NICHIYU
ELECTRIC FORKLIFT

ELECTRIC FORKLIFT
STAND-ON REACH TRUCKS

PLATTER

FBR9-40

STAND-ON REACH TRUCK

PLATTER

FBR-80 Series

sicos
Super Intelligent Control System

You'll know the difference
the moment you set foot on it.

Performance

From the moment you set it in motion, you'll experience the superior vehicle stability reflecting the further evolution of our advanced control linkage. The rear tires provide grip that is exceptional on uneven road surfaces while providing a consistently comfortable ride. This innovative model incorporates the latest technology for smooth and stable operation — whether accelerating, turning or stopping.

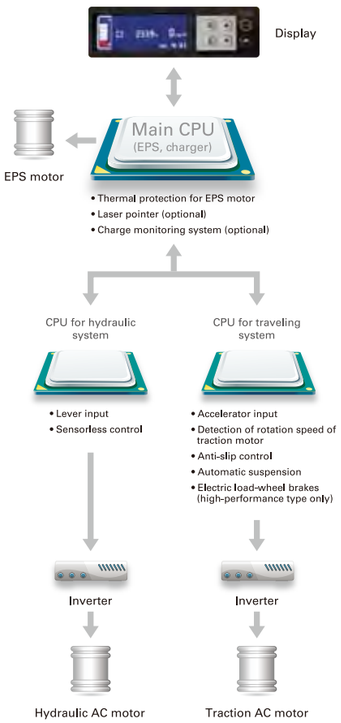
Outstanding stability and traveling performance contribute to reliable operation.

SiCOS
Super Intelligent Control System

Super Intelligent Control System (SiCOS)

Two CPUs process the traveling system and hydraulic system independently. Another main CPU manages all other information. The main CPU is connected to the display and handles all operation settings, function settings and indicator settings. The result is comfortable, stress-free operation in a variety of environments.

SiCOS image



New control linkage

Our new automatic suspension enhances safety in tight turns and during rapid acceleration and braking, locking the caster wheel according to the vehicle status.

NEW

Improved vehicle stability in turns and hydraulic operations

Sensors detect the status of the travel and hydraulic operation. Depending on the situation, the automatic suspension can lock the control linkage, thus stabilizing the vehicle in turns and hydraulic operations.

- In turns: Reduces compression of the rear wheel suspension and lifting of the load wheel, thus reducing tilting of the vehicle.
- In hydraulic operations: Reduces vehicle tilting to the left and right and forward tilting as a result of lift or reach operations.

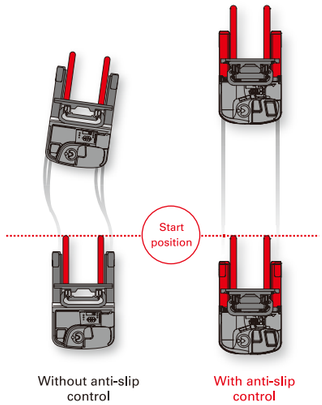
Automatic suspension incorporating new control linkage

NEW

Anti-slip control provides smooth operation

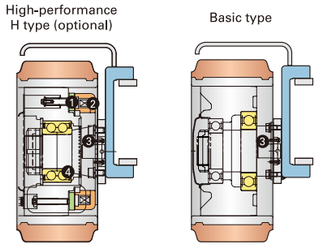
This feature automatically limits power when tire slippage is detected during travel. It ensures the optimal driving force is consistently applied to maintain smooth operation.

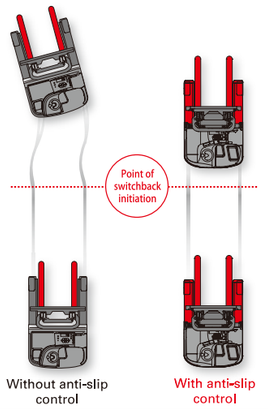
- Comparison of starts on a wet road surface



The high-performance H type exhibits superior braking force even on slippery surfaces (optional)

