



New **8FBP** SERIES
ORDER PICKER 0.7 TO 1.5 TON

8FBP SERIES
ORDER PICKER 0.7 TO 1.5 TON

The data in this brochure was determined based on our standard testing condition.
Operating performance may vary depending on the actual specifications and condition of the vehicle, as well as the conditions of the operating area.
Due to photography and printing, color of actual vehicle may vary from this brochure. Some photos have been computer-enhanced.
Availability and specifications are determined by market and are subject to change without notice.
Safe forklift operation is achieved by proper operator training and proper worksite rules. Please consult your Toyota representative regarding forklift selection and operator training.
Please consult your Toyota representative for details.



Website



YouTube

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TOYOTA MATERIAL HANDLING INTERNATIONAL
CAT.8FBP7-15/2310/(\$)/No.71720E0





Comfortable order picking with a wide field of view and the stability of a long wheel base
standard

Compact body gives excellent maneuverability, ensuring workability in tight spaces
New compact



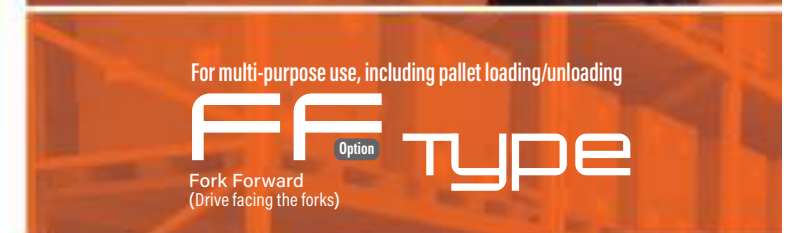
A full line-up available to match the order picking needs of various worksite

In addition to the standard model with excellent forward field of view and stability, a compact model with excellent maneuverability is newly added. For both models, PF and FF type are available to be selected, which change the driving position, to suit customer worksites



Standard type with a focus on picking operations

PF type
Power Unit Forward
(Drive facing the power unit)



For multi-purpose use, including pallet loading/unloading

FF type
Fork Forward
(Drive facing the forks)



Features and equipment may vary depending on market.

Productivity & Ecology

Support for Safe Operation

Operability & Comfort

Reliability & Durability

Available from Standard Model with outstanding stability, and Compact Model with excellent maneuverability

standard

0.7/0.9/1.0/1.5ton

New

compact

0.7/0.9/1.0ton



A long wheel base contributes to stable safe work at heights



Wheelbase 8FBP10
1,225mm

Intersecting Aisle Width 8FBP10
1,570mm

Right Angle Stacking Aisle Width* 8FBP10
2,970mm

*With pallets 1100 x 1100. Safety clearance of 200mm is included

Turning Radius (Outside) 8FBP10
1,420mm

Tight turning radius achieved by the short wheel base allows for easy operation even on narrow paths



Wheelbase 8FBPK10
1,010mm

Intersecting Aisle Width 8FBPK10
1,490mm

Right Angle Stacking Aisle Width* 8FBPK10
2,760mm

*With pallets 1100 x 1100. Safety clearance of 200mm is included

Turning Radius (Outside) 8FBPK10
1,245mm

Compact, yet packing the same battery capacity as the standard model

Battery Capacity
165Ah 201Ah 240Ah



Features and equipment may vary depending on market.



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Supports environmentally friendly, operator-friendly picking operations



