www.nobleliftna.com

# NOBLELIFT
NORTH AMERICA


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## RT33-44SP / RT33DP
### 3,300 - 4,400 lbs. Capacity
Stand-Up Pantograph Reach Truck

- LB — Capacity 3300-4400lb
- Lithium Battery
- Compact Size
- High Performance
- High Efficiency
- Highly Cost Effective
- Easy Maintenance
- Low noise

Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**




## HIGHLIGHTS

- American Curtis Intelligent Computer Control system
- Dual independent AC drive motors with separate drive controllers
- 36V fully electric AC system
- Lithium battery: 36V/560Ah
- Charger: 36V/200A
- Fast charging 2.5 hours
- Large capacity battery provides multiple shift operation.
- On-board Curtis self-diagnostics
- Large LED display: lifting weight, lifting height, speed, power, steering, fault code, alarm and more.
- Wireless mast mounted fork view camera with HDMI color monitor
- Integrated multi-task control
- Proportional lift for accurate control of the lift height
- Fork tilt leveling
- Side shifter
- Travel speed: 5.9mph (unloaded), 5.6mph (loaded)
- Speed reduction in turns

# RT33-44SP / RT33DP

**3,300 - 4,400 lbs. Capacity**

Stand-Up Pantograph Reach Truck

The RT33-44SP / RT33DP Lithium Single & Double Scissor Stand-Up Pantograph Reach Trucks operate within a narrow aisle, have lift heights ranging from 177” to 452”, and a fork reaching distance ranging from 22.4” to 41.7”. They offer high-speed lifting and lowering and are equipped with a lithium battery capable of multiple shift operation. High-maneuverability and high-reach capabilities make these reach trucks the ideal choice for your most demanding applications where efficient, narrow aisle, high-lift height material handling is required.

# COMPACT AND HIGHLY PRODUCTIVE REACH TRUCK



# SUPERIOR DESIGN AND PERFORMANCE

Automatic decelerating while turning, improves safety, stability and operator comfort, while preventing product damage.

**360°**
Zero Turning Radius



Dual independent AC drive motors with separate drive controllers provide superior maneuverability while turning.

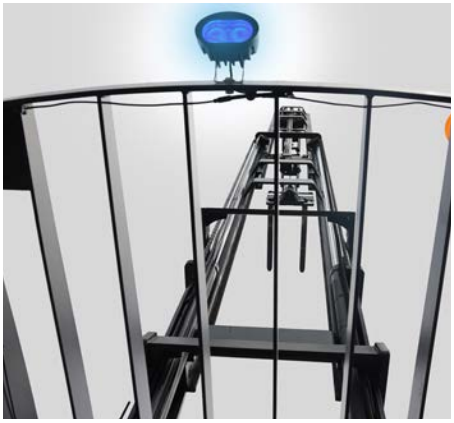
AC drive and gearbox technology ensure accurate control and travel speed.



# SUPERIOR DESIGN AND PERFORMANCE

- The scissor structure is designed for smooth reaching while minimizing vibration and rocking.
- The conversion between movements is seamlessly achieved through the equilibrium of shear force, delivering substantial torque. When raised to a height of 452”, it can effortlessly lift loads of up to 1,200 lbs.
- Scissors fold away, minimizing the truck’s footprint and maximizing space utilization.
- The end-of-scissor retraction is cushioned for reduced impact and improved stability.



Cab design, open view mast and overhead guard gives operator a clean line of site to the load and their surroundings for increased efficiency and improved safety.



**RT33/44SP** (Single Reach)
Fork reaching distance- 22.4”

**RT33DP** (Double Reach)
Fork reaching distance 41.7”



Wireless mast mounted fork view camera with HDMI color monitor provides an unrestricted view of the pallet and racking for increased productivity and increased safety.



# INTELLIGENT. PRODUCTIVE. CONVENIENT.



One-button tilt control system ensures safety by limiting the tilt of cargo when forks are lifted high.



Multi-functional handle controls key vehicle functions – forward/ backward travel speed, side shifting and proportional lifting and lowering.



