

8FBP7. 9. 10. 15

MAIN VEHICLE SPECIFICATIONS

1	Manufacturer			TOYOTA	TOYOTA	TOYOTA	TOYOTA
2	Model			8FBP7	8FBP9	8FBP10	8FBP15
3	Load Capacity	kg		700	900	1000	1500
4	Load Center	mm		500	500	600	600
6	Operator Position			Stand On	Stand On	Stand On	Stand On
9	Maximum Fork Height (MFH)	mm		3000	3000	3000	3000
10	Free Lift	mm		0	0	0	0
13	Fork Size	T x W x L	mm	35/100/770	35/100/920	35/100/920	35/100/920
	Fork Spread (Outside)	MAX./MIN.	mm	750/610	750/610	750/610	750/610
	Overall Length	mm		2305	2455	2455	2565
15	Length to Fork Face	mm		1535	1535	1535	1645
16	Overall Width	mm		1090	1090	1090	1090
17	Mast Lowered Height	mm		2090	2090	2090	2090
18	Mast Extended Height	mm		5115	5115	5115	5115
19	Overhead Guard Height	mm		2115	2115	2115	2115
	Front Overhang	mm		195	195	195	195
21	Turning Radius (Outside)	mm		1420	1420	1420	1520
	Intersecting Aisle Width	mm		1550	1570	1570	1620
	Intersecting Aisle Width (With pallets 1100 x 1100)*	mm		1850	1850	1850	1890
	Right Angle Stacking Aisle Width (With pallets 1100 x 1100)*	mm		2950	2950	2950	3050
24	Speeds	Travel, Max.**	Full Load	km/h	8.5	8.0	7.5
		(FWD/RVS)	No Load	km/h	9.0	9.0	8.0
25		Lifting	Full Load	mm/s	240	220	200
			No Load	mm/s	330	330	330
26		Lowering	Full Load	mm/s	260	260	260
			No Load	mm/s	260	260	260
29	Gradeability	No Load	3-Minute Ratings	% (tanθ)	10	10	10
32	Total Weight	with Battery		kg	1890	1980	2320
33	Weight Distribution (With Minimum Battery)	Load wheel/ Drive wheel	Full Load	kg	1840/750	2150/670	3230/590
34			No Load	kg	780/1110	810/1170	910/1410
35	Tires	Number	Load wheel		2	2	2
			Drive wheel		1	1	1
36		Size	Load wheel	ø150 x 73 (Urethane)	ø152 x 102 (Urethane)	ø152 x 102 (Urethane)	ø152 x 102 (Urethane)
37			Drive wheel	ø330 x 145 (Rubber)	ø330 x 145 (Rubber)	ø330 x 145 (Rubber)	ø330 x 145 (Urethane)
38	Wheelbase			mm	1225	1225	1335
39	Tread	Load wheel		mm	965	965	965
41	Underclearance	Center of Wheelbase		mm	60	60	60
42	Brake	Service Brake			Regenerative (Drive Motor)	Regenerative (Drive Motor)	Regenerative (Drive Motor)
43		Parking Brake			Mechanical	Mechanical	Mechanical
45	Battery	Voltage/Capacity (5-hour rating)	Min.	V/AH	48/165	48/201	48/240
			Max.	V/AH	48/240	48/240	48/280
46		Weight (with Case, Min.Capacity Type)	kg		310	355	395
47	Electric Motors	Drive	kW		4.9	4.9	4.9
48		Load Handling	kW		8.0	8.0	8.0
		Power Steering	kW		0.26	0.26	0.26
54	Control Type	Drive			MOS inverter	MOS inverter	MOS inverter
		Load Handling			MOS inverter	MOS inverter	MOS inverter
		Power Steering			Transistor chopper	Transistor chopper	Transistor chopper