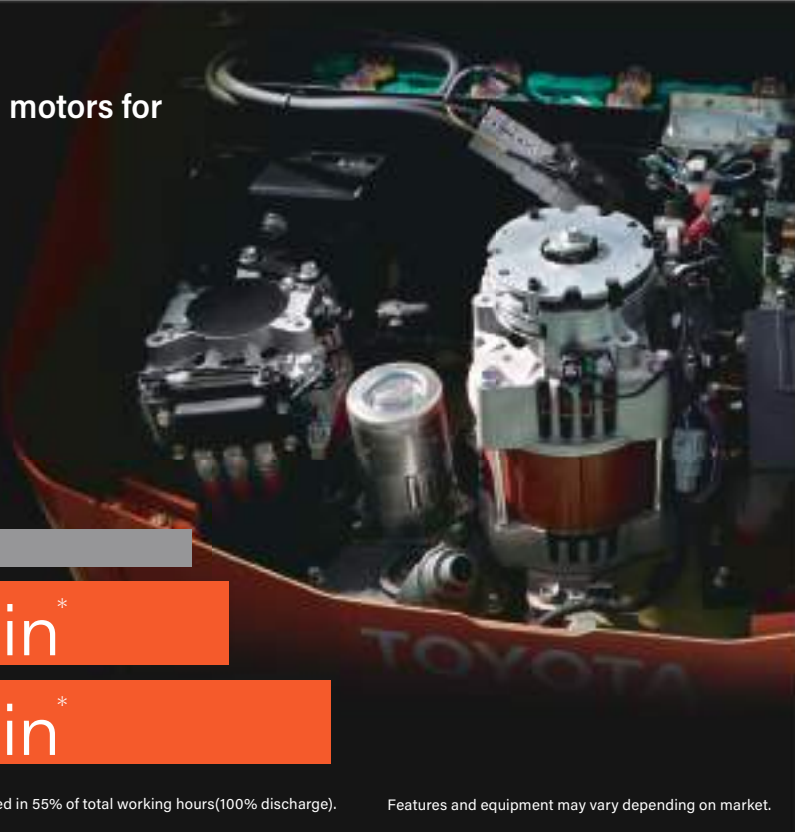
Features and equipment may vary depending on market.

Productivity & Ecology

Support for Safe Operation

NEW Uses high-output, high-efficiency AC motors for traveling and load handling

Independent high-output, high-efficiency AC motor system for traveling and load handling, combined with feature-rich controller system allows for fine motor control, energy efficiency and longer operating time.



Comparison of operating time with previous models (1.0ton S mode)

Previous model (8FBP10)	12h10min*
8FBP10	12h45min*
8FBPK10	14h20min*

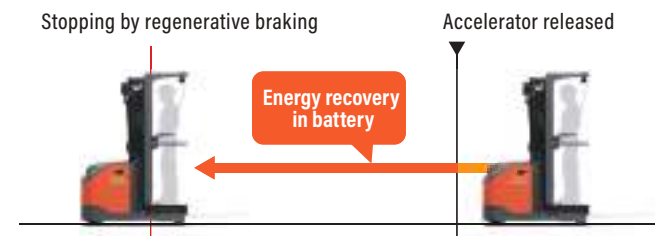
*Measured by Toyota 30m cycle pattern
Assumed that the forklift is actually operated in 55% of total working hours(100% discharge).

Features and equipment may vary depending on market.

Multiple regenerative systems recover energy without waste

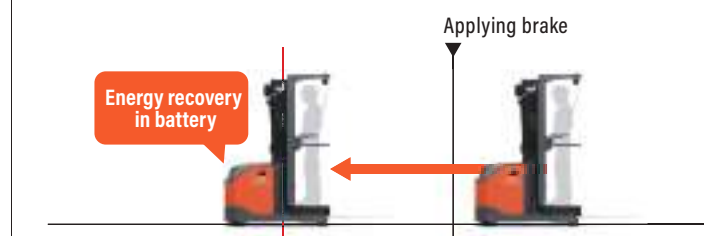
Accelerator-release Regeneration

Recovers kinetic energy to battery when the accelerator is released. Creates a sensation of smooth deceleration.



