


## The Rack Fork System

The total solution for higher, larger, more efficient use of space. It's the breakthrough warehouse managers have been waiting for.

Demand for more efficient warehouse logistics has never been greater.
Increased storage area and more effective use of limited space are the major needs. The Rack Fork Series of electric forklifts is the market leader for medium-height rack applications. Our latest models now meet modern logistics needs with AC control and an electric turret head.
Best of all, the Rack Fork Series incorporates Nichiyu's legendary technical excellence and vast experience in electric forklift trucks.

## Offers Three-directional Loading.

The Rack Fork Series handles loads from three directions by means of shift-and-rotate operation or with conventional forward loading and unloading. No turning of the truck is required


## Accommodates Aisles Only 1480 mm Wide.

Compared to reach trucks, the Rack Fork Series accommodates significantly narrower aisles only 1480 mm wide
An ideal combination of capacity and efficiency, the Rack Fork Junior Series offers a maximum lift height of 7.5 meters.


## Advantages

CASE

Greatly increases the storage capacity of your current warehouse.

Doubles your storage capacity all at once. Easily handles peak cargo volumes.



2
Creates extra space within the same storage capacity.

Adds $27 \%$ to your existing open floor space. Provides additional margin to the flow path of any logistics center.
 Even warehouses with many pillars can be redesigned for minimal loss of space.

Many warehouses operated as logistics centers have 7 to 9 meter spans between pillars. Now such pillars can be incorporated within racks to correct layouts difficult for conventional trucks to maneuver around


## Rack Fork

Rack Fork Junior Rack Fork Junior T
RFTL10/12/15-75 RFTLA 10/12/15-75 RFTL7T/10T/12T/15T-75

## Jr. Jr.

Now with AC control and electric turret head for enhanced functionality and extended operating time.


Intelligent HSVC-AC (High Grade Super Velicice Contro 1 sstem)
Total AC contributes to smooth \& powerful operation.
We have continued to improve our super intelligent control system (HSVC-AC) in order to extend the performance of humans and machines to the limit. Our newly developed AC motor and inverter for traveling and lifting have achieved unprecedented smoothness. What's more, maintenance costs have been reduced.

Reduced maintenance cost


Brake shoes, tires, hoses, various switches, inspections, etc.Distilled waterBrushes for traveling and lifting motorsContactors for traveling and lifting

## More Comfortable Operation

## Greatly reduced impact noise during

lifting and lowering (soft ending, changing, and landing)
Soft ending (optional on the RFTL and RFTL-T)
Ensures a slow speed when approaching the highest point on the mast

## Soft changing

With a three-stage mast, the lifting shock is reduced at the cylinder changeover during lifting and lowering.*

## Soft landing

When the fork is lowered to 100 mm before contact with the ground, the lowering speed is slightly reduced and the impact noise is softened when the fork lands at the end of its range (unladen).*

## Advanced Electric Turret Head*

Minimizes the shock to the load while reducing energy consumption by $50 \%$ for enhanced operability.**

We have changed the shift-and-rotate motion from a conventional hydraulic drive to an electric motor drive. This innovation offers exceptionally smooth and quiet operation while providing greater energy efficiency.

* Standard equipment on Models RFTL(A) 10/12/15-75


## Enhanced Basic Operability

## Traveling speed 10.0 km/h

(Model RFTL10-75, unladen)
The innovative AC motor ensures smoother and more powerful travel.

## Lifting speed 370 mm/s

(Model RFTL10-75, unladen)
A new AC motor has been adopted for lifting. Lifting speed has been increased by $6 \%$ compared with our previous models while providing smoother operation.


Accelerator detents

For smoother and more powerful travel, we have increased the number of travel control stages to 500 from 16 (with previous model).
$\square$


Noise reduced to 55 dB


Nichiyu's actual measurement of shift and rotate function with $1.0-$ ton model (unladen)

Operability


The work cycle per charge is about $50 \%$ greater than that of a previous forklift truck.**
** Actual measurement from Nichiyu's test course


The smooth rotating and shifting motion ensures fast operation and prevents load spillage.*
Shifting and rotating are interlocked and operated with a single lever. When no load is being carried, the head can be turned in an aisle. (Operations should be limited to within the range of vision.)


