

Standard Specifications

		Item	Summary	Unit	NICHYU			
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	6000	6000	6000
2.2		Free lift		H ₂ +s mm	1765	1765	1775	
2.3		Tilt angle <Fork>	Downward / Upward		deg. 2 / 5	2 / 5	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			OA. length	L ₁ mm	2280	2280	2360	
2.8		Length	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	2665	2665	2675	
2.16			Mast extended	H ₄ mm	6900	6900	6900	
2.17			Overhead guard	H ₆ mm	2160	2160	2190	
2.18		Overhang	Reach out	X 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	
2.21	Min. 90° stacking aisle ^{*1)}	W800 x L1200 Pallet	Ast mm	2520	2535	2610		
		W1200 x L1200 Pallet	Ast 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	2365	2415	2730
4.2		Axle loading Incl. Battery (6.3)	Reach-in	Laden (Load / Drive)	kg	2785 / 1730	2910 / 1855	3590 / 2080
4.3				Unladen (Load / Drive)	kg	1150 / 1965	1170 / 1995	1380 / 2290
4.4			Reach-out	Laden (Load / Drive)	kg	3835 / 680	4180 / 585	4955 / 715
4.5				Unladen (Load / Drive)	kg	1630 / 1485	1720 / 1445	1915 / 1755
Chassis	5.1	Tyres : Number	Load / Drive / Caster		2 / 1 / -	2 / 1 / -	2 / 1 / -	
	5.2	Tyres	Load	mm	ø254x114 (Urethane)	ø254x114 (Urethane)	ø267x135 (Urethane)	
	5.3		Drive	mm	ø330x145 (Urethane)	ø330x145 (Urethane)	ø380x165 (Urethane)	
	5.4		Caster	mm	-	-	-	
	5.5	Wheelbase		y mm	1350	1450	1500	
	5.6	Tread	Load	mm	1156	1156	1199	
	5.7		Drive	mm	-	-	-	
	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 / 360-420	48 / 360-420	48 / 480-560	
	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	Inverter	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.