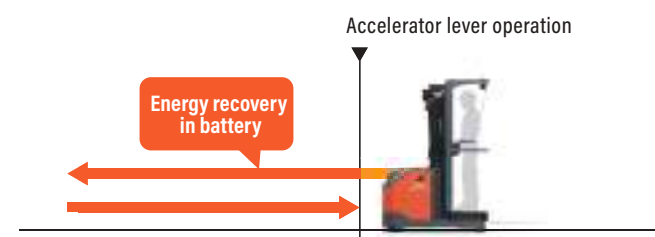
Brake Regeneration

Recovers kinetic energy to battery when braking. Helps to extend the brake service interval.



Switchback Regeneration

Recovers kinetic energy to battery during a switch back. Smooth and powerful, helps with quick operation.



Fork Lowering Regeneration

Recovers potential energy to battery when lowering the forks. Additionally, centralization of hydraulic devices reduces pressure losses and significantly reduces power consumption during loading and unloading.



Operability & Comfort

Reliability & Durability



Advanced safety functions support safe and secure picking operations

Supports safe working during picking operations

NEW Safety Harness Hook Detection Sensor Option

Detects whether or not the safety belt hook is attached, using a photoelectric switch installed on the safety belt attachment bar above the platform. When the operator has neglected to attach the safety belt hook, platform will not elevate, and helps reduce the risk of falling accidents when picking.



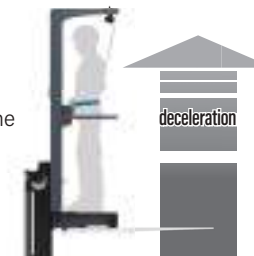
Lift Height Vehicle-Speed Control

Traveling speed is reduced at the lift height of 50 cm, and is further reduced continuously beyond that point, according to the lift height. This allows the truck to travel quickly at low lift heights and moderately at high lift heights, providing both high-level stability and workability.



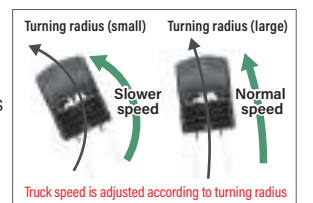
Shockless Ascent Stop

The system reduces lifting speed near the end of the ascent range, reducing jolting when maximum lift height is reached.



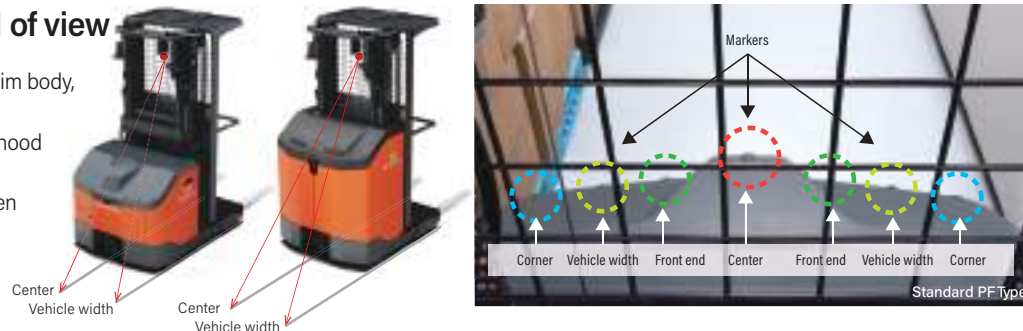
Automatic Turn-Speed Control

With a tire angle of 45 degrees or more (for compact models, 15 degrees or more) the traveling speed is automatically reduced. This contributes to traveling stability.