* Models RFTL(A) 10/12/15-75


## For More Comfortable Operation

## Numerous functions contribute to ease of operation.

The comfortable, ergonomically designed cockpit ensures hours of fatigue-free operation.


Photo: RFTL10-75

## Innovative joystick-type shift \& rotate lever

 Jr.The innovative joystick enables single-lever activation of the shift \& rotate mechanism. In addition, the electric turret head and smooth interlocking provide for smooth and efficient loading work.


Triple-lever operation that feels just like a forklift Jr.
Each operation-lift, shift and rotate - is controlled by its own lever, all mounted in a row. This also enables simultaneous shift-and-rotate operation (hydraulic type).


The display features a vacuum fluorescent display (VFD) providing excellent visibility. It is capable of displaying regular information such as remaining battery capacity, traveling speed, traveling distance, and date and time. In addition, it displays the mode settings as required, multi-hour meters, and reserve battery charge. Should a malfunction occur, the error display screen automatically appears to display the error code and details.

## Safer, More Secure Operation

## Automatic lifting stop function for secure loading

- With optional Full Auto Stack and Semi Auto Stack Devices


Full Auto Stack:
Lifts to higher positions can be registered beforehand for one-button operation. Therefore, operations such as insertion (manual), inching and retrieval can be performed automatically.

## Semi Auto Stack:

Perform lifts automatically at the touch of a button.
(Both full auto stack and semi auto stack can be set to $A B$ changeover in a maximum of nine stages.)

With optional Simple Semi-auto Stack Device Jr. 7


The stage heights for stopping, loading and unloading can be preset in six stages. Simply pulling the lift lever automatically stops the forks at the designated stage height. This feature is helpful for working at higher lift heights.

For handling work at higher lift heights with confidence (Smooth operation with stageless control) Smooth operation is possible thanks to the stageless control of the electric turret head. This greatly reduces shaking of the mast at higher lift heights. The result is safer and more accurate operation.


## A variety of operator-centered safety devices

Various interlocks are provided as standard to prevent unintentional or accidental traveling and operation.


[^0]
## Lineup

Equipped with an advanced electric turret head.

## Rack Fork

RFTL10/12/15-75
RFTLA10/12/15-75


Photo: RFTLA15-75

Incorporates the highly versatile triple levers.
Rack Fork [aTT
RFTL7T/10T/12T/15T-75


Photo: RFTL10T-75

Perform double duties in both pallet handling and picking operations.
This is the optimal approach for the multiple, small-lot products storage warehouse.

## Pallet Picker



## Fork view monitor

Camera \& Monitoring System ensures a more secure unloading operation
Fork view monitor (Optional) Jr. Jr.
This system captures the pallet emitted by laser beam with a small camera and displays it on a screen.

STIEP 1 Check loads with the camera and laser beam


Switch ON
Laser beam emitting and camera monitoring start STEP 2 Check the insertion point on the monitor and start unloading operation.

The pallet-insertion point is displayed on the monitor via the camera mounted to the base of the fork.


7-inch LCD monitor

## The Best Systems for Your Logistics Site

## Rack Fork Jr. \& Pallet Rack <br> (Order Picker, Walkie Trucks)



Carry out

The Rack Fork Junior can be used for warehousing with a pallet load, an order picker for carry out case picking, and the walkie trucks for case picking from the bottom-most stage. Because the aisle width requirement is only about
1.5 meter, the same as that of a forklift, storage efficiency is increased and picking from both sides is possible. Thus, you will save space and work more efficiently.

## Rack Fork Jr. \& an Electric Motor-powered Movable Shelving System

Maximize your storage capacity by combining an electrically powered movable shelving system that requires only one aisle. The movable shelves can be opened and closed easily by remote control while the operator rides on the Rack Fork Junior. This is an optimal design for sites requiring the most efficient use of capacity in a limited space.
We provide the best systems for commercial warehouses, freezer warehouses and various other logistics sites.


## An extensive product lineup and a delivery record of success



Combined with the electric motor-powered Movable Shelving System "Nichiyu Pack".


Improves storage efficiency and safety.


Stepless shift control ensures smooth handling.


Multiple trucks speed up job completion times.


