



Reach Type Stand-up Model
Multi directional

FRB-9

1.0-2.5 ton

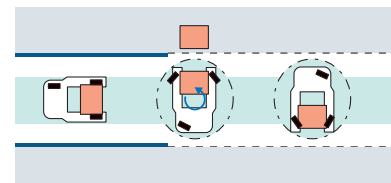
360-degree, multi-directional Free to travel anywhere you want



By simply rotating the accelerator controls, the travel mode changes from standard to transverse.

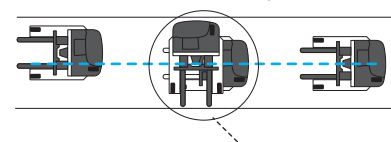
Standard / spin turn mode

The ability to pivot around the center of the chassis allows on-the-spot changes of direction.

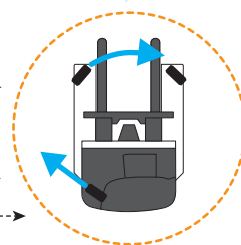


**Minimum
turning radius**
1,225mm*

Multi can handle cross-aisle pallets within the narrowest aisles in spin turn mode.



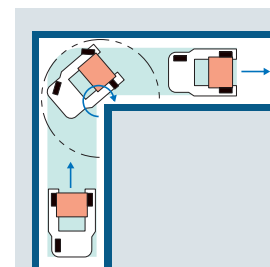
* J-FRB15-9LM W1100mm x L1100mm Pallet



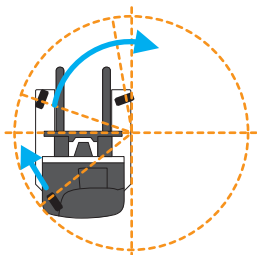
Easy switch to other modes of right angle turn or diagonal travel, by pushing each button.

Extra standard / right angle turn mode

This mode enables a pivot around the side of the chassis, allowing easy maneuvering in tight 90-degree turns.

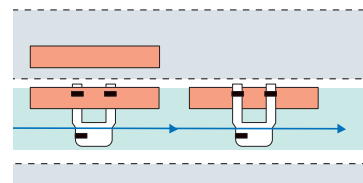


The side-centered pivot reduces the aisle width required for 90-degree turns.



Transverse mode

Provides stable sideways travel, which is ideally suited for transporting elongated loads.



Provides significant space savings for transporting elongated loads.

The travel direction can be controlled intuitively.



Standard travel
(forward /backward)



By rotating
the accelerator
controls...



Transverse travel

Operator compartment is all about easier operation

Glove compartment and flat top panel for documents

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

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 comfortable posture during operation.

Large waist pad for reduced operator fatigue

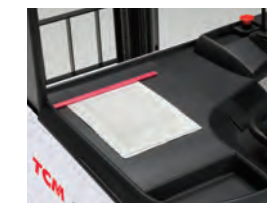
The enlarged waist pad features soft touch materials and helps the operator maintain posture.

Hand grip assists easy ingress and egress



Mode controller

Accelerator controls



Magnet-compatible flat top panel

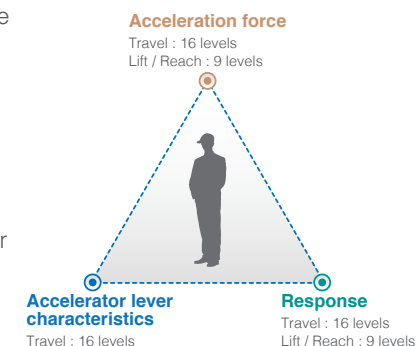


Glove compartment

Operation characteristics customizing system

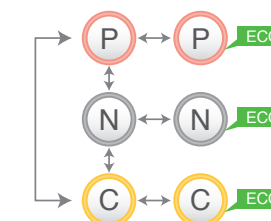
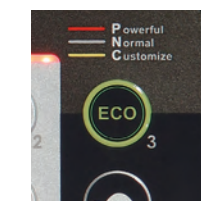
It provides flexibility in setting the operation characteristics to match the operator's skill

Through adjustments to the acceleration force, response, and accelerator lever characteristics, the vehicle's response to travel and hydraulic control 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.



The Eco switch contributes to increased energy efficiency

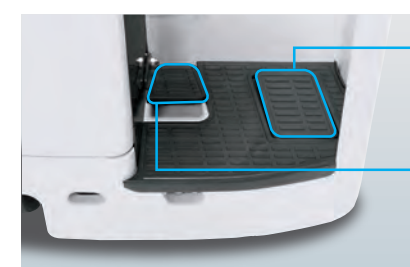
In addition to P (Powerful), N (Normal) and C (Customize) modes, this mode features an Eco setting. In Eco mode, daily electricity consumption is cut by 15% by controlling maximum performance such as travel speed and lift speed. Use the Eco switch to reduce your ongoing electricity consumption when maximum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



Safety features enable the operator to concentrate on the work at hand

New pedal incorporating a presence switch

The right side of the operator's platform incorporates an independent pedal with a presence switch. This ensures operation with 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. *1.0t and 1.5t models



New pedal with
presence switch

Brake pedal
(deadman type, releases
when depressed)