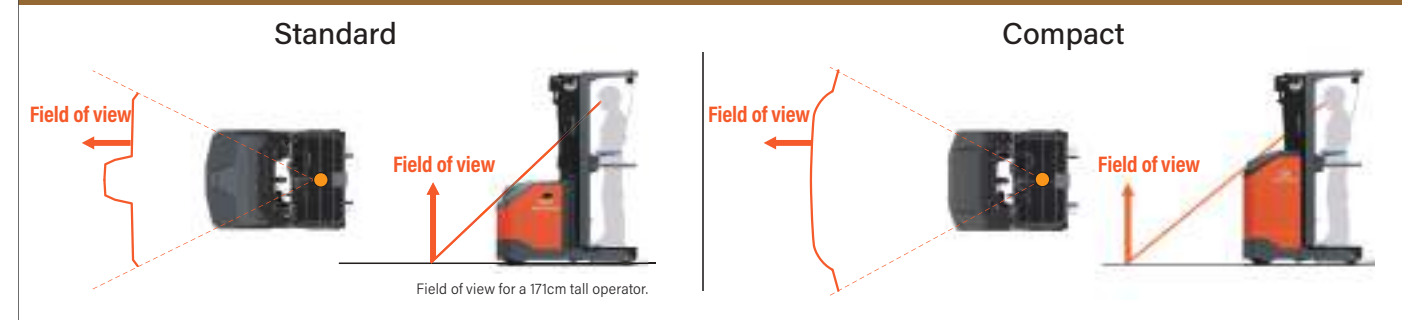


A clear, wide forward field of view

A compact AC motor system enables a slim body, with a wide field of view. In addition, markers (protrusions) on the hood make it easy to get a sense of the vehicle outline, helping with maneuverability when entering narrow aisles.

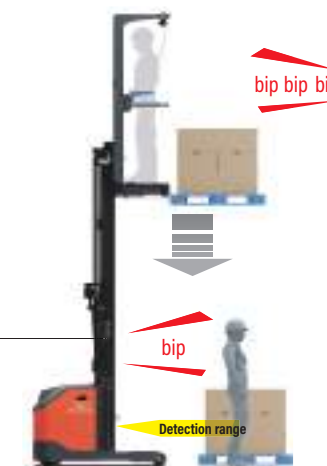


Comparison of fields of view



NEW Lowering Smart Alarm Option

When a sensor detects an obstacle under the lowering platform, the system notifies both the operator and surrounding workers by a buzzer. Helps reduce the risk of collisions with other vehicles and obstacles.



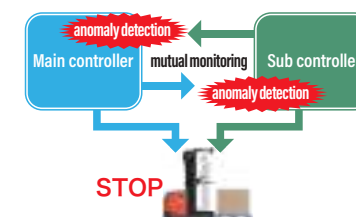
Notifies the operator by display, display buzzer, and reduced lowering speed, when an obstacle is in the detection area when lowering.

Display	Content
	Obstacle detection disabled Lift height 600 mm or more, and obstacle detection sensor activated.
	Obstacle detection enabled Lift height 600 mm or more, and obstacle detection sensor activated.
	Detecting obstacles

A dedicated buzzer notifies surrounding workers that the platform and forks are lowering.

NEW Redundant Monitoring Steering System

Compliant with latest safety standards. System configuration uses mutual monitoring of abnormalities between the main controller and the sub controller. At abnormality detection, the vehicle is stopped, using both regenerative brake and electromagnetic brake.



NEW Strobe Light

Compliant with latest safety standards. Strobe light linked to key switch equipped as standard.



NEW Safety Harness with Reel Option (Orange)

Orange safety belt allows the people around the vehicle to clearly see if it is being worn.



LED Blue Light Option

A blue beam light appears on the ground to inform pedestrians of the forklift's presence, and helps to prevent accidents.



NEW OPS Operator Presence Sensing Helps to prevent accidents by limiting truck function when the operator is not in the proper operating position.

- When the guard bars are open
- When the brake release pedal is not being pressed
For load handling, when the pedal has not been pressed once or more.



	OPS Activated	OPS Active notification
Travel OPS function	Truck will not travel even if the accelerator grip is twisted.	Notifies the operator that OPS is activated via indicator on display.
Load handling OPS function	Load handling not possible even if the load handling lever is operated.	