Ergonomic compact steering wheel with knob provides comfortable and effortless operation.



The floor suspension system adapts to the weight of the operator and provides impact and vibration protection.



Adjustable backrest and hip pad contour the body to ensure operator comfort throughout the entire work shift.



Armrest can be adjusted to maximize the comfort of operators of different heights.



# INTELLIGENT. PRODUCTIVE. CONVENIENT.






Large LED screen conveniently displays lifting weight, lifting height, speed, power, steering, fault code, alarm and more.



Large capacity battery for multiple shift operation. Side extraction reduces maintenance time.



A low step height and a wide entry is ideal for operators who are frequently getting on and off the forklift.




USB connector for charging and powering of additional devices during operations.

CAN-bus

CURTIS

Easily check condition and troubleshoot with Curtis controller and CAN-bus technology.

# RELIABILITY AND SAFETY



Emergency power button cuts off the power in emergency situations to protect the operator and the cargo.



Equipped with LED headlights, safety blue light and a buzzer for safe driving.



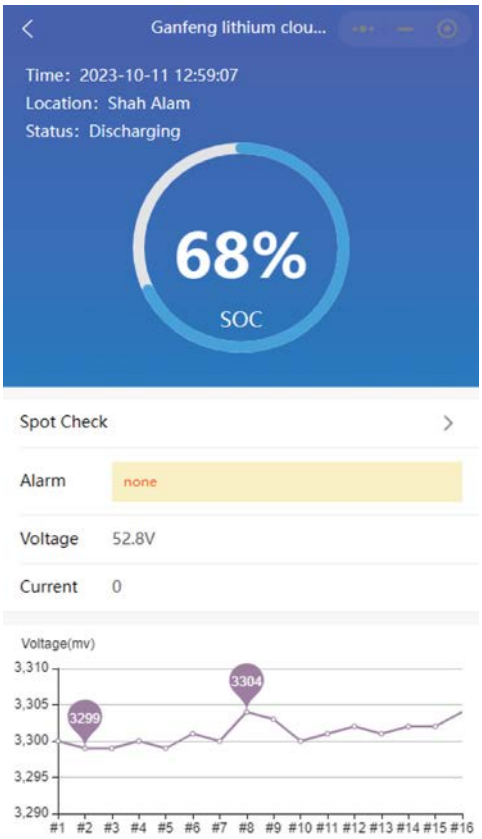
Dual-brake/presence pedal design protects the operator and the forklift. If both pedals are not depressed, the forklift will be not travel in any direction.

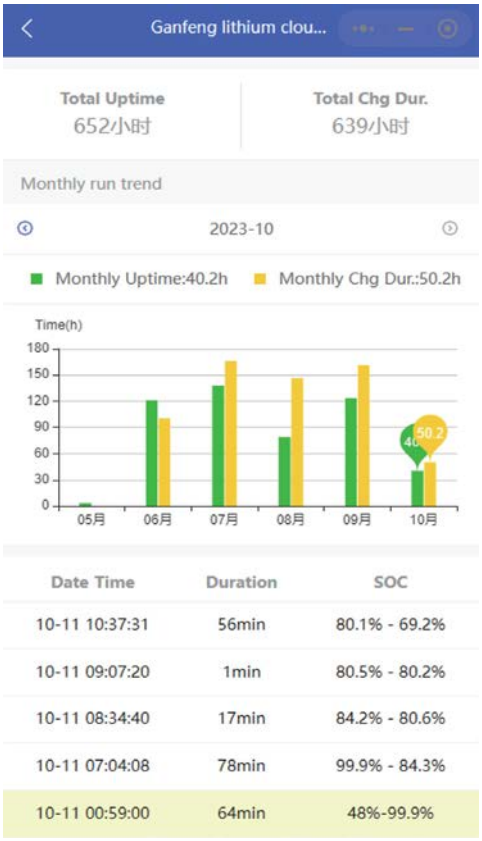
# LITHIUM SMART CLOUD PLATFORM

Wireless 4G advanced battery monitoring system for remote battery monitoring and system data.