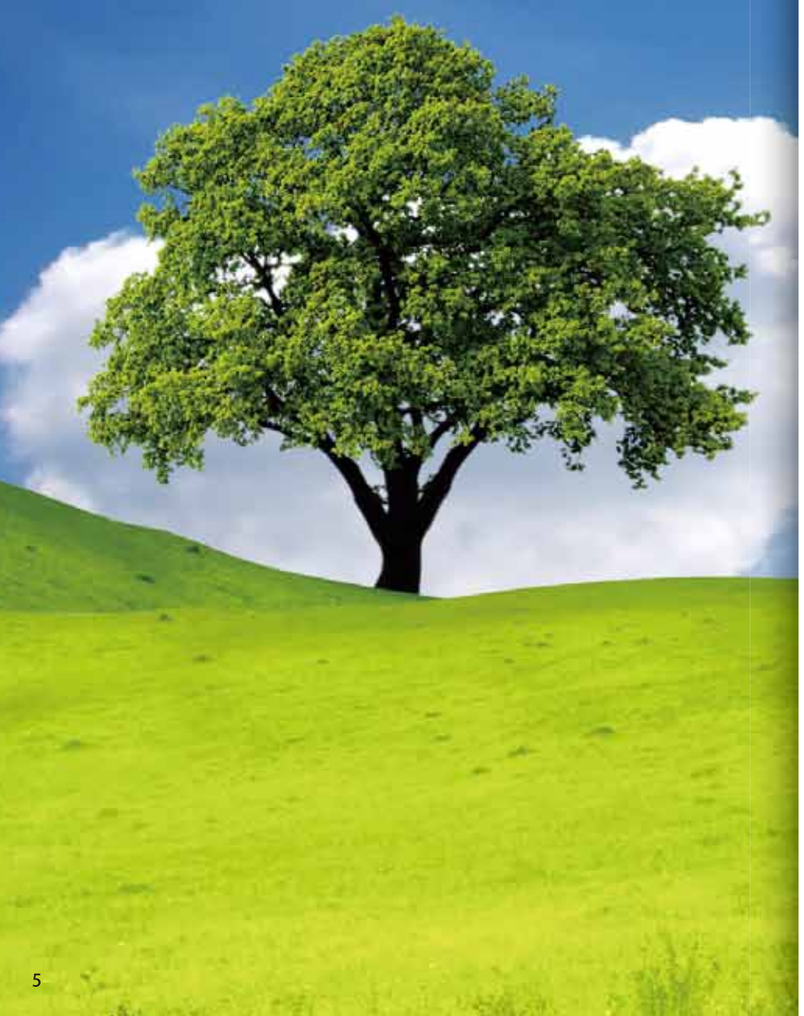
The high-performance H type, in addition to featuring an anti-slip function as standard, employs electric load-wheel brakes with a solenoid clutch to suppress vehicle sliding on slippery surfaces. This also shortens the braking distance and reduces tire wear. It also allows for stable switchbacks over short distances.





Eco & Advanced

This vehicle features innovations such as the Eco switch and customizable operation feeling. Simply switch the mode to vary between powerful operation and eco mode. Thanks to this ability to accommodate varying work environments, the Platter offers expanded potential.



The eco-friendly performance of PLATTER has evolved.

NEW

A display that's easier to read outdoors

The transmissive LCD exhibits clear contrast that makes it easier to read and less likely to be affected by sunlight when used outdoors. What's more, the text is larger and the full dot display makes the on-screen information more legible.

Understand vehicle status at a glance

All information is displayed for easy understanding: remaining battery power, travel speed, hour meter, turtle mode icon. This allows for easy management of vehicle status. Moreover, the display can be inverted to match personal preferences or the work environment.

Negative display (Normal)

Positive display (Inverted)

NEW

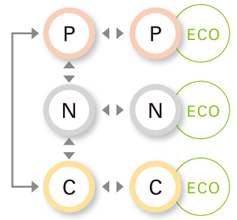
The Eco switch contributes to increased energy-efficiency

In addition to P (Powerful), N (Normal) and C (Customize) modes, the new Platter features an Eco setting. In Eco mode, daily electricity consumption is cut by 15% by controlling maximum performance such as travel speed and lift speed. Use the Eco switch to reduce your ongoing electricity consumption when maximum performance is not required.

