

STANDARD SPECIFICATIONS

Type	Item	Summary	Unit	STANDARD SERIES								HIGH SPEED (U) SERIES						
				FB10P	FB14P	FB15P	FB18P	FB20P	FB25P	FB28P	FB30P	FB10P-U	FB14P-U	FB15P-U	FB18P-U	FB20P-U	FB25P-U	
Type	1.2 Model			FB10P	FB14P	FB15P	FB18P	FB20P	FB25P	FB28P	FB30P	FB10P-U	FB14P-U	FB15P-U	FB18P-U	FB20P-U	FB25P-U	
	1.3 Rated Capacity	Q	kg	1000	1350	1500	1750	2000	2500	2750	3000	1000	1350	1500	1750	2000	2500	
	1.4 Load Center	C	mm	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	1.6 Operator Type	Stand-on / Seated		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	
Dimensions	2.1 Lift Height	H ₃ +s	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
	2.2 Free Lift	H ₂ +s	mm	145	145	145	145	150	150	155	155	145	145	145	145	150	150	
	2.3 Tilt Angle	For-/Back-ward <F:Down/Up>	deg.	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	<Mast> 6 / 12	
	2.4	Carriage		Class II	Class II	Class II	Class II	Class II	Class II	Class III	Class III	Class II	Class II	Class II	Class II	Class II	Class II	
	2.5 Fork	Dimensions (L/W/T)	l/b/s	mm	1070 / 100 / 35	1070 / 100 / 35	1070 / 100 / 35	1070 / 100 / 35	1070 / 122 / 36	1070 / 122 / 40	1070 / 122 / 44	1070 / 122 / 44	1070 / 100 / 35	1070 / 100 / 35	1070 / 100 / 35	1070 / 100 / 35	1070 / 122 / 36	1070 / 122 / 40
	2.6	Spread (Max/Min)	B _s	mm	900 / 200	900 / 200	900 / 200	900 / 200	1000 / 245	1000 / 245	1000 / 245	1000 / 245	900 / 200	900 / 200	900 / 200	900 / 200	1000 / 245	1000 / 245
	2.7 Length	OA. Length	L ₁	mm	3035	3035	3035	3080	3285	3345	3410	3580	3035	3035	3035	3080	3285	3345
	2.8	to Fork face	L ₂	mm	1965	1965	1965	2010	2215	2275	2340	2510	1965	1965	1965	2010	2215	2275
	2.9 Width	OA. Width	B	mm	1050	1050	1090	1090	1175	1175	1175	1180	1050	1050	1090	1090	1175	1175
	2.10	Mast lowered	H ₁	mm	1980	1980	1980	1980	1980	1980	1980	2215	1980	1980	1980	1980	1980	1980
	2.11 Height	Mast extended	H ₄	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
	2.12	Overhead Guard	H ₆	mm	2110	2110	2110	2110	2110	2110	2110	2225	2110	2110	2110	2110	2110	2110
	2.13 Overhang	Front overhang	X	mm	395	395	395	400	425	425	445	475	395	395	395	400	425	425
	2.14 Min. Turning Radius		Wa	mm	1710	1710	1710	1725	1950	2005	2060	2240	1710	1710	1710	1725	1950	2005
	2.15 90° Turning Aisle	1100 x 1100 Pallet (included 200mm for clearance)		mm	1970	1970	1970	1980	2090	2120	2150	2205	1970	1970	1970	1980	2090	2120
	2.16 90° Stacking Aisle	1100 x 1100 Pallet (included 200mm for clearance) Ast		mm	3405	3405	3405	3425	3675	3730	3805	4015	3405	3405	3405	3425	3675	3730
Performance	3.1 Travel Speed	Laden / Unladen	km/h	14.0 / 16.0	14.0 / 16.0	14.0 / 16.0	13.5 / 15.5	14.0 / 16.0	13.5 / 15.5	13.0 / 15.0	13.5 / 15.5	16.0 / 18.0	16.0 / 18.0	16.0 / 18.0	15.5 / 17.5	15.5 / 17.5	15.0 / 17.0	
	3.3 Lifting Speed	Laden / Unladen	mm/s	370 / 540	340 / 540	320 / 540	310 / 540	280 / 470	260 / 470	250 / 410	320 / 550	470 / 650	440 / 650	420 / 650	380 / 650	360 / 600	340 / 600	
	3.4 Lowering Speed	Laden / Unladen	mm/s	550	550	550	550	550	550	550	450	550	550	550	550	550	550	