Stress-free, intuitive operation

Standard PF Type

Full equipment loadout for ease of operation. Helps reduce fatigue, improving fine-tuned operability

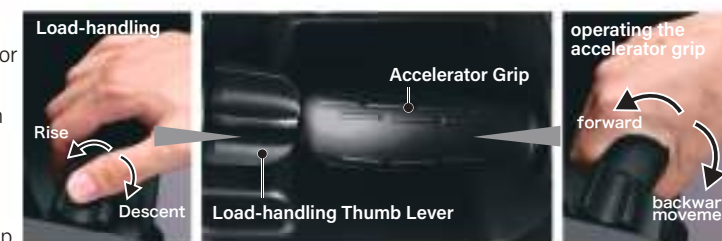
Steering Wheel

Horizontal positioning of a small-diameter electric steering handle enables driving with less arm movement, helping reduce operator fatigue. Also, a new control method that constantly keeps the handle and wheels synchronized has been adopted to provide a high degree of directional stability and operability.



Accelerator Grip & Load-handling Thumb Lever

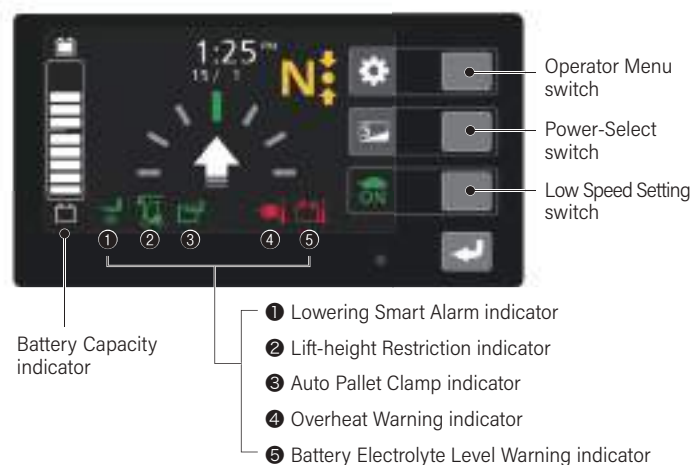
The oval configuration of the accelerator grip fits the hand and allows for a light grip, while the unique 3-way convex load handling thumb lever allows for a delicate operation with the thumb. Optimized configuration of the controls help reduce fatigue during long operation and work. Neutral position of the load handling thumb lever is rotated with the accelerator grip, when it is operated. Operator can easily perform load handling while driving, without changing away from the accelerator grip.



Improved visibility and operability with various information by larger high-resolution color LCD

NEW Color Multifunction Display

Color Multifunction Display is approximately twice the screen size of the previous model. A larger high-resolution color LCD improves visibility and operability of various information. A large-capacity QR code display is also available. With the new data logging capability as a result of additional memory, serviceability is improve.



Selectable Screen Background Color

The Background color automatically switches in response to direct sunlight. (Enabled via settings.)



Helps with securing pallet and load stability during pallet transport and picking operations at heights

Auto Pallet Clamp

Lifting the forks to 50 cm automatically clamps the pallets, preventing vertical shaking. Select from mechanical and electric types. * Note: Electric type is an option.

