

## 0.GENERAL

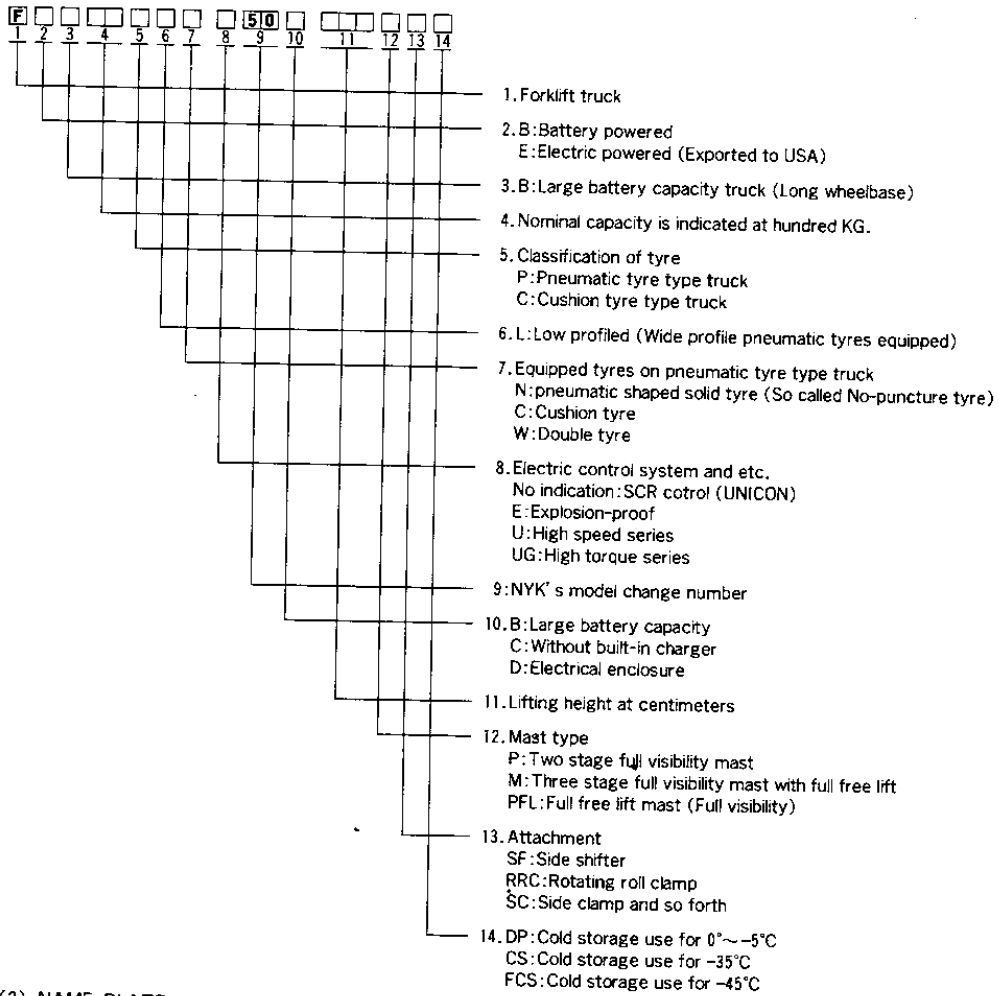
0-1 MODEL NAME AND NAME PLATE .....	3
0-2 POSITION OF SERIAL NUMBERS ON FRAME AND COMPONENTS .....	4
0-3 SPECIFICATIONS .....	5
0-4 STABILITY OF TRUCKS .....	11
0-5 BEFORE STARTING TO WORK .....	12