	3.5 Max. Drawbar pull	3min. rating, 1.5km/h and over		kN														
	3.6 Max. Gradeability	3min. rating, 1.5km/h and over		%	22.0	20.0	19.0	17.0	19.0	16.0	14.0	16.0	22.0	20.0	19.0	17.0	19.0	16.0
	Mass	4.1 Service Weight	Incl. Battery (6.3)	kg	2695	2830	2950	3125	3680	4185	4400	4770	2695	2830	2950	3125	3680	4185
4.2 Axle Loading		Laden (Front/Rear)	kg	2980 / 655	3565 / 615	3855 / 595	4285 / 590	4935 / 745	5740 / 945	6160 / 990	6735 / 1035	2980 / 655	3565 / 615	3855 / 595	4285 / 590	4935 / 745	5740 / 945	
4.3		Unladen (Front/Rear)	kg	1265 / 1370	1250 / 1580	1280 / 1670	1260 / 1860	1605 / 2075	1560 / 2625	1555 / 2845	1935 / 2835	1265 / 1370	1250 / 1580	1280 / 1670	1260 / 1860	1605 / 2075	1560 / 2625	
Chassis	5.1 Tyres : Number	Front/Rear (X=Drive)		2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	
	5.2 Tyres	Front	mm	6.00-9-10PR	6.00-9-10PR	21x8-9-14PR	21x8-9-14PR	23x9-10-16PR	23x9-10-16PR	23x9-10-16PR	28x9-15-12PR	6.00-9-10PR	6.00-9-10PR	21x8-9-14PR	21x8-9-14PR	23x9-10-16PR	23x9-10-16PR	
	5.3	Rear	mm	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	18x7-8-14PR	18x7-8-14PR	18x7-8-14PR	6.50-10-10PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	18x7-8-14PR	18x7-8-14PR	
	5.4 Wheelbase	y	mm	1250	1250	1250	1250	1400	1400	1400	1600	1250	1250	1250	1250	1400	1400	
	5.5 Tread	Front	mm	890	890	900	900	955	955	955	955	890	890	900	900	955	955	
	5.6	Rear	mm	900	900	900	900	945	945	945	980	900	900	900	900	945	945	
	5.7 Ground Clearance	Min.	mm	95	95	95	95	95	95	95	130	95	95	95	95	95	95	
	5.8	Middle of wheelbase	F	mm	110	110	110	110	110	110	110	235	110	110	110	110	110	
	5.9 Service Brake	Mech./Hydr./Electr./Pneum.			Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	Hydr.	
	5.10 Parking Brake	Foot/Hand/Deadman			Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand	
Motors	6.1 Battery	Type		BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	BS / JIS	
	6.2	Volts/Ampere hrs (5HR)	V/Ah	48 / 330	48 / 330	48 / 400	48 / 400	48 / 450	48 / 565	48 / 565	72 / 450	48 / 330	48 / 330	48 / 400	48 / 400	48 / 450	48 / 565	
	6.3	Mass (with case)	kg	630	630	740	740	820	880	880	1240	630	630	740	740	820	880	
	6.4 Drive Motor	60min. rating	kw	9.0	9.0	9.0	9.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	10.0	10.0	
	6.5	control		IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	
	6.6 Hydraulic Motor	5min. rating	kw	9.5	9.5	9.5	9.5	9.5	12.0	12.0	15.0	12.0	12.0	12.0	12.0	12.0	13.5	14.0
	6.7	control		IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	IGBT Inverter	
	6.8 Power Steering Motor	60min. rating	kw	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	
	6.9	control		TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	
	6.10	Type (Built-in/Stationary)		Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	Stationary	
	6.12 Charger (option)	Input	ø/V	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	3 / 200	
	6.13	Capacity	kVA	4.7	4.7	6.5	6.5	6.5	8.1	8.1	12.0	4.7	4.7	6.5	6.5	6.5	8.1	
	7.1 Operating Pressure	for Attachments	MPa	13.7	13.7	13.7	15.7	15.7	17.2	15.7	17.2	13.7	13.7	13.7	13.7	15.7	17.2	