

ELECTRIC LIFT TRUCK STAND-ON REACH TRUCKS

Multi-Directional Type
FBRO10-25



Only the Multi combines high-efficiency operation with space-saving design

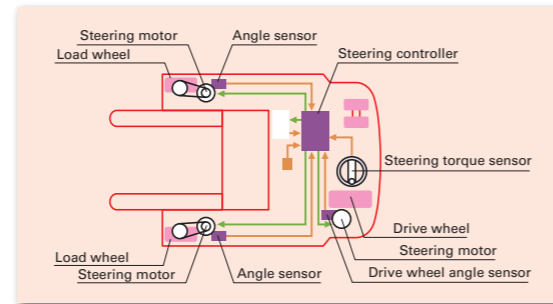


Platter MULTI-DIRECTIONAL TYPE

Now easier than ever before
Provides even beginners with complete freedom of operation.

The front two wheels are automatically controlled according to drive mode (Multi Mode 3WS)

Multi-directional drive is provided by a steering controller incorporating a 32-bit RISC microprocessor that independently controls the rear drive wheel and front load wheels. The microprocessor maintains the left and right load wheels at the optimum angle in response to the steering angle of the drive wheel and according to the selected drive mode. What's more, the overall width is only 1,250 mm, ensuring a drive feel similar to that of a standard vehicle while allowing even beginners to operate the vehicle with ease.



The Multi-Mode Control Box provides at-a-glance confirmation of wheel orientation and driving direction

Multi-directional drive is provided by five driving modes, each of which can be selected at a touch. In addition, the display panel serves as a wheel indicator for the drive wheel and load wheels while also displaying the current mode and steering wheel position. This provides the operator with at-a-glance confirmation of the orientation of each wheel and the driving direction.



Only the Multi provides the freedom and versatility of 360 degree change of direction

Multi-directional drive is provided through five driving modes. Each mode is instantly available at a touch.

Right angle turn mode (Reverse phase mode)

This turn is a pivot centered on the side of the fork unit. It allows easy maneuvering of tight 90 degree turns.

The side-centered pivot reduces the alley width required for 90 degree turns.

Sideways travel mode (Dedicated sideward driving mode)

Provides stable sideward travel. Also ideally suited to conveyance of elongated loads.

Provides significant space savings for conveyance of elongated loads.

Parallel travel mode (Same phase mode)

Provides the shortest travel in multiple directions while maintaining fork angle position.

Effectively utilizes dead space in branch alleys.

Diagonal travel mode

Allows free adjustment of fork position during angled travel.

Short-distance travel for loading operations requiring various changes in angle.

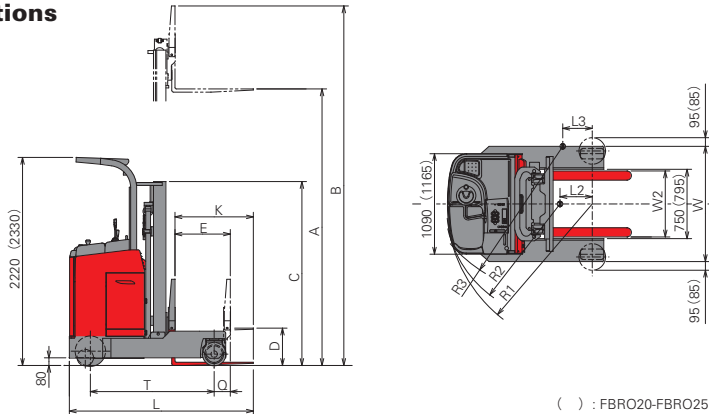
360° rotation mode

A pivot turn around the center of the fork unit. Allows on-the-spot changes of direction.

Handles cross-alley pallet shifts in the narrowest alleys without requiring a reversal.