# 0. GENERAL

## 0-1 MODEL NAME AND NAME PLATE

### (1) MODEL CODING SYSTEM

Table 1



### (2) NAME PLATE

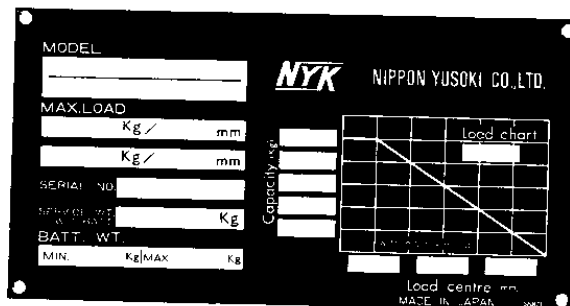


Fig. 0-1 Name plate

**0-2 POSITION OF SERIAL NUMBERS ON  
FRAME AND COMPONENTS**

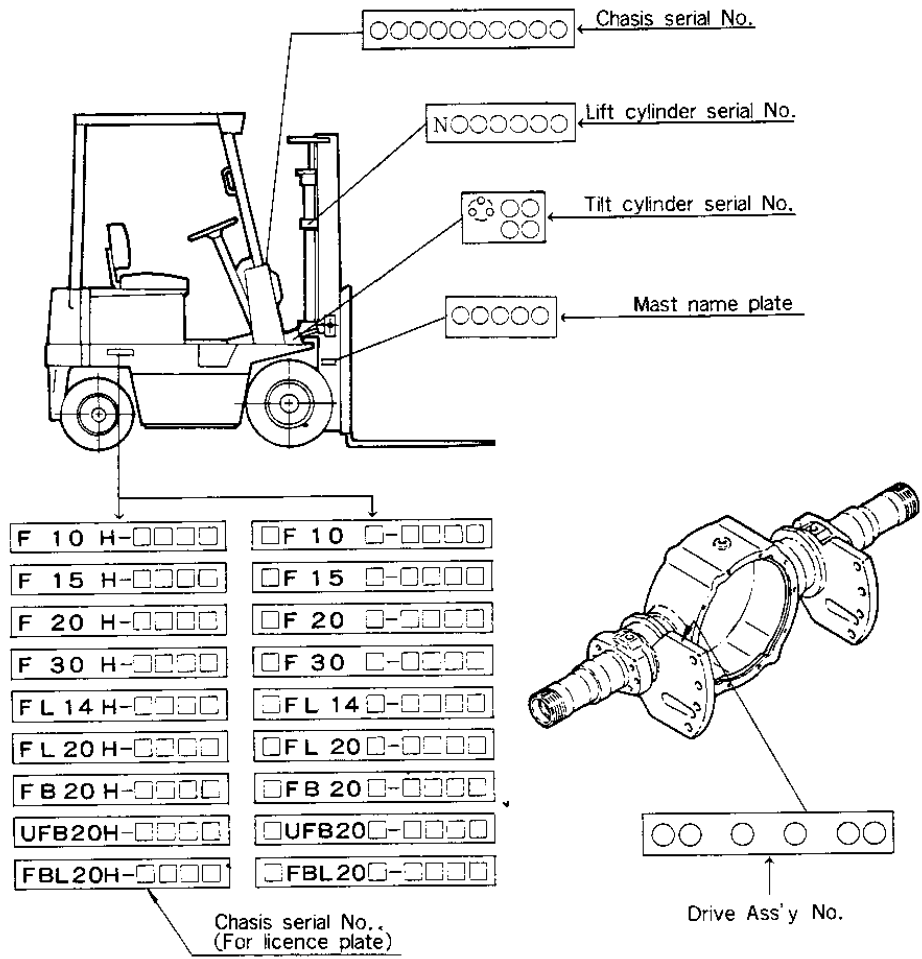


Fig.0-2 Position of serial numbers

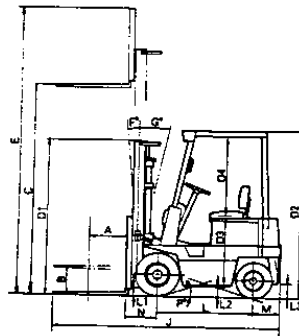
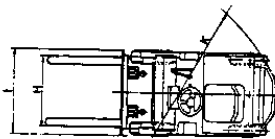
### 0-3 SPECIFICATIONS

Note) Specifications are subject to change without notice.