Eco switch

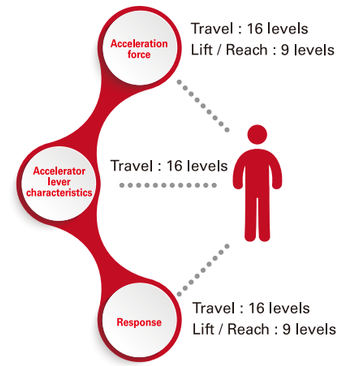
Easily switch from the standard modes to Eco mode

Depending on the work environment, the operator can directly switch to Eco mode from any of the three operation modes: P (Powerful), N (Normal) and C (Customize).



Automatic power off

If the operator neglects to turn off the key switch, the automatic power-off function disconnects the power when the inactive state persists for 15 minutes. This feature eliminates wasteful power consumption and provides reassurance if the unit will not be operated for a long time, such as during a holiday period.

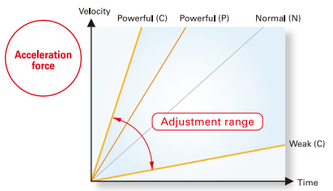


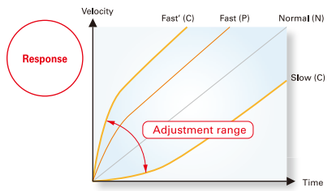
NEW

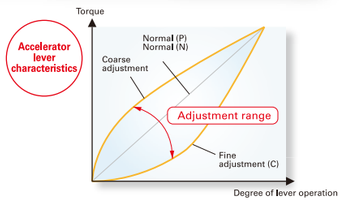
Operation characteristics customizing system

It provides flexibility in setting the operation characteristics to match the operator's skill

Through adjustments to the acceleration force, response, and accelerator lever characteristics, the vehicle's response to travel and hydraulic inputs can be adjusted in many ways to accommodate specific usage requirements and the operator's skill.
Because adjustments are made through the management screen, the user or service technician can quickly adjust vehicle response settings.







Comfort & Safety

Simply by grasping the grip and setting foot on the lowered step, you'll realize just how user-friendly the new Platter has become. What's more, the operator compartment of the new Platter has been exhaustively designed to increase the operator's work efficiency. The excellent forward visibility remains, while the operator can enjoy enhanced support resulting from a thorough rethink of the steering wheel angle and the arrangement of the operating levers.

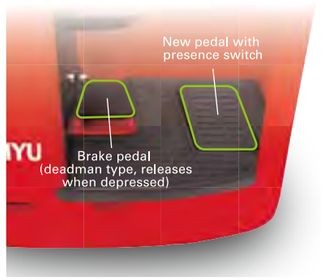
PLATTER boasts the ease-of-use and safety features that enable the operator to concentrate on the work at hand. The result is increased work efficiency.

NEW

New pedal incorporating a presence switch

The right side of the driver's platform incorporates an independent pedal with a presence switch. This ensures you can operate while maintaining a safe and stable posture, as this innovation prevents the right heel from protruding from the compartment. In addition, reducing the step height to 265 mm* contributes to easier operator entry while maintaining conventionally sized caster wheels.

*1,0 t and 1,5 t models



The "soft landing" feature minimizes shock when the forks are fully lowered

The mast incorporates a soft landing mechanism that reduces the lowering speed just before the forks contact the ground. This greatly minimizes the shock and impact noise (when unladen).

NEW

Glove compartment and flat top panel for documents

New Platter is equipped with a glove compartment and a flat top panel that accepts magnets for simplified document storage.

Magnet-compatible flat top panel

Glove compartment

The operator can maintain an ideal posture while manipulating the steering wheel and the travel / hydraulic levers.

The steering wheel and the levers are oriented to ensure the comfortable posture during operation.

Steering wheel

Levers

NEW

Hand grip assists easy ingress and egress

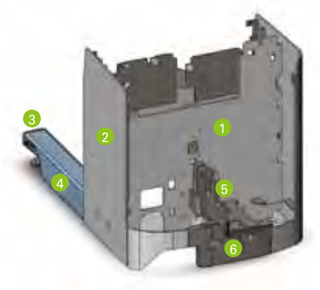
Large waist pad for reduced operator fatigue

The enlarged waist pad features soft touch materials and helps the operator maintain posture.

Waist pad

Reinforced frame for greater durability

The monocoque frame has been reinforced to increase durability and enhance strength with a cast iron rear bumper which also ensures ample impact resistance.