Smart Cloud platform constantly monitors the battery's operational status throughout its usage to ensure the safety of personnel and equipment.





# LONG LASTING AND SAFE LITHIUM-IRON POWER

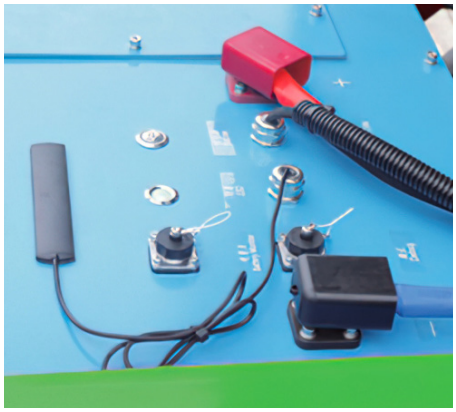
NOBLELIFT uses Lithium-Iron Phosphate batteries, the longest lasting and safest lithium battery available. Our lithium-iron batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.

**5 YEAR WARRANTY**

RT33-44SP / RT33DP Stand-Up Reach Trucks have a 5 year or 10,000 hours warranty on the lithium-Iron battery cells.

# ADVANTAGES OF LITHIUM-IRON POWER

Fast-charging maintenance-free Lithium battery is fully charged in 2.5 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.



36V/560Ah Lithium-iron battery has connection terminals with screws and is protected inside the steel case.

36V/200A Charger included standard.

## LITHIUM BATTERY ADVANTAGES

| Lead-Acid Battery | | Lithium Battery |
|---|---|---|
| Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use | Productivity - Memory Effect | 100% Fleet availability - Opportunity charging allows battery to be charged in between use |
| Periodic battery replacement | Service Life | Batteries last 3 times longer and do not need to be replaced |
| Outsourced or in-house maintenance personnel required | Ongoing Maintenance | No maintenance cost |
| 8-10 Hours - 2 or more batteries per lift truck | Charge Duration | 2.5 Hours - 1 Battery per lift truck |
| Build an expensive battery room with ventilation | Battery Room | No battery room needed |
| Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance | Dangerous Substances | No dangerous substances |
| Power loss | Power Savings | No power loss - Reduces energy consumption by 35% |