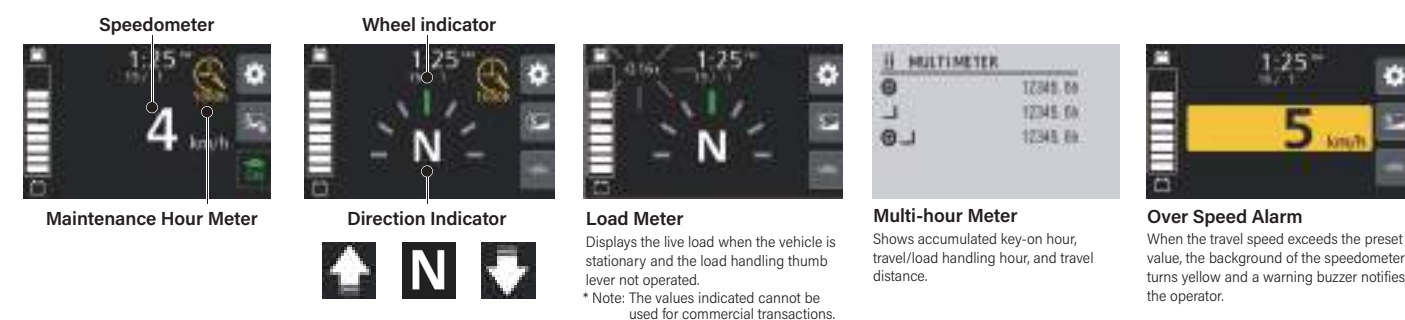
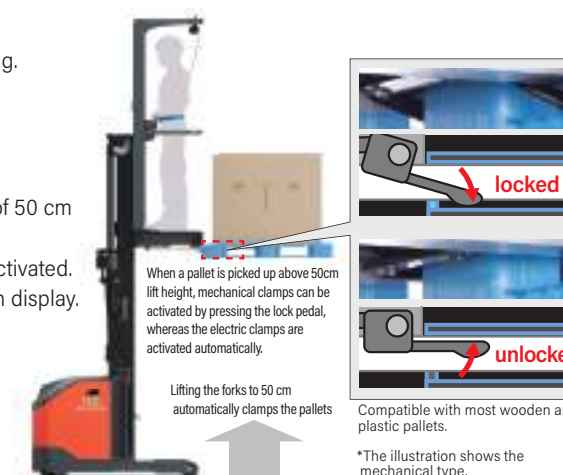
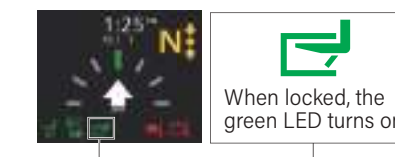
Mechanical Clamps

Lock pedal to activate and deactivate the clamp at any height of 50 cm or more.



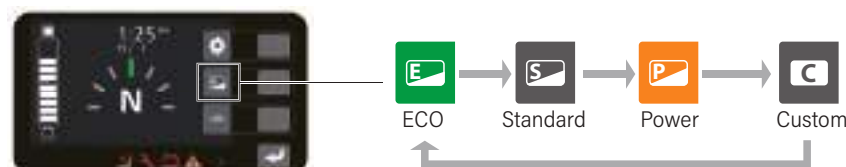
NEW Electric Clamps Option

When a pallet is loaded on to the forks at a height of 50 cm or more, it is automatically clamped. When fully lowered, the clamp is automatically deactivated. Clamp status is displayed on the color multifunction display.



Power-select Function

Selectable power modes according to operation or operator preferences.



Shockless Descent Stop

Reduces the fork lowering speed just before they reach the ground, which relieves the shock of flooring.



Pre-auto Stop

Forks' decent is automatically stopped at programmable height, before reaching the ground.

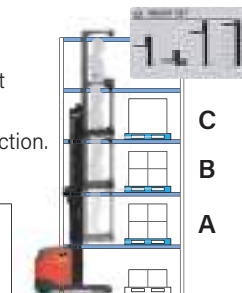


Pre-auto Stop requires setup at a dealer. Please contact your Toyota Material Handling representative for details.

Height Selector

Forks can be set to automatically stop at three different heights during lifting. Also includes a lift height restriction function.

Available items	<ul style="list-style-type: none"> Automatic lift-height positioning Lift-height Restriction Maximum lift-height Restriction
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Anti-rollback

When the accelerator is released while on a slope, the truck prevents rolling down for a certain period and restricts roll down speed after that. This helps to ensure safe operation on slopes.



Productivity & Ecology

Support for Safe Operation

Operability & Comfort

Reliability & Durability

Customize for your site

Storage Box (only for PF type) Option

A 10-liter pocket useful for storing the tools and documents necessary for operation. The upper section features two tape hooks.