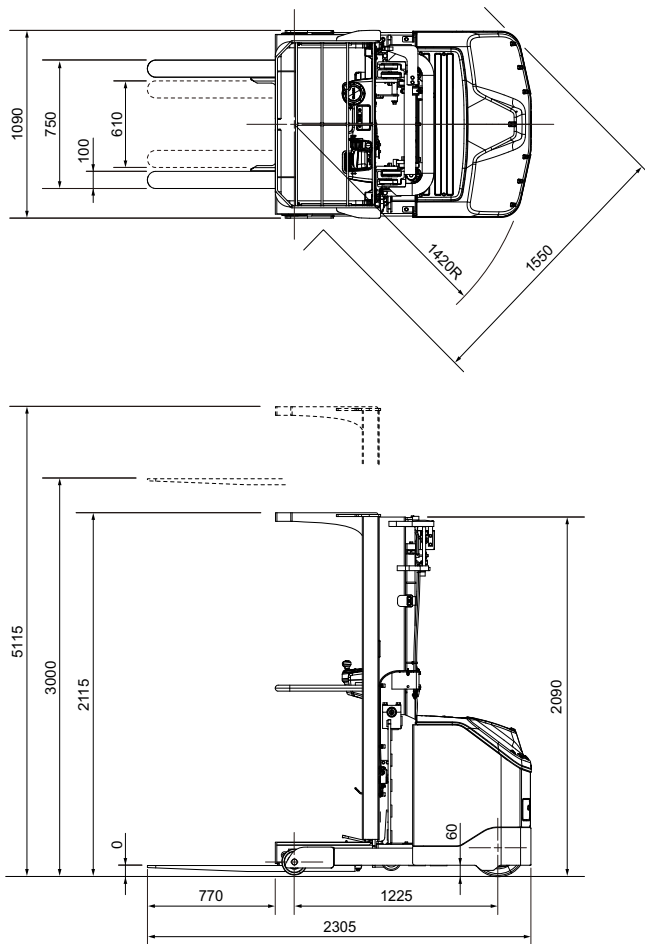
NOTE:** Safety clearance of 200mm is included.

** Height of 0.5m and under.

DIMENSIONAL DRAWINGS

8FBP7

Unit: mm



RATED CAPACITY

8FBP7

V Mast

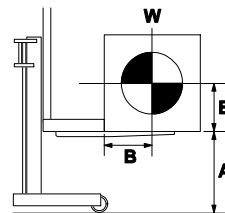
unit:kg (W)

A (mm)	3000	3500	4000	4500	5000
400	700	700	600	500	400
500	700	700	600	500	400
600	600	600	520	430	350
700	520	520	460	380	310
800	460	460	400	330	270
900	420	420	360	300	240
1000	390	390	330	280	220
1100	360	360	300	260	200
1200	330	330	280	240	180

FSV Mast

unit:kg (W)

A (mm)	4700	5000
400	450	350
500	450	350
600	390	310
700	340	270
800	310	240
900	280	220
1000	250	200
1100	230	180
1200	220	170



A: Max. Fork Height

B: Load Center

W: Capacity

SPECIAL MAST

Wide Visible Mast (V), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

Model				8FBP7			
Type of Mast				V		FSV	
PERFORMANCE							
Power Mode				H, P		S	
Speeds	Lifting	Full Load	mm/sec	240	190	250	210
		No Load	mm/sec	330	280	290	250
	Lowering	Full Load	mm/sec	260	260	235	235
		No Load	mm/sec	260	260	235	235
DIMENSIONS							
Load Distance			mm	115		150	
(Centering of load wheel to front face of forks)			mm	2305		2340	
Overall Length (to Top of Forks)			mm	2750		2790	
Right Angle Stacking Aisle With (with pallets 1100 x 1100)*			mm	2750		2790	

NOTE: * Safety clearance of 200 mm is not included.

NOTE: H High power mode.