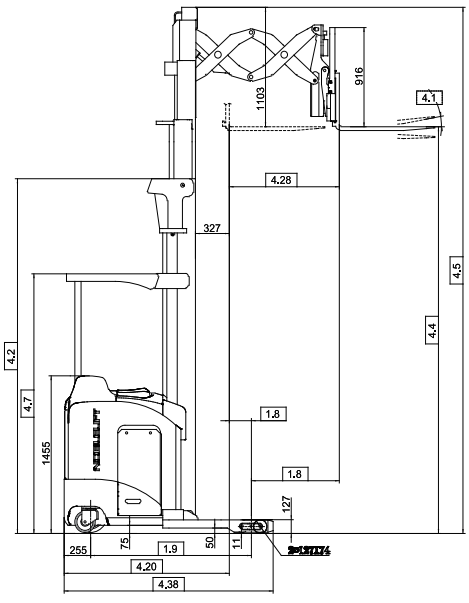
| | | | | | |
|---|---|---|---|---|---|
| **Identification** | | | | | |
| 1.2 | Model | | RT33SP | RT44SP | RT33DP |
| 1.3 | Drive (electric, diesel, petrol, fuel gas, manual) | | Lithium | | |
| 1.4 | Type of operation (hand, pedestrian, standing, seated, order picker) | | Stand-up reach truck | | |
| 1.5 | Load capacity | Q (lb) | 3,300 | 4,400 | 3,300 |
| 1.6 | Load center | c (in) | 24 | | |
| 1.8 | Load distance | x (in) | 12/10.4 | 12/10.4 | 8.4/33.3 |
| 1.9 | Wheel base | y (in) | see table on facing page | | |
| **Weights** | | | | | |
| 2.1 | Service weight (with battery) | lb | see table on facing page | | |
| **Wheels, Chassis** | | | | | |
| 3.2 | Tire size, power unit side (drive) | in | ∅ 13.5 x 5.5 | | |
| 3.3 | Tire size, load side | in | ∅ 5 x 2.9 | | |
| 3.4 | Castor wheel size | in | ∅ 8 x 4 | | |
| 3.5 | Wheels, number front / rear (x = driven wheels) | | 1 x 4 / 1 | | |
| 3.6 | Tread, power unit side | $b_{10}$ (in) | 31.5 | | |
| **Basic Dimensions** | | | | | |
| 4.1 | Tilt, forward / backward | deg | 3 / 4 | | |
| 4.2 | Lowered mast height | $h_1$ (in) | see table on facing page | | |
| 4.3 | Free lift | $h_2$ (in) | see table on facing page | | |
| 4.4 | Lift height | $h_3$ (in) | see table on facing page | | |
| 4.5 | Extended mast height | $h_4$ (in) | see table on facing page | | |
| 4.7 | Overhead guard height, standard | $h_6$ (in) | see table on facing page | | |
| 4.10 | Outrigger height, standard wheel / ∅4 / ∅5 / ∅6 | $h_8$ (in) | 4.9 | | |
| 4.20 | Headlength | $l_2$ (in) | see table on facing page | | |
| 4.21 | Overall width, power unit side | $b_1$ (in) | 42.5 | | |
| 4.22 | Fork dimensions, standard | s/e/l (in) | 1.75 / 5 / 42 | 1.5 / 4 / 42 | 1.5 / 4 / 42 |
| 4.23 | Fork carriage, DIN 15173 class / form A, B | | 2A | | |
| 4.24 | Fork carriage width, including load backrest | $b_3$ (in) | 32.3 | | |
| 4.25 | Width across forks, with sideshift / without sideshift | $b_5$ (in) | 7.9 - 29.9 | | |
| 4.26 | Inside straddle, in 1 inch increments | $b_4$ (in) | 41.3 / 50 | | |
| 4.28 | Reach, with sideshift / without sideshift | $l_4$ (in) | 22.4 | 22.4 | 41.7 |
| 4.32 | Ground clearance, center wheelbase | $m_2$ (in) | 2 | | |
| 4.33 | Right Angle Stack with 40x48 pallet | Ast (in) | see table on facing page | | |
| 4.34 | Right Angle Stack with 32x48 pallet | Ast (in) | see table on facing page | | |
| 4.35 | Turning radius | Wa (in) | see table on facing page | | |
| 4.39 | Width outrigger | $b_2$ (in) | see table on facing page | | |
| **Performance Data** | | | | | |
| 5.1 | Travel speed, laden / unladen | mph | 5.6 / 5.9 | | |
| 5.2 | Lift speed, laden / unladen | ft/s | 1.15 / 1.64 | | |
| 5.3 | Lowering speed, laden / unladen | ft/s | 1.64 / 1.64 | | |
| 5.4 | Reach speed, laden / unladen | ft/s | 0.40 / 0.49 | | |
| 5.8 | Max. Gradeability, with load | % | 5 | | |
| 5.10 | Brakes, service | | Electric | | |
| | Brakes, parking | | Electric | | |
| **E-Motor** | | | | | |
| 6.1 | Drive motor rating, 60 min. rating | HP | 5.5 | | |
| 6.2 | Lift motor rating, 15% on time | HP | 11 | | |
| 6.3 | Max. battery size, DIN 43531/35/36 A, B, C, no | LxWxH (in) | see table on facing page | | |
| 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 36V/560Ah | | |
| 6.5 | Battery weight | lb | see table on facing page | | |
| **Others** | | | | | |
| 8.1 | Type of drive control | | AC | | |

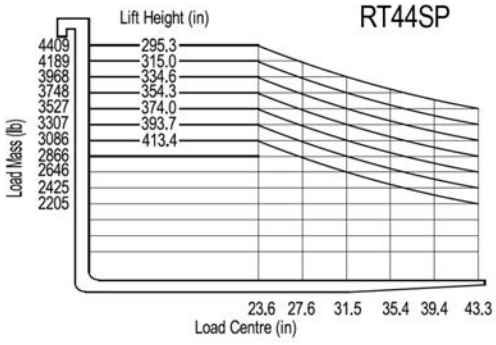
NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.

