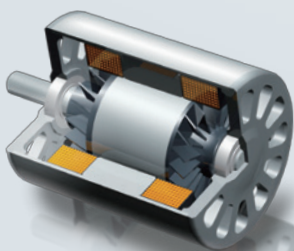


FRB Series

Reach Truck Stand-up Models



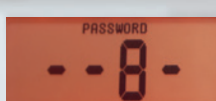
Productivity



AC drive-motor and regenerative brake system provide extra run time.

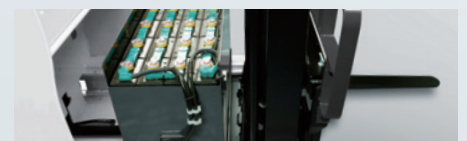
9.0hours (at 55% rating work efficiency
by UNICARRIERS's testing standard)

Comfortable and Safety



Operator comfort and safety features include interlock system, password entry as a standard configuration, and easy access to operator compartment with low step design. The soft floor cushion reduces vibration and shock against operator.

Excellent maneuverability and easy maintenance



The easy-to-read large LCD display indicates sufficient information for operation control and management. Self-diagnosis function supports quick and easy maintenance.

FRB Series

Reach Truck Stand-up Models

STANDARD SPECIFICATIONS

Characteristics	Manufacturer			UNICARRIERS									
	Model			FRB10-8 (FRHB10-8)	FRB13-8 (FRHB13-8)	FRB14-8 (FRHB14-8)	FRB15-8 (FRHB15-8)	FRB18-8 (FRHB18-8)	FRB20-8 (FRHB20-8)	FRB25-8 (FRHB25-8)	FRB30-8 (FRHB30-8)		
	Load Capacity		kg	1000	1250	1350	1500	1800	2000	2500	3000		
	Load Center		mm	500	500	500	500	500	500	500	500		
	Maximum Fork Height		mm	3000 (4000)	3000 (4000)	3000 (4000)	3000 (4000)	3000 (4000)	3000 (4000)	3000 (4000)	3000 (4000)		
Dimensions	Fork Spread (Outside)		Max. / Min.	mm	710 / 250	710 / 250	710 / 250	710 / 250	710 / 250	735 / 290	735 / 290	735 / 290	
	Overall Width			mm	1090	1090	1090	1090	1090	1200	1200	1200	
	Mast Height Fork Lowered			mm	1995 (2495)	1995 (2495)	1995 (2495)	1995 (2495)	1995 (2495)	2035 (2535)	2035 (2535)	2085 (2585)	
	Mast Height Fork Raised			mm	3845 (4845)	3845 (4845)	3845 (4845)	3845 (4845)	3845 (4845)	3930 (4930)	3930 (4930)	3930 (4930)	
	Overhead Guard Height			mm	2245	2245	2245	2245	2245	2300	2300	2300	
	Reach Stroke			mm	405 (555)	555	580	580 (725)	725	650 (795)	795	685	
	Turning Radius (Outside)			mm	1350 (1490)	1490	1560	1560 (1750)	1750	1795 (1965)	1965	2065	
	Load Distance (Centerline of front axle to front face of forks)			mm	170	170	165	165	170	165	165	165	
	Right Angle Stacking Aisle with 1100 x 1100mm pallet (clearance at 100mm each side)			mm	2580 (2590)	2590	2640	2640 (2730)	2730	2830 (2890)	2890	3060	
Performance	Speeds	Travel, Max.1)	Full Load	km/h	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9	
			No Load	km/h	10.5	10.5	10.5	10.5	10.5	11.5	11.5	11	
		Lifting	Full Load	mm/s	330	320	310	310	290	270	250	210	
			No Load	mm/s	540	540	540	540	540	480	480	400	
	Max. Gradeability 2)			Full Load	%	10	10	10	10	10	10	10	10
			No Load	%	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	
Weight	Total Weight		No Battery		kg	1505 (1600)	1640 (1720)	1560 (1645)	1675 (1665)	1750 (1835)	2110 (2245)	2245 (2360)	2490 (2605)
			With Battery 3)		kg	1865 (1960)	2000 (2080)	2055 (2140)	2170 (2160)	2245 (2330)	2690 (2825)	2825 (2940)	3155 (3270)
Chassis & Wheels	Tires	Size	Front, Load		φ 255 × 114 Rubber	φ 255 × 114 Rubber	φ 254 × 114 Urethane	φ 254 × 114 Urethane	φ 254 × 114 Urethane	φ 267 × 135 Urethane	φ 267 × 135 Urethane	φ 267 × 135 Urethane	
			Rear, Drive		φ 334 × 145 Rubber	φ 334 × 145 Rubber	φ 334 × 145 Rubber	φ 334 × 145 Rubber	φ 334 × 145 Rubber	φ 380 × 165 Rubber	φ 380 × 165 Rubber	φ 380 × 165 Rubber	
			Rear, Caster		φ 178 × 73 Rubber	φ 178 × 73 Rubber	φ 178 × 73 Rubber	φ 178 × 73 Rubber	φ 178 × 73 Rubber	φ 204 × 76 Rubber	φ 204 × 76 Rubber	φ 204 × 76 Rubber	
	Wheelbase			mm	1095 (1245)	1245	1345	1345 (1525)	1525	1530 (1700)	1700	1800	
	Tread		Front	mm	975	975	975	975	975	1065	1065	1065	
Rear			mm	680	680	680	680	680	725	725	725		
Power Train	Battery 3)	Voltage / Capacity (5HR)		V/AH	48 / 201	48 / 201	48 / 280	48 / 280	48 / 280	48 / 320	48 / 320	48 / 390	
	Electric Motors	Drive Motor (AC)		kW/60min	4.3	4.3	4.3	4.3	4.3	6.1	6.1	6.1	
		Hydraulic Motor (DC)		kW/5min	8.0	8.0	8.0	8.0	8.0	11.0	11.0	11.0	
		Power Steering Motor (DC)		kW/60min	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Controller Type	Drive Control			FET Inverter	FET Inverter	FET Inverter	FET Inverter	FET Inverter	FET Inverter	FET Inverter	FET Inverter	
		Load Handling Control			FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	
Steering Control			FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper	FET Chopper			

NOTE : 1) S mode figure. 2) Computed Values. 3) Battery is an optional and figures are specified by STD size.