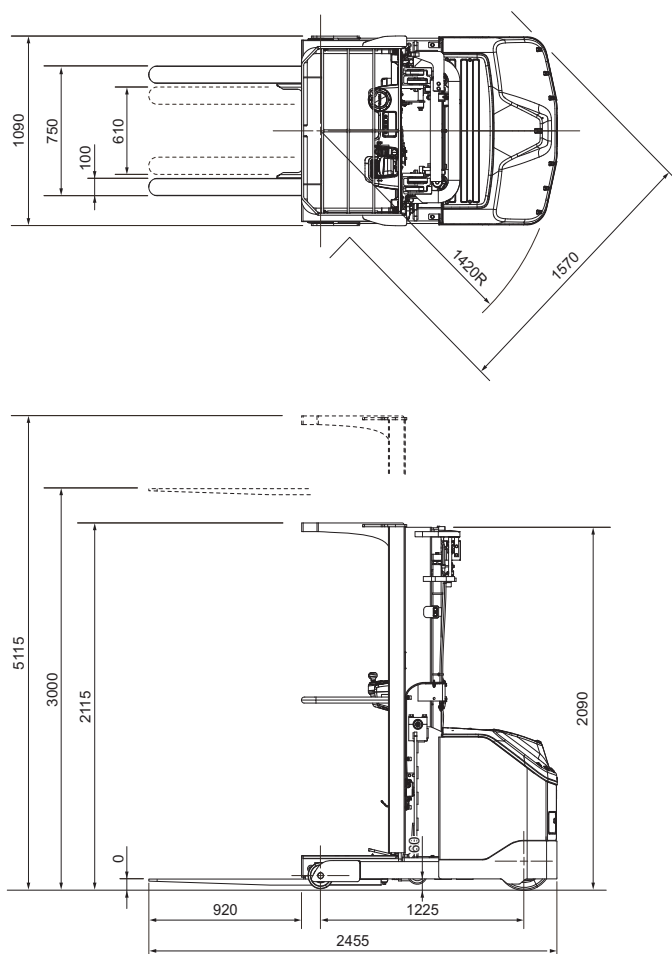
P Power mode.

S Standard mode.

DIMENSIONAL DRAWINGS

8FBP9

Unit: mm



RATED CAPACITY

8FBP9

V Mast

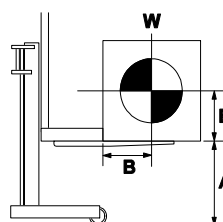
unit:kg

Maximum Fork Height (mm)	3000	3500	4000	4500	5000
400	900	900	700	600	500
500	900	900	700	600	500
600	770	770	600	520	430
700	680	680	530	450	380
800	600	600	470	400	340
900	550	550	420	360	300
1000	500	500	390	330	280
1100	460	460	350	300	250
1200	420	420	330	280	230

FSV Mast

unit:kg

Maximum Fork Height (mm)	4700	5000
400	500	400
500	500	400
600	430	350
700	380	310
800	340	270
900	310	250
1000	280	230
1100	260	210
1200	240	190



A: Max. Fork Height
B: Load Center
W: Capacity

SPECIAL MAST

Wide Visible Mast (V), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

Model				8FBP9			
Type of Mast				V		FSV	
PERFORMANCE							
Power Mode				H, P		S	
Speeds	Lifting	Full Load	mm/sec	220	175	235	200
		No Load	mm/sec	330	280	290	250
	Lowering	Full Load	mm/sec	260	260	235	235
		No Load	mm/sec	260	260	235	235
DIMENSIONS							
Load Distance			mm	115		150	
(Centering of load wheel to front face of forks)			mm	1420		1420	
Turning Radius (Outside)			mm	2750		2790	
Right Angle Stacking Aisle With (with pallets 1100 x 1100)*			mm	2750		2790	

NOTE: * Safety clearance of 200 mm is not included.

NOTE : H High power mode.

