

FORK

Nichiyu Electric Forklifts

Counter Balanced Type Models : FBC-70 Series

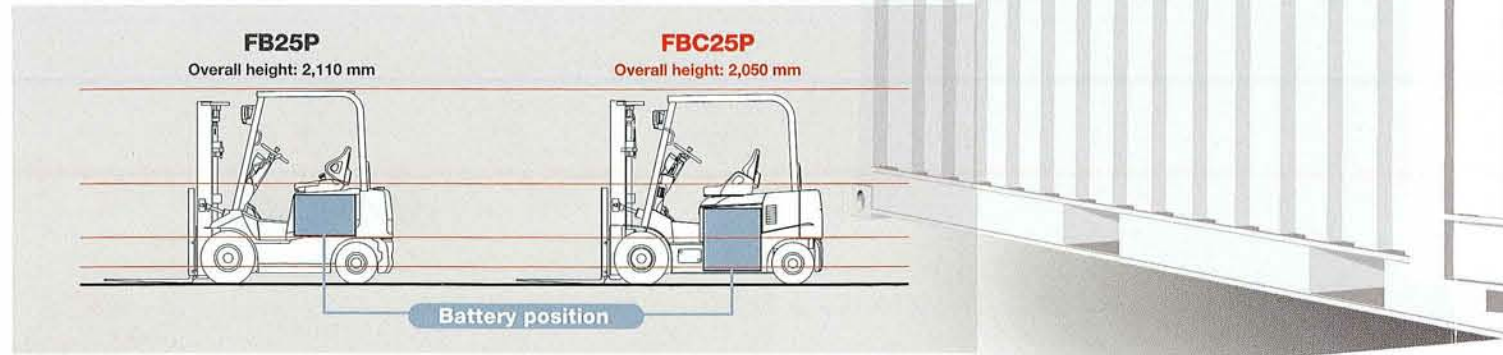


formerly **MYK**

Low Height

Handles all ISO-compatible containers.
At only 2,050 mm high, it can also enter into reefer containers easily.

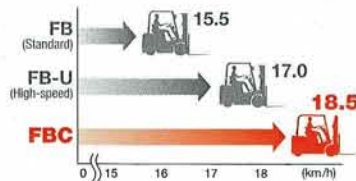
Introducing the key to "modal shift" - the battery forklift that is equivalent to engine-powered forklifts for container loading & unloading.



High Power

Travel speed

Acceleration performance is improved, as well as traveling speed. The speedy movement and tight-space turning performance significantly increase work efficiency.



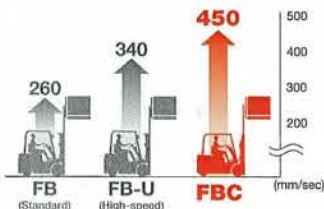
Gradeability

The powerful AC motor provides increased gradeability, which have, in the past, been regarded as weak points of conventional battery forklifts.



Lift speed

Lift speed and inching performance are significantly improved.



Working performance

With the SICOS-AC highly efficient control and NICHYU original "regenerative functions", the FBC provides both higher power and increased work cycles.



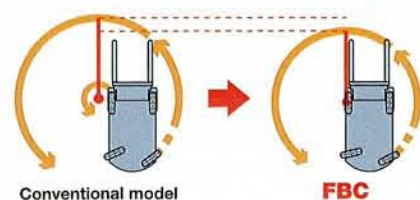
Data : 2.5ton truck

Stable

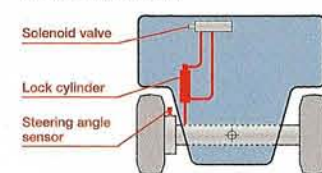


Excellent turning performance & stability

The FBC uses the hydrostatic power steering control system that provides 100% full turn steering angle of the rear wheels. Furthermore, on-demand control ensures energy-saving. When turning and accelerating/decelerating, the FBC locks the rear wheel axle so that it will not swing. When traveling straight ahead at a constant speed or a low speed, the rear wheels swing to stabilize the truck. Furthermore, the extended wheel base and tread ensure stability at all times.



■ Rear axle lock



■ Long wheel base and wide tread rear wheels



Comfortable

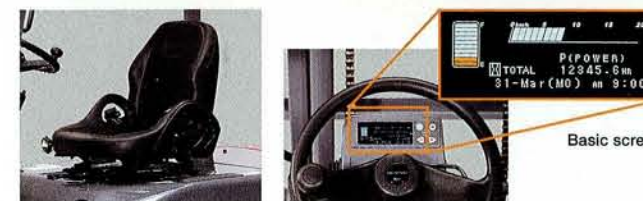


Easy operation same as engine forklifts

Since a 70 volts battery based on a new concept is embedded at a lower position between the axles, the FBC provides large capacity and low profile. Furthermore, since the footstep is positioned lower, an operator can more easily get on and get off the truck.

Ergonomic design

A new cushion material is used on the footstep to suppress impact to the operator's knees. Also, the reclining seat with suspension is a standard feature. Since the cover on the riding side is formed in a smooth curve, an operator can smoothly get on and off the truck.



VFD display with excellent outdoor visibility

The FBC is equipped with a multi-display that enables centralized control of individual functions.

Reliable

Nichiyu original safety cruise

When stopping on a slope, the truck moves at a constant speed of 1km/h even if the accelerator/brake pedal is released. Also, when the accelerator is released descending a slope, the truck maintains the initial speed. It is an advanced function unique to Nichiyu.