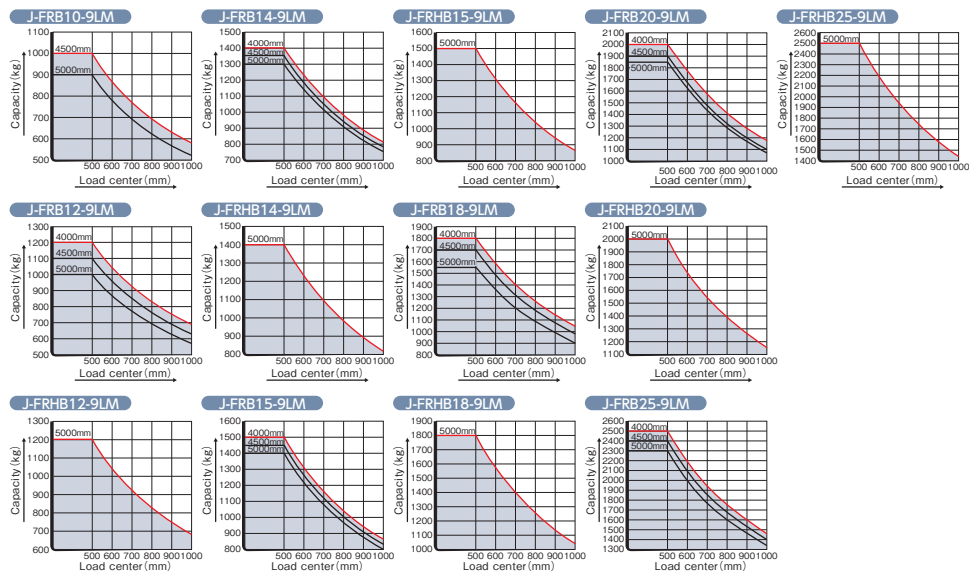
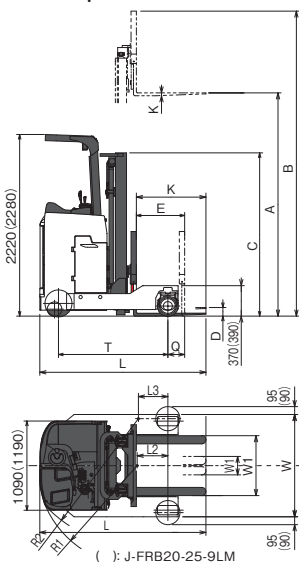
Safety Cruise

After temporarily stopping on an incline and releasing the brake, the vehicle will descend only at very low speed until the accelerator is applied and travel is easily resumed.

Password Entry System (Option)

For security to prevent misuses of trucks by unauthorized operators, FRB is equipped with this new system, whereby operators have to input their individual code numbers to release the lock before start up the truck.

Standard specification



Models			J-FRB10-9LM	J-FRB12-9LM	J-FRB14-9LM	J-FRB15-9LM	J-FRB18-9LM	J-FRB20-9LM	J-FRB25-9LM						
Dimensions	Capacity	kg	1000	1200	1400	1500	1800	2000	2500						
	Load Center	mm	500												
	Lifting Height	A mm	3000	3000	4000	3000	4000	3000	4000						
	Free Lift	D mm	105	400	105	400	105	400	110						
	Tilt Angle	Upward / Downward deg	5 / 3												
	Fork Size	L / W / T mm	850 / 100 / 35	850 / 100 / 35	920 / 100 / 38	920 / 122 / 40									
	Fork Spread	Min / Max mm	225~735	225~735	285~765										
	Overall Length	L mm	1940	2030	2105	2155	2210	2250							
	Reach Stroke	E mm	420	540	600	530	590	590	770						
	Overall Width	W mm	1250	1390											
	Mast Lowered Height	C mm	1995	2495	1995	2495	1995	2495	2050	2550					
	Mast Extended Height	B mm	3900	4900	3900	4900	3900	4900	3950	4950					
Front Overhang	Q mm	195	205	210	200	195									
Minimum Turning Radius	Spin Turn R1 mm	1185	1225	1270	1285	1300									
Right Angle Turn R2 mm	1525	1555	1590	1655	1670										
Guiding Center	Spin Turn L2 mm	175	295	355	315	375	555	565	535	705	755				
Right Angle Turn L3 mm	155	275	335	300	360	540	545	530	700	750					
Performance	Traveling Speed	Laden / Unladen km/h	10.5 / 10.5(5.0 / 5.0)			9.5 / 10.5(5.0 / 5.0)			10.0 / 11.5(5.0 / 5.0)		9.5 / 11.5(5.0 / 5.0)				
	Lifting Speed	Laden / Unladen mm/s	340 / 540			310 / 540			300 / 540		290 / 490				
	Gradeability	%	10 / 14.3												
Service Weight		kg	2040	2060	2160	2190	2300	2260	2380	2290	2480	2980	3150	3070	3230
Chassis	Tire	Load(2pcs.)	φ254×114 / Urethane							φ267×114 / Urethane					
		Drive(1pc.)	φ330×145 / Rubber							φ380×165 / Rubber					
		Caster(2pcs.)	φ178×73 / Rubber							φ204×76 / Rubber					
	Wheelbase	T mm	1085	1205	1265	1275	1335	1515	1515	1685	1755				
Road Clearance		mm	80			80			78						
Battery	Voltage / Capacity (5hr. Rating)	V/Ah	48 / 201			48 / 210		48 / 280		48 / 320					
Motors	Traction Motors	60min. Rating	4.3			4.3			5.0						
		Control	Inverter												
	Hydraulic Motors	5min. Rating	8.8			8.8			11.0						
		Control	Inverter												
	Power Steering Motors	60min. Rating	3pcs.			3pcs.			3pcs.						
		Control	Chopper												
	Charger		Automatic Stationary Charger												
Input		/V													
Capacity		kVA	3.0			3.0		3.6		5.2					

※ () of Travel speed: Diagonal / Transverse mode ※ Gradeability: standard mode

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