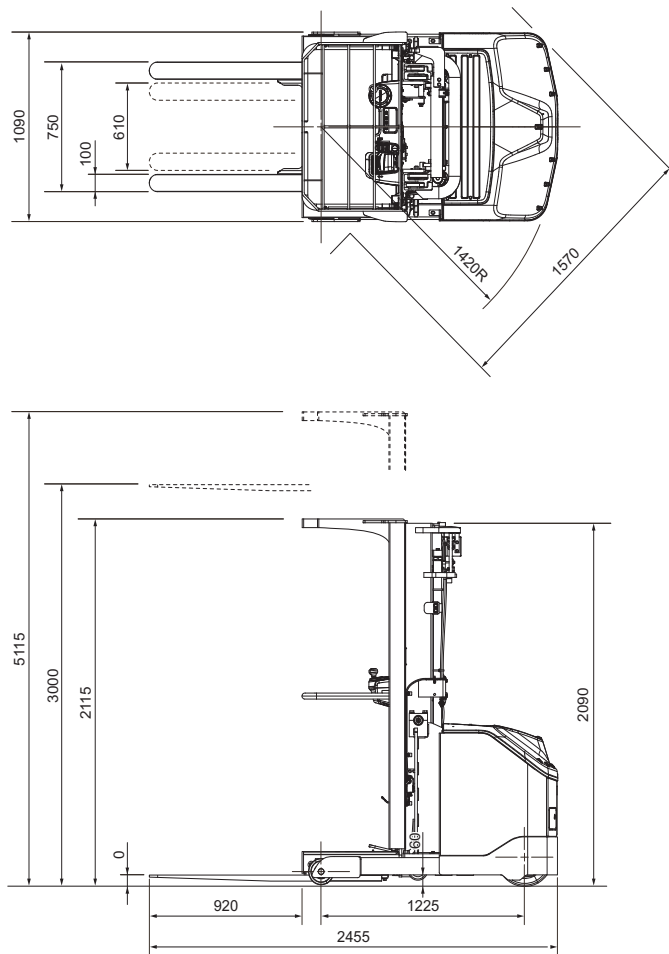
: P Power mode.

: S Standard mode.

DIMENSIONAL DRAWINGS

8FBP10

Unit: mm



RATED CAPACITY

8FBP10

V Mast

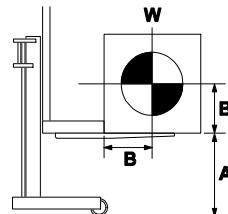
unit:kg (W)

A (mm)	3000	3500	4000	4500	5000
500	1000	1000	800	700	600
600	1000	1000	800	700	600
700	880	880	700	610	530
800	780	780	630	550	470
900	700	700	560	490	420
1000	640	640	510	450	380
1100	590	590	470	410	350
1200	540	540	430	380	330
1300	510	510	400	350	300

FSV Mast

unit:kg (W)

A (mm)	4700	5000	5500	6000
500	650	600	450	350
600	650	600	450	350
700	570	530	400	310
800	510	470	360	280
900	460	430	320	250
1000	420	390	290	230
1100	390	360	270	210
1200	360	330	250	190
1300	340	310	230	180



A: Max. Fork Height

B: Load Center

W: Capacity

SPECIAL MAST

Wide Visible Mast (V), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

Model				8FBP10			
Type of Mast				V		FSV	
PERFORMANCE							
Power Mode				H, P		S	
Speeds	Lifting	Full Load	mm/sec	220	175	235	200
		No Load	mm/sec	330	280	290	250
	Lowering	Full Load	mm/sec	260	260	235	235
		No Load	mm/sec	260	260	235	235
DIMENSIONS							
Load Distance			mm	115		150	
(Centering of load wheel to front face of forks)			mm	1420		1420	
Turning Radius (Outside)			mm	2750		2790	
Right Angle Stacking Aisle With (with pallets 1100 x 1100)*			mm				

NOTE: * Safety clearance of 200 mm is not included.

NOTE: H High power mode.