Combine the "Pallet Picker" to handle case picking.

Rack Fork Junior Specifications



| Lift height (mm) | Model | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Overall height (mm) | RFTL10 | 3765 | 4265 | 4765 | 5265 | 5765 | 6265 | 6765 | 7265 | - | - |
|  | RFTLA10 | 3765 | 4265 | 4765 | 5265 | 5765 | 6265 | 6765 | 7265 | 7765 | 8265 |
|  | RFTL12 | 3765 | 4265 | 4765 | 5265 | 5765 | 6265 | 6765 | 7265 | - | - |
|  | RFTLA12 | 3765 | 4265 | 4765 | 5265 | 5765 | 6265 | 6765 | 7265 | 7765 | 8265 |
|  | RFTL15 | 4015 | 4515 | 5015 | 5515 | 6015 | 6515 | 7015 | 7515 | - | - |
|  | RFTLA15 | 4015 | 4515 | 5015 | 5515 | 6015 | 6515 | 7015 | 7515 | 8015 | 8515 |
| Height of mast (mast lowered) (mm) | RFTL10 | 2295 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | - | - |
|  | RFTLA10 | 2295 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | 4295 | 4545 |
|  | RFTL12 | 2295 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | - | - |
|  | RFTLA12 | 2295 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | 4295 | 4545 |
|  | RFTL15 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | 4295 | - | - |
|  | RFTLA15 | 2545 | 2795 | 3045 | 3295 | 3545 | 3795 | 4045 | 4295 | 4545 | 4795 |
| Mast height during traveling (at 350 mm lift) (mm) | RFTL10 | 2440 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | - | - |
|  | RFTLA10 | 2440 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | 4440 | 4690 |
|  | RFTL12 | 2440 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | - | - |
|  | RFTLA12 | 2440 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | 4440 | 4690 |
|  | RFTL15 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | 4440 | - | - |
|  | RFTLA15 | 2690 | 2940 | 3190 | 3440 | 3690 | 3940 | 4190 | 4440 | 4690 | 4940 |
| Capacity (kg) | RFTL10 | 1000 | 1000 | 1000 | 1000 | 1000 | 870 | 800 | 750 | - | - |
|  | RFTLA10 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 900 | 800 |
|  | RFTL12 | 1200 | 1200 | 1200 | 1170 | 1070 | 1000 | 950 | 900 | - | - |
|  | RFTLA12 | 1200 | 1200 | 1200 | 1200 | 1200 | 1150 | 1100 | 1050 | 1020 | 1000 |
|  | RFTL15 | 1500 | 1500 | 1450 | 1330 | 1230 | 1070 | 970 | 900 | - | - |
|  | RFTLA15 | 1500 | 1500 | 1500 | 1500 | 1350 | 1230 | 1150 | 1080 | 1030 | 1000 |
| Service weight (kg) | RFTL10 | 3620 | 3670 | 3850 | 3940 | 3980 | 4030 | 4080 | 4170 | - | - |
|  | RFTLA10 | 3950 | 4010 | 4060 | 4170 | 4260 | 4540 | 4620 | 4690 | 4750 | 4800 |
|  | RFTL12 | 3740 | 3790 | 3930 | 4030 | 4070 | 4120 | 4180 | 4260 | - | - |
|  | RFTLA12 | 4040 | 4100 | 4160 | 4270 | 4550 | 4630 | 4720 | 4780 | 4840 | 4900 |
|  | RFTL15 | 4130 | 4180 | 4410 | 4460 | 4510 | 4580 | 4660 | 4710 | - | - |
|  | RFTLA15 | 4290 | 4350 | 4660 | 4720 | 4780 | 4860 | 4970 | 5030 | 5090 | 5150 |

[^1]5. The rack height determines the height of the upper guide roller position.

Width of upper guide roller when cargo is aigned to rack
Width of upper guide roller (when cargo overhangs rack) $=$ Stacking aisle width +20
Width of lower guide roller = Stacking aisle width - 30
6. Clearance is not included in the main aisle width calculation
*All specifications are subject to change without notice due to further improvement or modification.