Safety design for outdoor work in the rain

The FBC provides "IPX3" rainproof enclosure rating, ensuring safe operation outdoors in the rain. Even if the truck body is exposed to rain falling vertically or at angles of up to 60°, it will not be adversely affected.



Neutral safety function and battery emergency lever

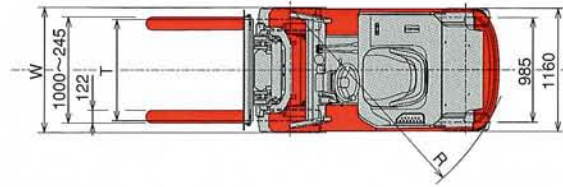
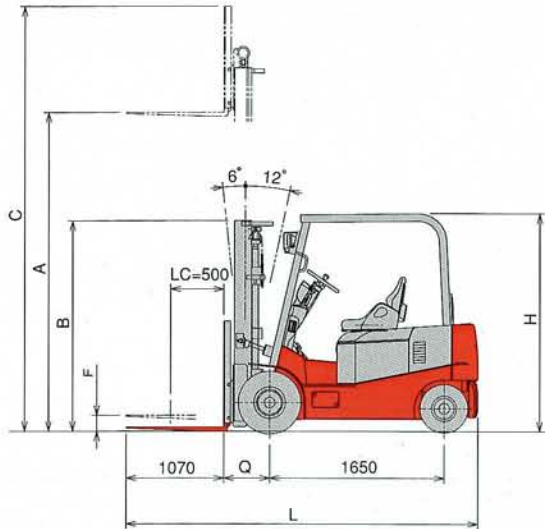
The neutral safety function prevents unintended operation even if the key switch is accidentally turned ON when the accelerator/hydraulic lever is activated. Also, the FBC is equipped with a lever that enables a seated operator to connect or disconnect the battery plug.

Maintenance-free

Through AC control for traveling and hydraulic operations, the FBC eliminates motor brushes and contactors. It needs no maintenance costs for engine oil, element, fan belt and clutch maintenance, which is essential for engine powered forklift trucks.

Counter Balanced Type FBC-70 Series

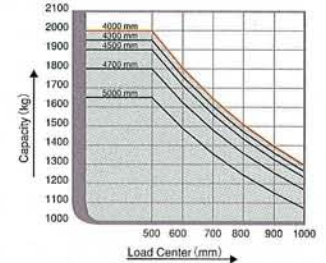
● Standard Specifications



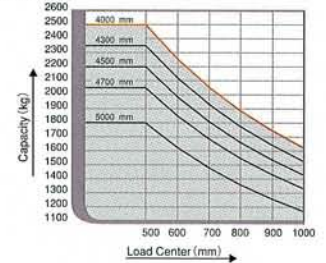
Models				FBC20	FBC25	FBC30	
Performance	Capacity			kg	2000	2500	3000
	Load Center			mm	500		
	Lifting Height			A mm	3000		
	Free Lift			F mm	150		155
	Lift Speed	Laden		mm/s	450		400
		Unladen		mm/s	600		550
	Travel Speed	Laden	Pneumatic, Single	Std.	km/h	16.5	15.0
			No-puncture, Single	Opt.	km/h	15.5	14.0
		Unladen	Pneumatic, Single	Std.	km/h	18.5	16.5
			No-puncture, Single	Opt.	km/h	17.5	15.5
Min. Turning Radius			R mm	2155		2210	
Min. intersecting aisle width			mm	1920 +200*		1985 +200*	
Gradeability (Laden/Unladen)			%	19/25		16/22	
Dimensions	Overall Length			L mm	3475		3555
	Overall Width	Single	Std.	W mm	1175		1240
		Double(PW)	Opt.	mm	1535		—
	Overall Height	Overhead Guard		H mm	2050		
		Mast Lowered		B mm	1980		
		Mast Extended		C mm	4000		
	Fork L×T×W			mm	1070×36×122	1070×40×122	1070×44×122
	Wheelbase			mm	1650		
	Road Clearance			mm	95		
	Front Overhang			Q mm	435		470
Tread	Front		T mm	955		1005	
	Rear		mm	985			
Service Weight (W/O Battery)			kg	3025	3025	3355	
Tyres	Front	Pneumatic, Single	Std.	23×9—10—16PR		23×9—10—20PR	
		No-puncture, Single	Opt.	23×9—10 SOLID			
	Rear	Pneumatic, Double	Opt.	6.50—10—10PR			
		No-puncture, Single	Opt.	18×7—8 SOLID			
Motor	Traction		60min. Rating Control	kw	10.0		
	Hydraulic		5min. Rating Control	kw	20.0		
	Power Steering		60min. Rating Control	kw	1.8		
Battery	Volts/Ampere hrs(5HR)			V/Ah	70/370	70/470	70/600
	Mass(with Case)			kg	905	1225	1475
Charger	Automatic Stationary Charger						
	Input	Capacity		φ V	3/200		
			KVA	11	12.8	12.8	

*: Clearance

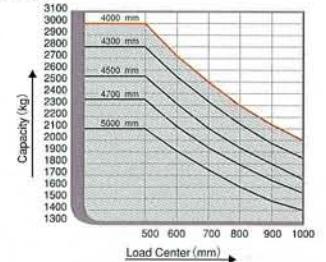
FBC20P



FBC25P



FBC30P



ISO9001 Certified



JQA2390

NICHIBU

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All specifications are confirmed based on manufacturer's terms and conditions.
All specifications are subject to change without notice in the interest of continued improvement or modifications.

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