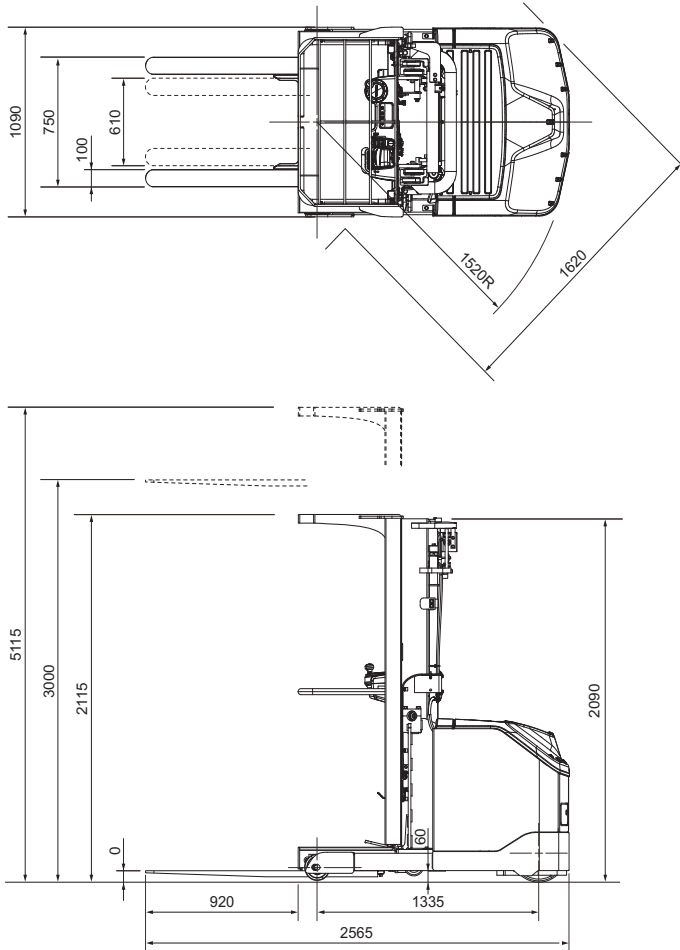
: P Power mode.

: S Standard mode.

DIMENSIONAL DRAWINGS

8FBP15

Unit: mm



RATED CAPACITY

8FBP15

V Mast

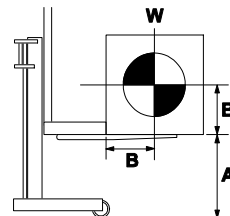
unit: kg (W)

A (mm)	3000	3500	4000	4500	5000
500	1500	1500	1100	1000	900
600	1500	1500	1100	1000	900
700	1320	1320	970	880	790
800	1170	1170	860	780	700
900	1060	1060	770	700	630
1000	960	960	710	640	580
1100	880	880	650	590	530
1200	820	820	600	540	490
1300	760	760	560	510	450

FSV Mast

unit: kg (W)

A (mm)	4700	5000	5500	6000
500	800	800	600	450
600	800	800	600	450
700	710	710	530	400
800	630	630	470	360
900	570	570	430	320
1000	520	520	390	290
1100	480	480	360	270
1200	440	440	330	250
1300	410	410	310	230



A: Max. Fork Height

B: Load Center

W: Capacity

SPECIAL MAST

Wide Visible Mast (V), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

Model				8FBP15			
Type of Mast				V		FSV	
PERFORMANCE							
Power Mode				H, P		S	
Speeds	Lifting	Full Load	mm/sec	200	160	225	185
		No Load	mm/sec	330	280	290	250
	Lowering	Full Load	mm/sec	260	260	235	235
		No Load	mm/sec	260	260	235	235
DIMENSIONS							
Load Distance			mm	115		150	
(Centering of load wheel to front face of forks)			mm	1520		1520	
Turning Radius (Outside)			mm	2850		2890	
Right Angle Stacking Aisle With (with pallets 1100 x 1100)*			mm	2850		2890	

NOTE: * Safety clearance of 200 mm is not included.