1 Main plate
2 Side frame
3 Cast steel cover for load wheel
4 Straddle leg
5 Reinforced link support
6 Cast iron rear bumper

Reduces accidents by preventing unintended operation

Thanks to the operation interlock system (OIS), the display issues a warning when the operator is out of the compartment or not in the correct position for traveling or hydraulic operations. Additionally even if the key switch is turned on while any lever is activated, all operations are disabled.
(Neutral Safety Feature)

Safety Cruise

After temporarily stopping on an incline and releasing the brake, you will descend only at very slow speed until you apply the accelerator and easily continue on your way.

Maintains speed of about 1 km/h if you release the brakes with the accelerator off ("Anti roll back" feature).

Maintains a constant safe speed (by suppressing acceleration on slope descent).
(Travel backward when laden.)

Note: Deadman-type brakes are applied when the pedal is released.

Lineup

Choose the model with the features to meet your worksite.

Standard 1-tonne model **Basic type/H type**

48 V, 1090-mm width

3-m mast

1.0t
1.2t

Photo:FBRM10-80-300

High mast

4-m mast

1.2t

Photo : FBRA12-80-400

Model RA, long wheelbase

Standard 1.5-tonne/2-tonne/3-tonne models **Basic type/H type**

A 1.6-tonne model is now available.

3-m mast

1.4t
1.5t
1.6t
1.8t
2.0t
2.5t
3.0t

Photo:FBRM15-H80-300

High mast

4-m mast

1.4t
1.5t
1.8t
2.0t
2.5t
3.0t

Photo : FBRA15-H80-400

Model RA, long wheelbase

Narrow chassis series **basic type**

24 V, 990-mm width. Ideal for facilities with limited space.

0.9t
1.0t
1.2t

Photo : FBRM10N-80-300

Low profile series **Basic type/H type***

1995-mm overall height. Ideal for facilities with low entry height.

0.9t 1.4t
1.0t 1.5t
1.2t 1.8t

1995-mm overall height
(with 3-m mast)

Photo : FBRM15L-80-300

*0.9-tonne to 1.2-tonne models not available in H type.

High capacity series **3.5-tonne/4.0-tonne models**

Fast and powerful handling of heavy cargo

3.5t
4.0t

Photo : FBR40-80-400

H type (high-performance type)

Models with the non-slip travel feature have electric load-wheel brakes added to the anti-slip control feature provided as standard.

Note: No narrow chassis series available.

Available in two battery configurations

All models are available as either battery front-loading or battery side-loading configuration.

Option

Options for enhanced functionality

■ Laser pointer

The red laser beam clearly indicates the fork insertion point on the pallet, allowing even beginners to easily adjust fork position. Moreover, when the forks are horizontal, the fork horizontal icon appears on the display, making it very easy to make any adjustments to achieve the horizontal position — a task that is difficult to determine by eye. This unique Nichiyu function increases both efficiency and safety.

NEW

■ Passcode entry

Even after the key is turned on, all operations can be locked out until the preset 4-digit passcode has been entered. This feature prevents accidents by eliminating forklift use by unauthorized persons.

■ Load indicator

The multi-display instantly shows the weight of the load. This convenient function makes it easy to avoid overloading and underloading. The tare weight setting easily allows the operator to deduct the weight of packaging and pallets.
(This function is NOT for commercial use.)

Specifications

■ **Semi-Cold-storage Specification**
Capable of indoor/outdoor operation in refrigerator-freezer temperatures of -35°C.

■ **Fully Cold-storage Specification with cabin (capsule forklift)**
Capable of long hours of operation in refrigerator-freezer temperatures of -55°C.

■ **Fully Cold-storage Specification**
Capable of long hours of operation in refrigerator-freezer temperatures of -35°C, as well as indoor/outdoor operation at -55°C.

■ **Marine Specification**
Capable of handling salty processed products (primarily marine products).

■ **Dairy Industry Specification**
Capable of handling dairy products in low-temperature warehouses at 0°C–5°C.

■ **Dust resistant Specification**
Capable of material handling in dusty environments.

Fully cold-storage Specification (capsule forklift)

Since 1958

GOOD DESIGN AWARD 2014
BEST 100

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

Nichiyu Electric Forklifts

Phone: 134 234
www.nichiyu.net.au

17 Marconi Drive
Dandenong South VIC 3175

ISS ProRack is an authorised dealer for Nichiyu Electric Forklifts Australia