## Rack Fork

Rack Fork JuniorT Specifications

|  |  |  |  | Unit | RFTL7T-75 | RFTL10T-75 | RFTL12T-75 | RFTL15T-75 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Capacity |  |  | kg | 700 | 1000 | 1200 | 1500 |
|  | Load dimensions (L x W) |  |  | mm |  |  |  |  |
|  | Load center |  |  | mm |  |  |  |  |
|  | Lift height |  | A | mm |  |  |  |  |
|  | Lift height (Maximum) |  |  | mm | 6000 |  |  |  |
|  | Lifting speed | Laden |  | mm/s | 360 | 340 | 300 | 270 |
|  |  | Unladen |  | $\mathrm{mm} / \mathrm{s}$ | 430 | 410 | 350 | 310 |
|  | Traveling speed | Laden |  | km/h | 9.5 |  | 9 | 8 |
|  |  | Unladen |  | km/h | 10 |  | 9.5 | 8.5 |
|  | Rotating speed of forks |  |  | $\mathrm{s} / 180^{\circ}$ | 8 | 9 | 10 | 11 |
|  | Shift speed |  |  | $\mathrm{mm} / \mathrm{s}$ | 240 |  | 230 | 210 |
|  | Main aisle width (calculated) |  |  | mm | 2880 | 3080 |  | 3250 |
|  | Stacking aisle width |  | B | mm | 1480 |  |  |  |
|  | Overall length |  | C | mm | 2560 | 2725 | 2745 | 2895 |
|  | Overall width (with across guide rollers) |  | D | mm | 1450 |  |  |  |
|  | Overhead guard height |  | E | mm | 2255 |  | 2330 |  |
|  | Fork length |  |  | mm | 850 |  |  |  |
|  | Wheelbase |  | F | mm | 1348 | 1500 |  | 1650 |
|  | Front overhang |  | G | mm | 715 | 730 | 750 | 785 |
|  | Shift stroke |  | H | mm | 1210 | 1180 | 1280 | 1210 |
|  | Lowered fork height |  | I | mm | 60 (to bottom of fork) |  |  |  |
|  | Minimum turning radius |  | J | mm | 1585 |  |  | 1910 |
|  | Drive |  |  | mm | $\phi 330 * 145$ Rubber | \$ 380*165 Rubber |  |  |
|  | Load |  |  | mm | \$ 127*92 Urethane |  | $\phi 140 * 127$ Urethane |  |
|  | Casters |  |  | mm | ¢ 178*73 Rubber | \$204*76 Rubber |  |  |
|  | Motors | Travel |  | kW | 4.3 | 5 |  |  |
|  |  | Control method |  |  | Inverter |  |  |  |
|  |  | Hydraulic |  | kW | 8.8 | 11 |  |  |
|  |  | Control method |  |  | Inverter |  |  |
|  |  | Steering |  | kW | 0.3 |  |  |  |
|  |  | Control method |  |  | FET chopper |  |  |  |
|  | Shift \& Rotate drive method |  |  |  | Hydraulic |  |  |  |
| $\begin{aligned} & \text { l } \\ & \substack{0 \\ \text { N}\\ } \end{aligned}$ | Battery capacity 48 V |  |  | Ah/5HR | 210 |  |  | 280 |  | 320 |
|  | Charger Type <br> Recharging system  |  |  |  | Built-in $3.0 \mathrm{kVA} /$ Stationary 3.8 kVA | Built-in 4.3 kVA / Stationary 4.7 kVA |  |  |
|  |  |  |  |  |  | Yes |  |  |



Notes: 1. The above drawing and table indic ate a pallet size of 1100 (L) $\times 1100$ (W) mm. Different pallet sizes would result in
changes in the above figures
The figures in the above figure and table apply to models with a standard mast (two-stage mast). Specifications
Differ or mast
The standard guide roller is installed in aisle width, shift stroke, and boom size
part as well for unit with higher than 6000 mm mast (excluding models RFILIT) 000 mm mast, installed on the upper

[^2]The Rack Fork Junior Series product line is available in various specialized configurations.