NOTE: H High power mode.

: P Power mode.

: S Standard mode.

MAST SPECIFICATIONS & RATED CAPACITIES

Wide Visible Mast (V), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

8FBP7

Mast Type	Maximum Fork Height	Overall Mast Height		Underclearance		Free Lift	Load Capacity at 500mm LC
		Lowered	Extended	Mast	Fork		
	mm	mm	mm	mm	mm	mm	kg
V	3000	2090	5115	60	55	0	700
	3500	2350	5615	60	55	0	700
	4000	2590	6115	60	55	0	600
	4500	3040	6615	60	55	0	500
	5000	3290	7115	60	55	0	400
FSV	4700	2350	6815	60	55	0	450
	5000	2450	7115	60	55	0	350

8FBP9

Mast Type	Maximum Fork Height	Overall Mast Height		Underclearance		Free Lift	Load Capacity at 500mm LC
		Lowered	Extended	Mast	Fork		
	mm	mm	mm	mm	mm	mm	kg
V	3000	2090	5115	60	55	0	900
	3500	2350	5615	60	55	0	900
	4000	2590	6115	60	55	0	700
	4500	3040	6615	60	55	0	600
	5000	3290	7115	60	55	0	500
FSV	4700	2350	6815	60	55	0	500
	5000	2450	7115	60	55	0	400

8FBP10

Mast Type	Maximum Fork Height	Overall Mast Height		Underclearance		Free Lift	Load Capacity at 600mm LC
		Lowered	Extended	Mast	Fork		
	mm	mm	mm	mm	mm	mm	kg
V	3000	2090	5115	60	55	0	1000
	3500	2350	5615	60	55	0	1000
	4000	2590	6115	60	55	0	800
	4500	3040	6615	60	55	0	700
	5000	3290	7115	60	55	0	600
FSV	4700	2350	6815	60	55	0	650
	5000	2450	7115	60	55	0	600
	5500	2660	7625	60	55	0	450
	6000	2850	8115	60	55	0	350

8FBP15

Mast Type	Maximum Fork Height	Overall Mast Height		Underclearance		Free Lift	Load Capacity at 600mm LC
		Lowered	Extended	Mast	Fork		
	mm	mm	mm	mm	mm	mm	kg
V	3000	2090	5115	60	55	0	1500
	3500	2350	5615	60	55	0	1500
	4000	2590	6115	60	55	0	1100
	4500	3040	6615	60	55	0	1000
	5000	3290	7115	60	55	0	900
FSV	4700	2350	6815	60	55	0	800
	5000	2450	7115	60	55	0	800
	5500	2660	7625	60	55	0	600
	6000	2850	8115	60	55	0	450

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INDEX: ○Standard
●Available

STANDARD EQUIPMENT

8FBP7. 9. 10. 15

- Wide Visible Mast (V) [MFV:3000 mm] ● Overhead guard ● Power select function ● Power keep function ● Auto power-off function
- Anti-rollback ● Automatic vehicle-speed control ● Fork stuck descent stop ● Turn signal lights ● Battery hood stopper ● Electric horn
- Electric power steering (EPS) ● Load-handling thumb lever ● Digital multifunction display (Battery capacity indicator, power-select function indicator, Overheat warning, Hour meter, Battery over discharge warning, Battery remaining-charge warning, Return-to-neutral warning, Digital diagnosis, Low temperature warning, Gate close drive / lift stop warning Wheel indicator)
- Auto pallet clamp ● Pre-auto stop function / Shock less descent stop function ● Center, width and corner marker ● Guard bar ● Safety belt ● Floor mat