(1) Standard type

Table 2

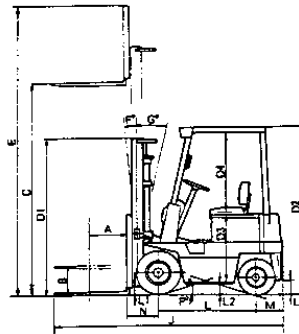
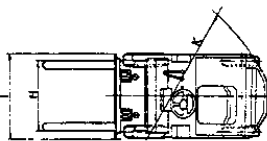
TYPE/SERIES			Standard Wheelbase (FB1P) Series							
MODEL			FB10P-300P	FB14P-360P	FB15P-300P	FB18P-300P	FB20P-300P	FB25P-300P	FB28P-300P	
1	Capacity	kg	1000	1350	1500	1750	2000	2500	2750	
2	Load center	A mm	500	500	500	500	500	500	500	
3	Lift height	C mm	3000	3000	3000	3000	3000	3000	3000	
4	Free lift height	B mm	360	360	360	360	360	360	360	
5	Tilt angle (Fwd./Bwd.)	F/G Deg.	6/12	6/12	6/12	6/12	6/12	6/12	6/12	
6	Lifting speed (Loaded/Unloaded)	mm/s	280/470	290/470	280/470	270/450	250/400	230/400	220/340	
7	Lowering speed (Loaded/Unloaded)	mm/s	520/560	490/560	480/560	470/560	440/470	440/470	440/470	
8	Travel speed (Loaded/Unloaded)	km/h	11/13	11/13	11/13	11/13	12/14	11.5/14	12/14	
9	Fork rated capacity at lift height	mm	4000	3700	3700	3700	3700	3700	3700	
10	Gradeability (Loaded) × 10m	—	1/7	1/7	1/7	1/8	1/8	1/10	1/9	
11	Gradeability (Unloaded) × 10m	—	1/5	1/5	1/5	1/5	1/5	1/6	1/5	
12	Min. Turning radius	K mm	1750	1765	1765	1790	2030	2075	2120	
13	Min. Intersecting aisle w/	mm	1760	1715	1715	1715	1865	1830	1915	
14	Min. 50° stacking aisle w/	mm	3055	3080	3080	3110	3390	3435	3510	
15	Overall length (to fork face)	mm	1965	1970	1970	2015	2295	2345	2420	
16	Fork (Width × Thickness × Length)	mm	100 × 35 × 770	100 × 35 × 920	100 × 35 × 920	100 × 38 × 920	125 × 42 × 920	125 × 42 × 920	125 × 47 × 1070	
17	Fork adjustment (Min-Max)	H mm	200-900	200-900	200-900	200-900	250-1000	250-1000	250-1000	
18	Overall width	mm	1050	1050	1075	1075	1150	1150	1150	
19	Overall height (Mast lowered)	D1 mm	1980	1980	1995	1995	1995	1995	1995	