STAND-ON REACH TRUCK MULTI-DIRECTIONAL TYPE

Standard Specifications



() : FBRO20-FBRO25

Models		FBRO10H	FBRO13H	FBROA13H	FBRO14	FBROA14	FBRO15	FBROA15	FBRO18	FBROA18	FBRO20	FBROA20	FBRO25	FBROA25	
Performance	Capacity	kg	1000	1250	1350		1500		1800		2000		2500		
	Load Center	mm	500												
	Lifting Height	A mm	3000	3000	4000	3000	4000	3000	4000	3000	4000	3000	4000	3000	4000
	Free Lift	D mm	405		310		300		290		400		270		
	Lift Speed	Laden	mm/s	340	320	310		300		290		490		270	
		Unladen	mm/s	540		540		540		490		490		270	
	Travel Speed	Laden	km/h	9.5 (5.0)**		9.5 (5.0)**		9.5 (5.0)**		10.0 (5.0)**		9.5 (5.0)**		9.5 (5.0)**	
		Unladen	km/h	10.5 (5.0)**		10.5 (5.0)**		10.5 (5.0)**		11.5 (5.0)**		11.5 (5.0)**		11.5 (5.0)**	
	Gradeability (3 min rating 1.5km/h and over)	Laden	%	10											
		Unladen	%	14.3											
Min. Turning Radius	360° Rotation	R2 mm	1150	1200	1220	1180		1190	1230	1240		1630		1640	
	Right Angle Rotation	R3 mm	1510		1550	1540		1570	1620		1630	1640			
	Standard	R1 mm	1315	1460	1510	1460	1555	1735		1785	1750	1940	2000		
Guiding Center	360° Rotation	L2 mm	200	350	350	410		590		570	740	740	740	790	
	Right Angle Rotation	L3 mm	170	320	320	380	560		550	720	720	720	760		
Reach Stroke	E mm	420	570	500	600	600	780	780	850	850		870			
Dimensions	Overall Length	L mm	1920	1970	1990		2065	2115	2170		2220		2220		
	Overall Width	W mm	1250		1250		1250		1365		1395		1395		
	Overall Height	Mast Lowered	C mm	1995	2495	1995	2495	1995	2495	1995	2495	2050	2550	2050	2550
		Mast Extended	B mm	3900	4900	3900	4900	3900	4900	3900	4900	3950	4950	3950	4950
	Overhead Guard Height	mm	2220		2220		2220		2330		2330		2330		
	Fork Length	K mm	850		850		920		920		920		920		
	Fork Spread	W2 mm	225~735		225~735		225~735		285~765		285~765		285~765		
	Wheelbase	T mm	1095	1245	1245	1345	1525		1530	1700	1770		1770		
	Front Overhang	Q mm	185		185		190		180		180		180		
	Tread	Front	mm	1090		1090		1090		1195		1200		1200	
Rear		mm	680		680		680		726		726		726		
Road Clearance	mm	80													
Service Weight (w/o Battery)	kg	1750	1870	2020	1870	1920	1860	1960	1930	2070	2490	2600	2580	2710	
Tyres	Load (2pcs.)		Urethane φ254×114				Urethane φ254×114				Urethane φ267×114		Urethane φ267×135		
	Drive (1pc.)		Rubber φ330×145				Rubber φ330×145				Rubber φ380×165		Rubber φ380×165		
	Caster (2pcs.)		Rubber φ178×73				Rubber φ178×73				Rubber φ204×76		Rubber φ204×76		
Battery	V/Ah	48 / 201		48 / 201		48 / 280		48 / 280		48 / 320		48 / 320			
Motor	Travel	60min. Rating	4.3		4.3		5.0		5.0		5.0		5.0		
		Control	Inverter Control												
	Hydraulic	5min. Rating	8.8		8.8		11.0		11.0		11.0		11.0		
		Control	Inverter Control												
Power Steering	60min. Rating	0.3 (3pcs.)		0.3 (3pcs.)		0.3 (3pcs.)		0.3 (3pcs.)		0.3 (3pcs.)		0.3 (3pcs.)			
	Control	Chopper Control													
Charger (Optional)	Input	φ/V	3 / 200												
	Capacity	kVA	3.8		3.8		4.7		4.7		4.7		4.7		

※ () : Parallel / Sideways travel

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.

NICHYU

Nippon Yusoki Co., Ltd.

1-1, 2-Chome, Higashikotari, Nagaokakyo-shi, Kyoto 617-8585 JAPAN
Tel: +81-(0)75-956-8622 Fax: +81-(0)75-955-0480 URL: <http://www.nichiyunet.co.jp/en>



JQA2390
JQA-EM4909

CAT No.OSD100/K75-1 Printed in Japan 5000/1006(SK)