steel channels, large cross sections, and thick inner rails for increased capacity retention. Side thrust rollers on the fork carriage are easily accessed for carriage adjustment. Optional Nissan exclusive Optiview, three-stage mast design offers 50% greater visibility for improved load handling.

### Drive Unit

Dual front wheel drive provides excellent traction and braking power. Rugged dual AC drive motors offer more power and quicker response. The TX Series' individually controlled AC powered drive motors mean power is permitted to each motor depending upon turn angle input. For tighter turns, the inner wheel counter-rotates allowing the truck to turn on the spot.

### Hydraulics

Powerful AC hydraulic pump motor for lift and tilt operation is also used for the on demand power steering system.

### Reduced Maintenance

The TX Platinum Series features a 100% AC-powered system, including brushless, dual drive motors and a hydraulic pump motor (which also powers the steering system). On-demand steering achieved through priority hydraulic load sensing valve, eliminating use of separate steering motor. Design greatly reduces the number of serviceable parts including commutators, contactors, brushes and steer chains; eliminating expenses related to inspection and replacement of these items, for lower overall operating costs. Four-piece reinforced overhead guard design allows easy replacement should individual parts become damaged.

Enclosed six-disc wet brake system prevents friction and glazing, as well as eliminating dirt entry, to prevent premature wear and superfluous maintenance expenses. Frame-mounted mast design allows easier access to final drive, eliminating need to disassemble transmission and drive motors to gain access to the brakes.

The AC TECH controller includes a built-in-test-equipment module with self-diagnostics and allows coded service history, logged by hour meter reading. Troubleshooting through the instrument panel allows rapid access to service requirements. Rugged, gas spring de-tent keeps the hood up and out of the way during routine battery maintenance inspections. Removable two-piece floorboard provides access to drive and hydraulic pump motors. Hydraulic oil tank location makes daily level checks and periodic refills fast and simple.

