



**ELECTRIC LIFT TRUCK  
COUNTER BALANCED  
THREE-WHEELER**

FBT9-20





# An Appealing Design with Well-Rounded Features

## Nichiyu Three-wheeler

Featuring exceptional comfort and advanced functions, this new design encompasses all the elements necessary to maximize overall safety, durability, and the versatility to handle any work environment.

# SICOS AC

Choose from 10 varied models to accommodate a wide range of applications.



The standard series ensures easy turning and maneuvering in narrow aisles of warehouses.

0.9t FBT9P	1.0t FBT10P	1.3t FBT13P	1.5t FBT15P	1.6t FBT16P	1.8t FBT18P	2.0t FBT20PN
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The PB Series accommodates a super-high-capacity 730 Ah battery for longer running times.

1.6t FBT16PB	1.8t FBT18PB	2.0t FBT20PBN
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## Featuring the SICOS-AC Multifunctional Centralized Control System

An AC motor powers the traveling and hydraulic operations. This control system ensures comprehensive and centralized AC control for smooth and powerful operation.

## Excellent Space-Saving Design with 1510-mm Turning Radius

With a minimum turning radius of only 1510 mm (Model FBT15P), the Nichiyu Three-wheeler is ideal for material handling in limited space. The double rear wheels add extra stability in turns.

## Lighter Weight Body

The reduced body weight contributes to improved handling while maintaining good stability. In addition, it is more eco-friendly thanks to its reduced energy consumption.



# Comfort

**Comfortable operation contributes to increased efficiency.**



## Standard advanced features



### Electric Power Steering

The power steering motor is centrally controlled by the SICOS-AC system. This simple and economical approach reduces power consumption by two-thirds compared with conventional hydraulic power steering.



### Fork Soft Landing Feature

A soft-landing mechanism has been adopted to slow the speed of the forks as they descend to the floor. This feature significantly reduces both shock and impact noise (when unladen).



### Multifunction Display

The display reveals the battery state, vehicle speed, and other aspects of vehicle status at a glance. An innovative load indicator is also provided as standard equipment.



### Seat Suspension

The comfortable and secure seat suspension contributes to stable operation. In addition, it is equipped with an emergency locking retractor mechanism for the seat belt to enhance operator safety.



### Spacious Legroom

Legroom has been increased by 55 mm compared with previous models (some models excluded). A floor mat is also provided as standard for increased operator comfort.



### Combination Tail Lamps

The large, highly visible tail lamps clearly indicate braking and turning as well as reverse operation.

### Pitching Reduction System

We've incorporated a Pitching Reduction System to relieve the operator of uncomfortable lurching motion during travel.

#### Previous model

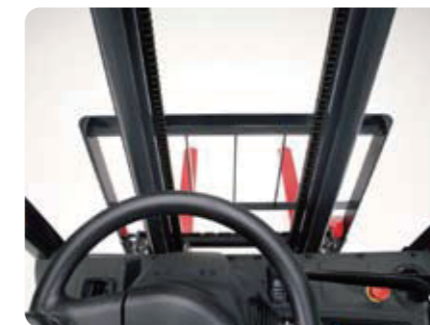


#### New model



### Improved Forward Visibility

The display panel has been moved to the right to increase operator visibility of the fork tips. This innovation helps to make driving even more stress-free.



### Easier Boarding

We've included a new wide and low step as well as a larger handgrip for use when boarding.



### Increased Mast Backward Tilt Angle (P Mast only)

We've increased the maximum tilt angle to 7.5 degrees, an increase of a full 1.5 degrees over the previous model. This feature contributes to improved cargo security during travel.



### Increased Head Clearance

The new head guard is designed for increased head clearance.



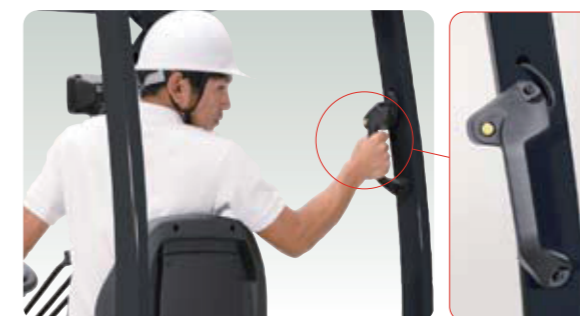
### Integral Sideshifter (optional)

An integral sideshifter is available as an option. This innovation contributes to higher operation efficiency without reducing load capacity.



### Grip Assist with Integrated Horn

A new right rear handgrip is provided to ensure greater operator stability during rearward travel. The integrated yellow horn button allows for easier alerting of nearby personnel during rearward operations.





# Still think you need an engine? Think again!

A dependable truck that can be operated indoors or outdoors,  
in almost any weather

## IPX4 Enclosure Rating Level

The IPX4 enclosure rating indicates a splash-proof design that allows for safe work out of doors, even in the rain. This model is resistant to the detrimental effects of water spray from any direction.