20	Overall height (Overhead guard)	D2 mm	2120	2120	2120	2120	2180	2180	2180	
21	Overall height (Mast extended)	E mm	4000	4000	4000	4000	4000	4000	4000	
22	Tread (Front/Rear)	mm	890/900	890/900	893/900	893/900	960/980	960/980	960/980	
23	Wheelbase	L mm	1250	1250	1250	1250	1470	1470	1470	
24	Front overhang	N mm	395	400	400	405	450	450	475	
25	Rear overhang	M mm	320	320	320	360	375	425	475	
26	Tire (Front)	PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	
27	Tire (Rear)	PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	
28	Under clearance	Mast	L1 mm	95	95	110	110	110	110	
29		Frame	L2 mm	110	110	110	110	165	165	
30		Rear axle	L3 mm	115	115	115	115	140	140	
31	Grade clearance	P %	44	44	44	44	44	44		
32	Overhead guard clearance (Operators)	D4 mm	1020	1020	1020	1020	1020	1020		
33	Seat height (Seat + a)	D3 mm	1010 + a	1010 + a	1010 + a	1010 + a	1070 + a	1070 + a		
34	Traction	kw	3.5	5	5	5	6	9		
35	Motor Hydraulic	kw	7.5	7.5	7.5	8.5	8.5	10		
36	Power steering	kw	0.5	0.5	0.5	0.5	0.5	0.5		
37	Travel control	—	SCR	SCR	SCR	SCR	SCR	SCR		
38	Battery Voltage	V	48	48	48	48	48	48		
39	Battery Capacity (STD)	AH/5H	330	330	400	400	450	565		
40	Battery Capacity (OPT)	AH/5H	400	400	485	485	545	600		
41	Min. Battery weight	kg	580	580	680	680	750	810		
42	Max. Battery weight	kg	790	790	790	790	860	860		
43	Lead position	—	B	B	B	B	B	B		
44	Lead length	mm	—	—	—	—	—	—		
45	Connector type	—	NYK [10]	NYK [10]	NYK [10]	NYK [10]	NYK [10]	NYK [10]		
46	Charger (Stationary type)	—	Option	Option	Option	Option	Option	Option		
47	Charger (Built in type)	—	Option	Option	Option	Option	Option	Option		
W 48	Service weight w/o charger	kg	2485	2580	2855	3145	3510	3875	4200	