Guide Wheels Option

Urethane double guide wheels have multiple widths select from 1250, 1350, and 1450mm. Triple wheels option 1250mm widths is also available for compact model.



FF (Fork Forward) Type Option

Instrument panel and control system is facing the forks, allowing multi-purpose use of the truck. Good for operation requiring pallet load/unload, on top of order picking.

LED Headlight Option



NEW LED Rear Working Lamp Option



NEW LED Backup Light Option



Long-life, and power-saving, LED lamps are available as an option.

Option illustration



MAIN EQUIPMENT

●:Standard ○:Option

Item	Standard				Compact		
	8FBP7	8FBP9	8FBP10	8FBP15	8FBPK7	8FBPK9	8FBPK10
OPS	●	●	●	●	●	●	●
Automatic Vehicle-speed Control	●	●	●	●	●	●	●
Markers	●	●	●	●	●	●	●
Safety Harness with Reel	●	●	●	●	●	●	●
Safety Harness with Reel (Orange)	○	○	○	○	○	○	○
Lowering Smart Alarm	○	○	○	○	○	○	○
Safety Harness Hook Detection Sensor	○	○	○	○	○	○	○
Rear View Mirror	○	○	○	○	○	○	○
Strobe light	●	●	●	●	●	●	●
LED Yellow Beacon	○	○	○	○	○	○	○
Backup Light	○	○	○	○	○	○	○
LED Backup Light	○	○	○	○	○	○	○
Headlight	○	○	○	○	○	○	○
LED Headlight	○	○	○	○	○	○	○
LED Rear Working Lamp	○	○	○	○	○	○	○
Rear Working Lamp	○	○	○	○	○	○	○
LED Blue Light	○	○	○	○	○	○	○
Reading Lamp	○	○	○	○	○	○	○
Back-up Buzzer	○	○	○	○	○	○	○
Forward Chime	○	○	○	○	○	○	○
Rear Bar (for PF Type)	○	○	○	○	○	○	○
Drive Tire Cover	○	○	○	○	○	○	○
Battery (Wet Cell) 165AH	○	—	—	—	○	—	—
Battery (Wet Cell) 201AH	○	○	○	—	○	○	○
Battery (Wet Cell) 240AH	○	○	○	○	○	○	○
Battery (Wet Cell) 280AH	—	—	—	○	—	—	—
Battery Charger (Off-Truck Type)	○	○	○	○	○	○	○
Battery Protecting Function	○	○	○	○	○	○	○
Single Overall Electrolyte Filler Ports	○	○	○	○	○	○	○
Battery Carrier	○	○	○	○	○	○	○
Battery Roll-out	○	○	○	○	—	—	—
Handle For Side Pull-out Battery	○	○	○	○	○	○	○
Steering Wheel	●	●	●	●	●	●	●
Accelerator Grip & Load-handling Thumb Lever	●	●	●	●	●	●	●
Mechanical Auto Pallet Clamp	●	●	●	●	●	●	●
Electric Auto Pallet Clamp	○	○	○	○	○	○	○
Lifting End Shockless / Pre-auto Stop	●	●	●	●	●	●	●
Hight Selector	●	●	●	●	●	●	●
Anti-rollback	●	●	●	●	●	●	●
A4 Binder	○	○	○	○	○	○	○
Large Storage Pocket	○	○	○	○	○	○	○
Head Guard Sheet	○	○	○	○	○	○	○
Color Multifunction Display	●	●	●	●	●	●	●
Pin Code Entry System	○	○	○	○	○	○	○
Key-less Ignition Switch	○	○	○	○	○	○	○
Telematics With POC	○	○	○	○	○	○	○
Width 1250mm	○	○	○	○	○	○	○
Width 1350mm	○	○	○	○	○	○	○
Width 1450mm	○	○	○	○	○	○	○
3PCS. Width 1250mm	—	—	—	—	○	○	○
Special Edition Cold Storage Model (Type 35)	○	○	○	○	○	○	○