OPTIONS AVAILABILITY CHART

				Model	8FBP7	8FBP9	8FBP10	8FBP15
Item				Code				
LOAD HANDLING								
Wide Visible Mast (V)	1)			M00B※	●	●	●	●
Full-free Life 3-stage Mast (FSV)				M00D※	●	●	●	●
Long Forks	2)	☆		M20A※	●	●	●	●
Height Selector	3)	★		M71B	●	●	●	●
BATTERY								
Battery Charger (Off Truck Type)		☆★		C30L/M	●	●	●	●
Battery		☆★		D00C※	●	●	●	●
Local Battery	4)	★		D03C※	●	●	●	●
Spare Battery	5)	★		D20A	●	●	●	●
Battery Brand (GS Yuasa)	6)	★		D30A	●	●	●	●
Battery Brand (HITACHI)	6)	★		D30B	●	●	●	●
Single Overall Electrolyte Filler Ports		★		D40A	●	●	●	●
Battery Protecting Function	3) 7)	★		D42B	●	●	●	●
Battery Carrier		★		D45D	●	●	●	●
Battery Carrier (with Height-adjust System)		★		D45F	●	●	●	●
Battery Hanger		★		D46A	●	●	●	●
Extension Cord (Power Supply)	8)	★		D50B※	●	●	●	●
Extension Cord (Battery)	8)	★		D51A※	●	●	●	●
Handle For Side Pull-out Battery	9)			D53B	●	●	●	●
Battery Roll-out		★		D56A	●	●	●	●
Battery Case		★		D80B	●	●	●	●
LIGHT AND INDICATORS								
Key-less Ignition Switch	10)	★		D29A	●	●	●	●
Yellow Beacon On The Overhead Guard		★		J19A	●	●	●	●
LED Yellow Beacon On The Overhead		★		J19S	●	●	●	●
Back-up Light				J23A	●	●	●	●
Headlight		★		J24A	●	●	●	●
LED Headlight		★		J24L	●	●	●	●
Rear Working Light		★		J26A	●	●	●	●
Reading Lamp				J37A	●	●	●	●
Back-up Buzzer				K21D	●	●	●	●
Forward Chime				K22A	●	●	●	●
Deluxe Multifunction Display		★		L26B	●	●	●	●
PIN Code Entry System	3)	★		L38B	●	●	●	●
BODY								
Head Guard Sheet				H01B	●	●	●	●
Rear-view Mirror, Right and Left Sides				J10B	●	●	●	●
Rear Bar		★		K59B	●	●	●	●
TOYOTA Symbol Mark	11)			S02A	●	●	●	●
Storage Box		★		S05C	●	●	●	●
A4-size Binder w/Magnet				S06A	●	●	●	●
Real Type Safety Belt				S16A	●	●	●	●
Name Plate (English)				S31A	●	●	●	●
Name Plate (Taiwan)				S31G	●	●	●	●
WHEELS AND TIRE								
Drive Tire Urethane Tire		☆★		F92A	●	●	●	○
Drive Tire Urethane Tire (w. Wire Mesh)		☆★		F92B	●	●	●	●
Drive Tire White Rubber Tire		☆★		F92C	●	●	●	
Drive Tire Rubber		☆		F92G	○	○	○	
Drive Tire High-Grip Rubber		☆★		F92J	●	●	●	
Drive Tire Long Life Urethane		☆★		F92L	●	●	●	●
Guide Wheels (width 1250mm)		★		G50A	●	●	●	●
Guide Wheels (width 1350mm)		★		G50B	●	●	●	●
Guide Wheels (width 1450mm)		★		G50C	●	●	●	●
SPACIAL								
Cold-storage Model (Type 35)	3) 12)	★		B30B	●	●	●	●
Fork Forward Type				H60A	●	●	●	●
OTHER								
Tool Standard Set (B Set)				S00B	●	●	●	●

Note: 1) Must specify even when with standard lift height.

2) Must specify even when with standard size.

3) Must specify L26B.

4) Must specify D80B when battery case is needed.

5) Only available with the same capacity and brand of the battery chosen by D00C*.

6) Must specify D99A.