## Specifications and Equipment

| Item |  |  | RFTL10 | RFTL12 | RFTL15 | RFTLA10 | RFTLA12 | RFTLA15 | RFTLTT | RFTL10T | RFTL12T | RFTL15T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 흔O | Traveling AC control |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Hydraulic AC control |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Shift \& rotate drive method | Electric | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |  |  |
|  |  | Hydraulic |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Smooth interlocking |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |  |  |
|  | L (maximum) mm |  | 1400 |  |  | 1400 |  |  | 1300 |  | 1400 |  |
|  | W (maximum) mm |  | 1600 |  |  | 1600 |  |  | 1300 | 1500 |  |  |
| $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{0}{\#} \\ & \stackrel{0}{0} \\ & \stackrel{\rightharpoonup}{0} \\ & \stackrel{\omega}{\omega} \end{aligned}$ | Soft landing |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Soft changing (available for three-stage masts only) |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Soft ending |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Neutral safety |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Safety cruise |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Auto torque increase |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Auto power off |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Shift \& rotate stageless changeover |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |  |  |
|  | Various traveling interlocks |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |  |  |
|  | Coasting* |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Plugging |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Braking |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Speed suppression when descending slopes |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| $\begin{aligned} & \text { 弟 } \\ & \text { in } \\ & 0 \\ & \text { 安 } \end{aligned}$ | Simple semi auto stack (standard 6-stage) |  |  |  |  |  |  |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Semi auto stack (AB switch, 9 stages each) |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |  |  |  |  |
|  | Semi auto stack with inching (AB switch, 9 stages each) |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |  |  |  |  |
|  | Full auto stack (AB switch, 9 stages each) |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |  |  |  |  |
|  | Full auto stack with sensor (AB switch, 9 stages each) |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |  |  |  |  |
|  | Lower guide rollers | 4 pcs . | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Upper guide rollers | Standard for lift heights exceeding 6000 mm | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Modification of guide roller width |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Travel stop position mark |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Lift stop position mark |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | Address pointer |  | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ | $\triangle$ |
|  | VFD (vacuum fluorescent display) |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Safety monitor |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Text warning |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Multi-hour meter |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Odometer |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Clock with calendar |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Battery discharge indicator |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Speed meter |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Reserve charge |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Charging status monitor |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Charge time extention for low temperature |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Supplemental thermal charge |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| . <br> $\stackrel{0}{0}$ <br> \# <br> © | Capacity | Voltage | 48 V |  |  |  |  |  |  |  |  |  |
|  | 201 Ah/5HR |  |  |  |  |  |  |  |  |  |  |  |
|  | $210 \mathrm{Ah} / 5 \mathrm{HR}$ |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |
|  | $280 \mathrm{Ah} / 5 \mathrm{HR}$ |  |  |  |  |  |  |  | $\triangle$ | $\bigcirc$ | $\bigcirc$ |  |
|  | $320 \mathrm{Ah} / 5 \mathrm{HR}$ |  | $\bigcirc$ | $\bigcirc$ |  |  |  |  |  | $\triangle$ | $\triangle$ | $\bigcirc$ |
|  | 370 Ah/5HR |  | $\triangle$ | $\triangle$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  | $\triangle$ | $\triangle$ | $\triangle$ |

* Regeneration is adjustable in four stages: LOW, MID, HIGH and NON.
- Some combinations of specifications may not be available.

Please contact your Nichiyu dealer.

- All specifications are subject to change without notice.

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

## NICHIYU

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[^0]:    The interlock prevents travel when the forks are in any other position

[^1]:    Notes: 1. The above drawing and table indicate a pallet size of 1100 (L) $\times 1200$ (W) mm. Different pallet sizes would result in
    2. The figures in the above figure a
    for models with a three-stage mat table apply to models with a standard mast (two-stage mast). Specific ations differ
    Different pallet sizes require mast.
    4. The standard guide roller is installed only ansle width, shift stroke, and boom size,
    part as well for unit with higher than 6000 mm mower part; for unit with up to 6000 mm mast, installed on the upper

[^2]:    5. The rack height determines the height of the upper guide roller position.

    Width of upper guide roller (when cargo is aligned to rack edge) $=$ Stacking aisle width -340
    Width of lower guide roller (when cargo overhangs rack) $=$ Stacking aisle width +20
    oller $=$ Stacking aisle width - 330

    * All specifications are subject to change without notice due to further improvement or modifications.