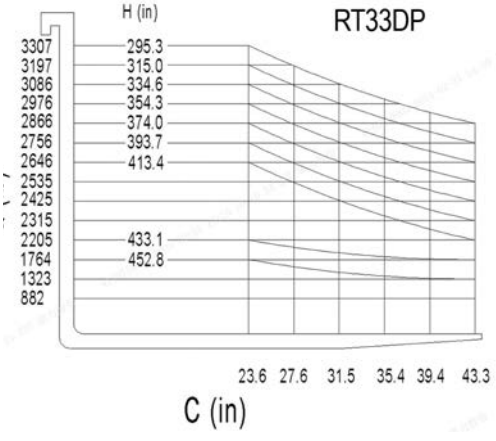
| RT33SP Single Reach | | | | SP177 | SP193 | SP256 | SP295 | SP334 | SP374 | SP413 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.9 | Wheel base | y | in | 61 | 61 | 61 | 61 | 61 | 61 | 63 |
| 2.1 | Service weight (with battery) | | lb | 7,926 | 8,014 | 8,367 | 8,587 | 8,808 | 9,259 | 9,824 |
| 4.2 | Mast | h1 | in | 89 | 95.1 | 115.7 | 128.9 | 142 | 155.1 | 168.3 |
| 4.3 | Free lift | h2 | in | 52.8 | 58.9 | 79.5 | 92.7 | 105.7 | 118.9 | 132 |
| 4.4 | Lift height | h3 | in | 177.2 | 193.7 | 255.9 | 295.3 | 334.6 | 374 | 413.4 |
| 4.5 | Extended mast height | h4 | in | 220 | 236.5 | 298.7 | 338.1 | 377.4 | 416.8 | 456.2 |
| 4.7 | Overhead guard height, standard | h6 | in | 89 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 4.20 | Headlength | l2 | in | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 61 |
| 4.33 | Right Angle Stack with 40x48 pallet | Ast | in | 108 | 108 | 108 | 108 | 108 | 108 | 110 |
| 4.34 | Right Angle Stack with 32x48 pallet | Ast | in | 110.4 | 110.4 | 110.4 | 110.4 | 110.4 | 110.4 | 112.4 |
| 4.35 | Turning Radius | Wa | in | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 73.8 |
| 4.39 | Width outrigger | | in | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 6.3 | Max. battery size | LxWxH | in | 37.4*14.2*24.2 | | | | | | 37.4*18*24.2 |
| 6.5 | Battery weight | | lb | 418 | | | | | | |