(2) High speed type (U type)

Table 3

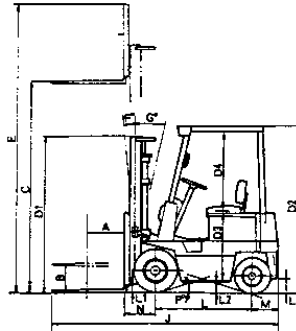
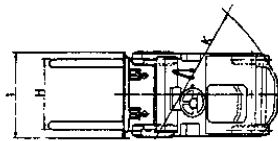
TYPE/SERIES			Standard Wheelbase (FB, U, P-U) Series						
MODEL			Unit	FB10P-U-300P	FB14P-U-300P	FB15P-U-300P	FB18P-U-300P	FB20P-U-300P	FB25P-U-300P
Performance	1	Capacity	kg	1000	1350	1500	1750	2000	2500
	2	Load center	A mm	500	500	500	500	500	500
	3	Lift height	C mm	3000	3000	3000	3000	3000	3000
	4	Free lift height	B mm	360	360	360	360	360	360
	5	Tilt angle (Fwd./Bwd.)	F/G Deg.	6/12	6/12	6/12	6/12	6/12	6/12
	6	Lifting speed (Loaded/Unloaded)	mm/s	310/500	320/500	310/500	270/450	340/500	320/500
	7	Lowering speed (Loaded/Unloaded)	mm/s	520/560	490/560	480/560	470/560	440/470	440/470
	8	Travel speed (Loaded/Unloaded)	km/h	15/18	15/18	15/18	14.5/17	14.5/16.5	14/18
	9	Full rates capacity lifting height	mm	4000	3700	3700	3700	3700	3700
	10	Gradeability (Loaded) × 10m	—	1/6	1/7	1/7	1/7	1/8	1/9
	11	Gradeability (Unloaded) × 10m	—	1/5	1/5	1/5	1/5	1/5	1/6
	12	Min. Turning radius	K mm	1750	1765	1765	1790	2030	2050
	13	Min. Intersecting axle w/	mm	1760	1715	1715	1715	1865	1875
	14	Min. 90° stacking axle w/	mm	3055	3080	3080	3110	3390	3410
	Dimensions	15	Overall length (to fork face)	mm	1965	1970	1970	2015	2295
16		Fork (Width × Thickness × Length)	mm	100 × 35 × 770	100 × 35 × 920	100 × 35 × 920	100 × 38 × 920	125 × 42 × 920	125 × 42 × 920
17		Fork adjustment (Min-Max)	H mm	200-900	200-900	200-900	200-900	250-1000	250-1000
18		Overall width	I mm	1050	1050	1075	1075	1150	1150
19		Overall height (Mast lowered)	D1 mm	1980	1980	1995	1995	1995	1995
20		Overall height (Overhead guard)	D2 mm	2120	2120	2120	2120	2290	2290
21		Overall height (Mast extended)	E mm	4000	4000	4000	4000	4000	4000
22		Tread (Front/Rear)	mm	890/900	890/900	893/900	893/900	960/980	960/980
23		Wheelbase	L mm	1250	1250	1250	1250	1470	1470
24		Front overhang	N mm	395	406	406	405	450	450
25		Rear overhang	M mm	320	320	320	360	375	395
26		Tire (Front)	PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR
27		Tire (Rear)	PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	6.00-9-10PR	6.00-9-10PR
28		Mast	L1 mm	95	95	110	110	110	110
29		Under clearance	L2 mm	110	110	110	110	165	165
30		Rear axle	L3 mm	115	115	115	115	140	140
31		Grade clearance	P %	44	44	44	44	44	44
32		Overhead guard clearance (Operators)	D4 mm	1020	1020	1020	1020	1020	1020
33	Seat height (Seat + a)	D3 mm	1010 + a	1010 + a	1010 + a	1010 + a	1180 + a	1180 + a	
Motor & Control	34	Traction	kw	9	9	9	9	9	9
	35	Motor	Hydraulic	kw	8.5	8.5	8.5	8.5	10
	36	Power steering	kw	0.5	0.5	0.5	0.5	0.5	0.5
	37	Travel control	—	SCR	SCR	SCR	SCR	SCR	SCR
Battery & Charger	38	Voltage	V	48	48	48	48	48	48
	39	Battery Capacity (STD)	AH/SH	485	485	545	545	650	650
	40	Battery Capacity (OPT)	AH/SH	545	545	—	—	730	730
	41	Min. Battery weight	kg	720	720	780	780	1030	1030
	42	Max. Battery weight	kg	790	790	780	780	1230	1230
	43	Lead position	—	B	B	B	B	B	B
	44	Lead length	mm	—	—	—	—	—	—
	45	Connector type	—	NYK[10]	NYK[10]	NYK[10]	NYK[10]	SB350	SB350
46	Charger (Stationary type)	—	Option	Option	Option	Option	Option	Option	
47	Charger (Built in type)	—	Option	Option	Option	Option	Option	Option	
W	Service weight w/o charger	kg	2805	2810	2580	3335	3826	4155	



(3) High gradeability type (UG type)