When the battery cover is opened, any falling water is safely caught in a drainage tray.



The controller is securely housed in the left side of the frame.



Lever boots



Waterproof floor mat

## The PB Series: Designed for long hours operation.

The super-high-capacity 730 Ah battery and long wheelbase contribute to lengthy operating time and highly stable traveling.



## Wet Disc Brakes

Unaffected by dust and moisture, the wet disc brakes provide powerful braking force.



## Optional Specifications



- Battery side loading specification
- Cold storage specification
- Rust resistant specification

# Safety

Advanced technologies ensure greater operational safety and security.

## Parking Brake Alert

An audible and visual alarm alerts an operator who leaves the vehicle without setting the parking brake. This alarm can be triggered even when the key is turned off.



## Operation Interlock System

The operation interlock system (OIS) ensures that all traveling, hydraulic, and tilt operations are automatically locked out about two seconds after the operator leaves the driver's seat.



## Emergency Stop Button

This emergency shutoff switch is provided as a red emergency button located on the instrument panel.



## Safety Cruise

Even if the accelerator or brake is released on an upslope, the truck will not roll backward. When descending, it maintains the initial safe speed.



## Optional Accessories

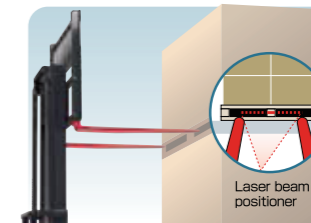
Contributing to a more efficient work environment



• Headguard roof



• Front window

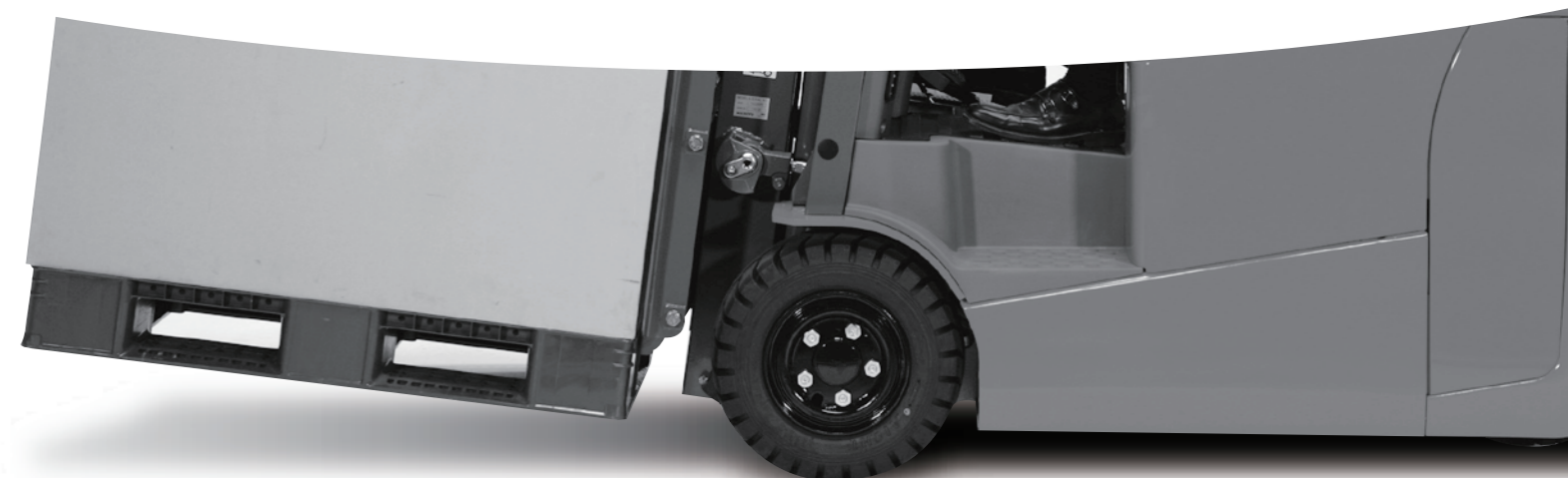


• Laser pointer



• LED headlamp

- Rearview mirror
- Room mirror
- Chime
- Worklight
- Backup lamp
- Revolving light



## About us

Nichiyu is a pioneering developer of electric forklifts in Japan. Since introducing the country's first electric forklift in 1937, Nichiyu has continued to introduce a variety of innovative electric forklift solutions. We take pride in our ability to provide customer-focused products and exceptional service.

## Committed to comprehensive service

We maintain highly trained service staff in every country in which we sell our products. Should you require regular periodic maintenance or emergency repair, simply contact us for fast and efficient on-site service. We take pride in our commitment to first-rate support and unmatched customer service.

All specifications have been determined according to manufacturer's terms and conditions. Specifications are subject to change without notice in the interests of product improvement.

**NICHIYU**  
ELECTRIC FORKLIFT

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CAT No.OSD104/T80-4 Printed in Thailand 2000/1412(T)