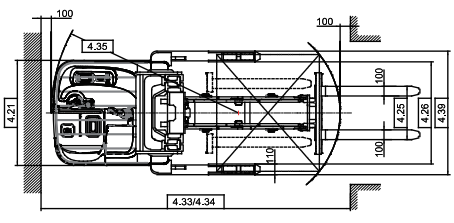
| RT44SP Single Reach | | | | SP177 | SP193 | SP256 | SP295 | SP334 | SP374 | SP413 | SP433 | SP453 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.9 | Wheel base | y | in | 61 | 61 | 61 | 61 | 61 | 63 | 65 | 65 | 65 |
| 2.1 | Service weight (with battery) | | lb | 8,684 | 8,808 | 9,227 | 9,491 | 9,965 | 10,606 | 11,162 | 11,603 | 11,735 |
| 4.2 | Mast | h1 | in | 89 | 95.1 | 115.7 | 128.9 | 142 | 155.1 | 168.3 | 185.8 | 192.4 |
| 4.3 | Free lift | h2 | in | 52.8 | 58.9 | 79.5 | 92.7 | 105.7 | 118.9 | 132 | 149.6 | 156.2 |
| 4.4 | Lift height | h3 | in | 177.2 | 193.7 | 255.9 | 295.3 | 334.6 | 374 | 413.4 | 433.1 | 452.8 |
| 4.5 | Extended mast height | h4 | in | 220 | 236.5 | 298.7 | 338.1 | 377.4 | 416.8 | 456.2 | 475.9 | 495.6 |
| 4.7 | Overhead guard height, standard | h6 | in | 89 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 4.20 | Headlength | l2 | in | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 61 | 63 | 66.5 | 66.5 |
| 4.33 | Right Angle Stack with 40x48 pallet | Ast | in | 108 | 108 | 108 | 108 | 108 | 110 | 112 | 114.7 | 114.7 |
| 4.34 | Right Angle Stack with 32x48 pallet | Ast | in | 110.4 | 110.4 | 110.4 | 110.4 | 110.4 | 112.4 | 114.3 | 117.7 | 117.7 |
| 4.35 | Turning Radius | Wa | in | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 73.8 | 75.8 | 75.8 | 75.8 |
| 4.39 | Width outrigger | | in | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 57 | 57 |
| 6.3 | Max. battery size | LxWxH | in | 37.4*14.2*24.2 | | | | | 37.4*18*24.2 | 37.4*20*24.2 | | |
| 6.5 | Battery weight | | lb | 418 | | | | | | | | |

| RT33DP Double Reach | | | | DP177 | DP193 | DP256 | DP295 | DP334 | DP374 | DP413 | DP433 | DP453 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.9 | Wheel base | y | in | 61 | 61 | 61 | 61 | 63 | 65 | 65 | 65 | 65 |
| 2.1 | Service weight (with battery) | | lb | 8,905 | 9,028 | 9,447 | 9,921 | 10,562 | 11,118 | 11,382 | 11,823 | 11,956 |
| 4.2 | Mast | h1 | in | 89 | 95.1 | 115.7 | 128.9 | 142 | 155.1 | 168.3 | 185.8 | 192.4 |
| 4.3 | Free lift | h2 | in | 52.8 | 58.9 | 79.5 | 92.7 | 105.7 | 118.9 | 132 | 149.6 | 156.2 |
| 4.4 | Lift height | h3 | in | 177.2 | 193.7 | 255.9 | 295.3 | 334.6 | 374 | 413.4 | 433.1 | 452.8 |
| 4.5 | Extended mast height | h4 | in | 220 | 236.5 | 298.7 | 338.1 | 377.4 | 416.8 | 456.2 | 475.9 | 495.6 |
| 4.7 | Overhead guard height, standard | h6 | in | 89 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 4.20 | Headlength | l2 | in | 62.6 | 62.6 | 62.6 | 62.6 | 64.6 | 66.5 | 66.5 | 66.5 | 66.5 |
| 4.33 | Right Angle Stack with 40x48 pallet | Ast | in | 110.8 | 110.8 | 110.8 | 110.8 | 112.8 | 114.7 | 114.7 | 114.7 | 114.7 |
| 4.34 | Right Angle Stack with 32x48 pallet | Ast | in | 113.8 | 113.8 | 113.8 | 113.8 | 115.7 | 117.7 | 117.7 | 117.7 | 117.7 |
| 4.35 | Turning Radius | Wa | in | 71.9 | 71.9 | 71.9 | 71.9 | 73.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 4.39 | Width outrigger | | in | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 57 | 57 |
| 6.3 | Max. battery size | LxWxH | in | 37.4*14.2*24.2 | | | | | 37.4*18*24.2 | | 37.4*20*24.2 | |
| 6.5 | Battery weight | | lb | 418 | | | | | | | | |



# A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

**Products include:** sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers, lift tables, manual pallet jacks and more.



**FORKLIFTS**



**NARROW AISLE**



**STACKERS**



**POWERED PALLET TRUCKS**



**SCISSOR LIFTS**



**TUGGERS**



**SCRUBBERS**


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Video

AUTHORIZED DEALER

RT33-44SP/RT33DP-Brochure-12-18-2024