

Standard Specifications

		Item	Summary	Unit	NICHIYU	NICHIYU	NICHIYU	NICHIYU	
Type	1.2	Model			FBT13	FBT15	FBT18	FBT20	
	1.3	Rated capacity		Q kg	1250	1500	1750	2000	
	1.4	Load center		C mm	500	500	500	500	
	1.6	Operator type	Stand-on / Seated		Seated	Seated	Seated	Seated	
Dimensions	2.1	Lift height		H ₃ +s mm	3000	3000	3000	3000	
	2.2	Free lift		H ₂ +s mm	145	145	145	150	
	2.3	Tilt angle	For-/Back-ward <F:Down/Up>	α/β deg.	<Mast> 5 / 6	<Mast> 5 / 6	<Mast> 5 / 6	<Mast> 5 / 6	
	2.4		Carriage		Class II A	Class II A	Class II A	Class II A	
	2.5	Fork	Dimensions (L / W / T)	l/b/s mm	1070 / 100 / 35	1070 / 100 / 35	1070 / 100 / 38	1070 / 122 / 40	
	2.6		Spread (Max / Min)	B ₅ mm	900 / 200	900 / 200	900 / 200	1000 / 245	
	2.7	Length	Overall length	L ₁ mm	2830	2930	2975	3155	
	2.8		to fork face	L ₂ mm	1760	1860	1905	2085	
	2.9	Width	Overall width	B mm	1070	1070	1070	1070	
	2.10	Height	Mast lowered	H ₁ mm	1980	1980	1980	1980	
	2.11		Mast extended	H ₄ mm	4000	4000	4000	4000	
	2.12		Overhead guard	H ₆ mm	1985	1985	1985	1985	
	2.13	Overhang	Front overhang		mm	360	360	390	
	2.14	Min. turning radius		Wa mm	1400	1500	1545	1695	
	2.15	Min. 90° turning aisle ^{**1)}	1100 x 1100 Pallet		mm	1770	1800	1815	1880
	2.16	Min. 90° stacking aisle ^{**1)}	1100 x 1100 Pallet		mm	2960	3060	3105	3285
Performance	3.1	Travel speed	Laden / Unladen	km/h	15.0 / 16.5	15.0 / 16.5	14.5 / 16.0	14.0 / 15.5	
	3.3	Lifting speed	Laden / Unladen	mm/s	400 / 610	380 / 610	360 / 610	300 / 500	
	3.4	Lowering speed	Laden / Unladen	mm/s	500 / 500	500 / 500	500 / 500	500 / 500	
	3.5	Max. drawbar pull	3min. rating, 1.5km/h and over	N	6320	6320	6320	6320	
	3.6	Max. gradeability	3min. rating, 1.5km/h and over	%	20 / 20	18 / 20	15 / 20	14 / 17	
Mass	4.1	Service weight	w/o battery (6.3)	kg	2155	2185	2380	2655	
	4.2	Axle loading	Laden (Front / Rear)	kg	3445 / 520	3835 / 485	4235 / 580	4760 / 580	
	4.3		Unladen (Front / Rear)	kg	1280 / 1435	1320 / 1500	1305 / 1760	1460 / 1880	
Chassis	5.1	Tyres : Number	Front / Rear (X=Drive)		2X / 2	2X / 2	2X / 2	2X / 2	
	5.2	Tyres	Front	mm	18x7-8-14PR	18x7-8-14PR	18x7-8-16PR	18x7-8 (N.P.) ^{**2)}	
	5.3		Rear	mm	15x4 ¹ / ₂ -8-12PR	15x4 ¹ / ₂ -8-12PR	15x4 ¹ / ₂ -8 (N.P.) [*]	16x6-8-10PR	
	5.4	Wheelbase		y mm	1200	1300	1300	1420	
	5.5	Tread	Front	mm	895	895	895	895	
	5.6		Rear	mm	250	250	250	230	
	5.7	Ground clearance	Min.	mm	75	75	75	75	
	5.8		Middle of wheelbase	F mm	95	95	95	95	
	5.9	Service brake	Mech. / Hydr. / Electr. / Pneum.			Hydr.	Hydr.	Hydr.	Hydr.
	5.10	Parking brake	Foot / Hand / Deadman			Hand	Hand	Hand	Hand
Motors	6.1	Battery	Type		BS/JIS <DIN>	BS/JIS <DIN>	BS/JIS <DIN>	BS/JIS <DIN>	
	6.2		Volts / Ampere hrs (5HR)	V/Ah	48 / 320	48 / 350	48 / 390	48 / 390	
	6.3		Mass (with case)	kg	540	610	670	680	
	6.4	Drive motor	60min. rating	kw	2 x 4.5	2 x 4.5	2 x 4.5	2 x 4.5	
	6.5		control			Inverter	Inverter	Inverter	Inverter
	6.6	Hydraulic motor	5min. rating	kw	9.5	9.5	9.5	9.5	
	6.7		control			Inverter	Inverter	Inverter	Inverter
	6.8	Power steering motor	60min. rating	kw	0.3	0.3	0.3	0.45	
	6.9		control			Chopper	Chopper	Chopper	Chopper
	6.10		Type (Built-in / Stationary)			Stationary	Stationary	Stationary	Stationary
	6.12	Charger	Input	ϕ / V	3 / 200	3 / 200	3 / 200	3 / 200	
	6.13		Capacity	kVA	4.7	6.5	6.5	6.5	
	7.1	Operating pressure	for Attachments	MPa	13.7	13.7	15.7	15.7	

Above specifications are based on the standard truck with 3 meters simplex mast. They may vary by mast type & lifting height, tyres, battery capacity and/or warming up condition.

*1) No clearance included

**2) N.P. : No puncture tyre