Productivity & Ecology

Support for Safe Operation

Operability & Comfort

Reliability & Durability

Model line-up

Standard 8FBP7 0.7ton 8FBP9 0.9ton 8FBP10 1.0ton 8FBP15 1.5ton

PF Power Unit Forward Type



Compact 8FBPK7 0.7ton 8FBPK9 0.9ton 8FBPK10 1.0ton

PF Power Unit Forward Type



FF Fork Forward Type Option



FF Fork Forward Type Option



MAIN SPECIFICATIONS

Model		8FBP7	8FBP9	8FBP10	8FBP15	8FBPK7	8FBPK9	8FBPK10
Load Capacity	kg	700	900	1000	1500	700	900	1000
Load Center	mm	500	500	600	600	500	500	600
Overall Width	A mm	1,090	1,090	1,090	1,090	1,090	1,090	1,090
Turning Radius (outside)	B mm	1,420	1,420	1,420	1,520	1,225	1,225	1,245
Overhead Guard Height	C mm	2,115	2,115	2,115	2,115	2,115	2,115	2,115
Length to Fork Face	D mm	1,535	1,535	1,535	1,645	1,315	1,315	1,315

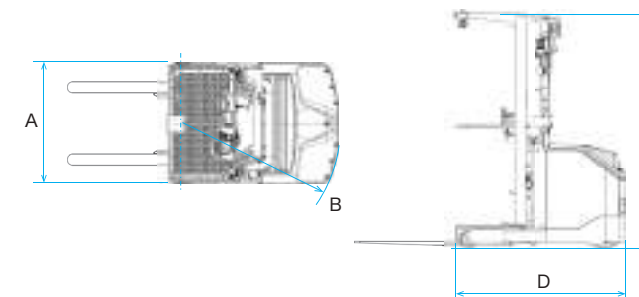
BATTERY AND MOTOR SPECIFICATIONS

Model			8FBP7	8FBP9	8FBP10	8FBP15	8FBPK7	8FBPK9	8FBPK10
Voltage/Capacity (5-hour ratings)	Min.	V/Ah	48/165	48/201	48/201	48/240	48/165	48/201	48/201
	Max.	V/Ah	48/240	48/240	48/240	48/280	48/240	48/240	48/240
Electric Motors	Drive	kW	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	Load Handling	kW	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Power Steering	kW	0.26	0.26	0.26	0.26	0.26	0.26	0.26

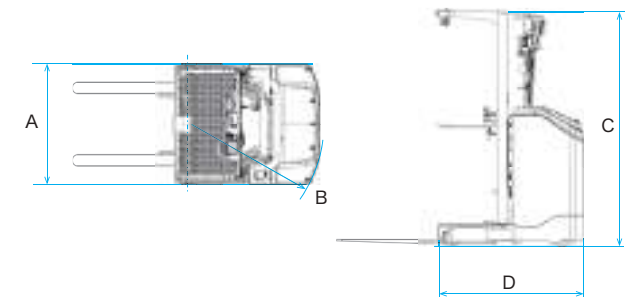
Standard

Compact

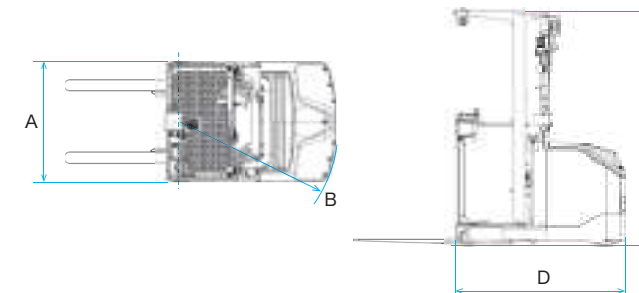
PF (Power Unit Forward) type



PF (Power Unit Forward) type



FF (Fork Forward) type Option



FF (Fork Forward) type Option