Table 4

TYPE/SERIES			Standard Wheelbase (FB L P-UG) Series							
MODEL			FB10P-UG-300P	FB14P-UG-300P	FB15P-UG-300P	FB18P-UG-300P	FB20P-UG-300P	FB25P-UG-300P		
		Unit								
Performance	1	Capacity	kg	1000	1350	1500	1750	2000	2500	
	2	Load center	A mm	500	500	500	500	500	500	
	3	Lift height	C mm	3000	3000	3000	3000	3000	3000	
	4	Free lift height	B mm	360	360	360	360	360	360	
	5	Tilt angle (Fwd./Bwd.)	F/G Deg.	6/12	6/12	6/12	6/12	6/12	6/12	
	6	Lifting speed (Loaded/Unloaded)	mm/s	280/470	280/470	270/450	270/450	250/400	230/400	
	7	Lowering speed (Loaded/Unloaded)	mm/s	520/560	490/560	470/560	470/560	440/470	440/470	
	8	Travel speed (Loaded/Unloaded)	km/h	11/13	12/14	12/14	12/14	12/14	11.5/14	
	9	Full rates capacity lifting height	mm	4000	3700	3700	3700	3700	3700	
	10	Gradeability (Loaded) × 10m	—	1/6	1/6	1/6	1/6	1/7	1/8	
	11	Gradeability (Unloaded) × 10m	—	1/5	1/5	1/5	1/5	1/5	1/5	
	12	Min. Turning radius	K mm	1750	1765	1765	1790	2030	2075	
	13	Min. Intersecting axle w/	mm	1700	1715	1715	1715	1855	1830	
	14	Min. 90° stacking axle w/	mm	3055	3080	3080	3110	3390	3435	
Dimensions	15	Overall length (to fork face)	mm	1965	1970	1970	2015	2295	2345	
	16	Fork (Width×Thickness×Length)	mm	100×35×770	160×35×920	160×35×920	100×38×920	125×42×920	125×42×920	
	17	Fork adjustment (Min-Max)	H mm	200-900	200-900	200-900	200-900	250-1060	250-1000	
	18	Overall width	I mm	1050	1050	1050	1075	1150	1150	
	19	Overall height (Mast lowered)	D1 mm	1980	1980	1995	1995	1995	1995	
	20	Overall height (Overhead guard)	D2 mm	2120	2120	2120	2120	2160	2180	
	21	Overall height (Mast extended)	E mm	4000	4000	4000	4000	4000	4000	
	22	Tread (Front/Rear)	mm	890/900	890/900	893/900	893/900	960/980	960/980	
	23	Wheelbase	L mm	1250	1250	1250	1250	1470	1470	
	24	Front overhang	N mm	395	400	400	405	450	450	
	25	Rear overhang	M mm	320	320	320	360	375	425	
	26	Tire (Front)	PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	
	27	Tire (Rear)	PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	6.00-9-10PR	6.00-9-10PR	
	28	Under clearance	Mast	L1 mm	95	95	110	110	110	110
	29		Frame	L2 mm	110	110	110	110	165	165
	30		Rear axle	L3 mm	115	115	115	115	140	140
	31	Grade clearance	P %	44	44	44	44	44	44	
	32	Overhead guard clearance (Operators)	D4 mm	1020	1020	1020	1020	1020	1020	
	33	Seat height (Seat + e)	D3 mm	1010 + α	1010 + α	1010 + α	1010 + α	1070 + α	1070 + α	
	Motor & Control	34	Traction	kw	5	8.3	8.3	8.3	8.3	8.3
		35	Motor	Hydraulic	kw	7.5	7.5	7.5	8.5	8.5
		36	Power steering	kw	0.5	0.5	0.5	0.5	0.5	0.5
37		Travel control	—	SCR	SCR	SCR	SCR	SCR	SCR	
Battery & Charger	38	Voltage	V	48	48	48	48	48	48	
	39	Battery Capacity (STD)	AH/5H	330	330	400	400	450	565	
		Capacity (OPT)	AH/5H	400	400	485	485	545	600	
	41	Min. Battery weight	kg	580	580	680	680	760	810	
	42	Max. Battery weight	kg	790	790	790	790	860	850	
	43	Lead position	—	B	B	B	B	B	B	
	44	Lead length	mm							
	45	Connector type	—	NYK[10]	NYK[10]	NYK[10]	NYK[10]	NYK[10]	NYK[10]	
46	Charger (Stationary type)	—	Option	Option	Option	Option	Option	Option		
47	Charger (Stationary type)	—	Option	Option	Option	Option	Option	Option		
W	Service weight w/o charger	kg	2575	2645	2860	3210	3505	3835		



(4) Low profiled type (PL type)

