

Standard Specifications

		Item	Summary	Unit	NICHIIYU			
Type	1.2	Model			FBRF14	FBRF16	FBRF20	
	1.3	Rated capacity	with Integral sideshifter	Q kg	1400	1600	2000	
	1.4	Load center		C mm	600	600	600	
	1.5	Motor type			AC	AC	AC	
	1.6	Operator type	Stand-on / Seated		Seated	Seated	Seated	
	Dimensions	2.1	Lift height		H ₃ +s mm	6500	6500	6500
2.2		Free lift		H ₂ +s mm	1915	1915	1925	
2.3		Tilt angle	For- / Back-ward <F:Down / Up>/β	deg.	<Fork> 2 / 5	<Fork> 2 / 5	<Fork> 2 / 5	
2.4		Fork	Finger bar		Hook type	Hook type	Hook type	
2.5			Dimensions (L / W / T)	l/b/s mm	1070 / 100 / 35	1070 / 122 / 40	1070 / 122 / 40	
2.6			Spread (Max / Min)	B ₅ mm	715 / 200	737 / 292	737 / 292	
2.7		Length	OA. length	L ₁ mm	2280	2280	2360	
2.8			Frame	L ₇ mm	1730	1830	1890	
2.9			to Fork face	L ₂ mm	1210	1210	1290	
2.10		Reach stroke		L ₄ mm	555	655	625	
2.11		Width	OA. width	B mm	1270	1270	1334	
2.12			Between legs	B ₄ mm	932	932	915	
2.13			Frame	B ₂ mm	1270	1270	1270	
2.14		Height	Leg	H ₈ mm	275	275	291	
2.15			Mast lowered	H ₁ mm	2815	2815	2825	
2.16			Mast extended	H ₄ mm	7400	7400	7400	
2.17			Overhead guard	H ₆ mm	2160	2160	2190	
2.18		Overhang	Reach out	mm	180	180	180	
2.19		Min. turning radius		Wa mm	1610	1705	1755	
2.20		Min. 90° turning aisle *1)	W800 x L1200 Pallet	mm	1825	1870	1920	
			W1200 x L1200 Pallet	mm	1825	1870	1920	
	Min. 90° stacking aisle *1)	W800 x L1200 Pallet	mm	2520	2535	2610		
		W1200 x L1200 Pallet	mm	2630	2645	2720		
Performance	3.1	Travel speed	Laden / Unladen	km/h	12 / 12	12 / 12	12 / 12	
	3.3	Lifting speed	Laden / Unladen	mm/s	370 / 560	370 / 560	300 / 460	
	3.4	Lowering speed	Laden / Unladen	mm/s	500 / 400	500 / 400	500 / 400	
	3.5	Reach speed	Laden / Unladen	mm/s	150 / 200	150 / 200	150 / 200	
	3.6	Gradeability		%	10 / 15	10 / 15	10 / 15	
	Mass	4.1	Service weight	W/O Battery	kg	2400	2450	2800
4.2		Axle loading	Reach-in	Laden (Load / Drive)	kg	2550 / 1250	2690 / 1360	3320 / 1480
4.3				Unladen (Load / Drive)	kg	920 / 1480	955 / 1495	1115 / 1685
4.4			Reach-out	Laden (Load / Drive)	kg	3040 / 760	3260 / 790	3880 / 920
4.5				Unladen (Load / Drive)	kg	1410 / 990	1520 / 930	1675 / 1125
Chassis	5.1	Tyres : Number	Load / Drive / Caster		2 / 1 / -	2 / 1 / -	2 / 1 / -	
	5.2	Tyres	Load	mm	φ254X114 (Solid)	φ254X114 (Solid)	φ267X135 (Urethane)	
	5.3		Drive	mm	φ330X145 (Urethane)	φ330X145 (Urethane)	φ380X165 (Urethane)	
	5.4		Caster	mm	-	-	-	
	5.5	Wheelbase		y mm	1350	1450	1500	
	5.6	Tread	Load	mm	1156	1156	1199	
			Drive	mm	0	0	0	
	5.8	Ground clearance	Middle of wheelbase	F mm	70	70	80	
	5.9	Service brake	Mech. / Hydr. / Electr. / Pneum.		Electr.	Electr.	Electr.	
	5.10	Parking brake	Foot / Hand / Deadman		Deadman	Deadman	Deadman	
Motors	6.1	Battery	Type		DIN C* ²⁾	DIN C* ²⁾	DIN C* ²⁾	
	6.2		Volts / Ampere hrs (5HR)	V/Ah	48 / 370-450	48 / 370-450	48 / 480-550	
	6.3		Mass (with case)	kg	750	750	940	
	6.4	Drive motor	60min. rating	kw	6.0	6.0	7.0	
	6.5		control		Inverter	Inverterr	Inverter	
	6.6	Hydraulic motor	5min. rating	kw	12.0	12.0	12.0	
	6.7		control		Inverter	Inverter	Inverter	
	6.8	Power steering motor	60min. rating	kw	0.55	0.55	0.55	
	6.9		control		Chopper	Chopper	Chopper	
	6.10	Charger	Type (Built-in / Stationary)		Stationary	Stationary	Stationary	
7.1	Operating pressure	for Attachments	MPa	15.7	17.2	17.2		

*1) No clearance included. *2) BS type battery is also available.