Table 5

TYPE/SERIES			Standard Wheelbase (FB   PL) Series						
MODEL			FB14PL-300P	FB15PL-300P	FB18PL-300P	FB20PL-300P	FB25PL-300P		
		Unit							
Performance	1	Capacity	kg	1350	1500	1750	2000	2500	
	2	Load center	A mm	500	500	500	500	500	
	3	Lift height	C mm	3000	3000	3000	3000	3000	
	4	Free lift height	B mm	360	360	360	360	360	
	5	Tilt angle (Fwd./Bwd.)	F/G Deg.	6/12	6/12	6/12	6/12	6/12	
	6	Lifting speed (Loaded/Unloaded)	mm/s	290/470	280/470	270/450	250/400	230/400	
	7	Lowering speed (Loaded/Unloaded)	mm/s	430/560	480/560	470/560	440/470	440/470	
	8	Travel speed (Loaded/Unloaded)	km/h	11/13	11/13	11/13	11/13	11/13	
	9	Full rates capacity lifting height	mm	4000	4000	4000	4000	4000	
	10	Gradeability (Loaded) × 10m	—	1/7	1/7	1/8	1/8	1/10	
	11	Gradeability (Unloaded) × 10m	—	1/5	1/5	1/5	1/5	1/6	
	12	Min. Turning radius	K mm	1800	1800	1835	2005	2055	
	13	Min. intersecting axle w/	mm	1705	1705	1715	1855	1875	
	14	Min. 90° stacking axle w/	mm	3105	3105	3145	3335	3385	
	15	Overall length (to fork face)	mm	1970	1970	2015	2260	2310	
Dimensions	16	Fork (Width × Thickness × Length)	mm	100 × 35 × 920	100 × 35 × 920	100 × 38 × 920	125 × 42 × 920	125 × 42 × 920	
	17	Fork adjustment (Min-Max)	H mm	200-900	260-900	290-900	250-1000	250-1000	
	18	Overall width	I mm	1030	1030	1090	1150	1150	
	19	Overall height (Mast lowered)	D1 mm	1980	1980	1980	1980	1980	
	20	Overall height (Overhead guard)	D2 mm	2075	2075	2075	2100	2100	
	21	Overall height (Mast extended)	E mm	4000	4000	4000	4000	4000	
	22	Tread (Front/Rear)	mm	900/900	900/900	900/900	930/945	930/945	
	23	Wheelbase	L mm	1250	1250	1250	1470	1470	
	24	Front overhang	N mm	400	400	405	415	415	
	25	Rear overhang	M mm	320	320	360	375	425	
	26	Tire (Front)	PR	21 × 8-9-10PR	21 × 8-9-10PR	21 × 8-9-14PR	23 × 9-10-14PR	23 × 9-10-14PR	
	27	Tire (Rear)	PR	16 × 6-8-10PR	16 × 6-8-10PR	16 × 6-8-10PR	18 × 7- 8-14PR	18 × 7- 8-14PR	
	28	Under clearance	Mast	L1 mm	95	95	95	95	95
			Frame	L2 mm	90	90	90	110	110
			Rear axle	L3 mm	65	65	65	100	100
31	Grade clearance	P %	30	30	30	30	30		
32	Overhead guard clearance (Operators)	D4 mm	1020	1020	1020	1020	1020		
33	Seat height (Seat + a)	D3 mm	965 + a	965 + a	965 + a	990 + a	990 + a		
Motor & Control	34	Traction	kw	5.5	5.5	5.5	6.0	6.0	
	35	Motor Hydraulic	kw	7.5	7.5	8.5	8.5	8.5	
	36	Power steering	kw	0.5	0.5	0.5	0.5	0.5	
	37	Travel control	—	SCR	SCR	SCR	SCR	SCR	
Battery & Control	38	Voltage	V	48	48	48	48	48	
	39	Battery Capacity (STD)	AH/5H	330	400	400	450	585	
			AH/9H	400	485	485	545	600	
	40	Battery Capacity (OPT)	AH/5H	400	485	485	545	600	
	41	Min. Battery weight	kg	580	680	680	760	810	
	42	Max. Battery weight	kg	790	790	790	860	860	
	43	Lead position	—	B	B	B	B	B	
	44	Lead length	mm	—	—	—	—	—	
	45	Connector type	—	NYK [10]	NYK [10]	NYK [10]	NYK [10]	NYK [10]	
	46	Charger (Stationary type)	—	Option	Option	Option	Option	Option	
	47	Charger (Built in type)	—	Option	Option	Option	Option	Option	
W	Service weight w/o charger	kg	2575	2830	3140	3475	3805		