7) Must specify D00C.

8) Either of 5 m and 10 m can be selected. Must specify C30L or C30M.

9) Must Specify D56A

10) Must specify L38B.

11) One side only when combined with D56A.

12) Must specify any one of F92A, F92B, F92C, F92J, F92G, and F92L.

★ Please see the "Matching Options"

☆ Please see the chart below for the items.

INDEX: ○Standard

●Available

LONG FORKS

Unit: mm

Model	Length	Width	Thickness	Long Forks
8FBP7	770	100	35	○
	920			●
	1070			●
	1220			●
8FBP9. 10. 15	920	100	35	○
	1070			●
	1220			●

BATTERY AVAILABILITY (GS YUASA, HITACHI)

Model	Battery		
	V	AH/HR	
8FBP7	48	165/5	●
		201/5	●
		240/5	●
8FBP9. 10	48	201/5	●
		240/5	●
8FBP15	48	240/5	●
		280/5	●

AVAILABILITY OF BATTERY CHARGER**Off-Truck Type**

Battery Voltage	AC Input Voltage	Charger Type	kVA of Charger	Battery Capacity	Battery Connector Type	AC Power Supply Capacity (A)	8FBP7	8FBP9	8FBP10	8FBP15
V	V		50/60Hz	AH/5HR		50/60Hz				
48	200	SG3-69-45JBY-2	4.3/3.8	165-240	Anderson	15/15	●	●	●	●
		SG3-69-60JBY-2	5.4/4.7	280-320	SB175	20/20				●
	400	SG3-69-45JBY-2	4.3/3.8	165-240	Anderson	10/10	●	●	●	●
		SG3-69-60JBY-2	5.3/4.7	280-320	SB175	10/10				●

TIRE AVAILABILITY

Model	Tire Arrangement	Tire Size	Cushion Tire				
			Urethane	Rubber	Urethane with Wire Mesh	White Rubber	Long Life Urethane
8FBP7	Load	ø150 x 73	○				
	Drive	ø330 x 145 x ø	●	○	●	●	●
8FBP9. 10	Load	ø152 x 102	○				
	Drive	ø330 x 145 x ø	●	○	●	●	●
8FBP15	Load	ø152 x 102	○				
	Drive	ø330 x 145 x ø	○		●		●

MATCHING OPTIONS

(Column figures refer to matching with to the items listed at left)

Item	Code		1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	12)	13)	14)	15)
Cold-storage Model (Type 35S)	B30B	1)															
Battery	D00C	2)															
Local Battery	D03C	3)		×													
Spare Battery	D20A	4)															
Battery Brand (GS Yuasa)	D30A	5)			×												
Battery Brand (HITACHI)	D30B	6)			×		×										
Single Overall Electrolyte Filler Ports	D40A	7)	×		×	×											
Battery Protecting Function	D42B	8)			×												
Handle For Side Pull-out Battery	D53B	9)			×												
Battery Roll-out	D56A	10)															
Battery Case	D80B	11)		×		×	×	×	×			×					
Fork Forward Type	H60A	12)															
Rear Working Light	J26A	13)													×		
Rear Bar	K59B	14)													×		
Storage Box	S05C	15)													×		

SPECIFICATIONS OF BATTERY AND BATTERY CASE

The "minimum weight of battery with case" indicated in the table is the lightest weight of the battery required to satisfy stability requirements of the vehicle in which it is installed.

Specifications (HITACHI)

Model		8FBP7			8FBP9		8FBP10		8FBP15	
Vehicle Weight without Battery		kg	1579			1626		1655		1925
Minimum Weight of Battery with Case		kg	283			341		341		365
Battery Connector Type			Anderson SB175A (2 Prong)			Anderson SB175A (2 Prong)		Anderson SB175A (2 Prong)		Anderson SB175A (2 Prong)
Truck Voltage		V	48			48		48		48
Number of Cells		pcs	24			24		24		24
Ampere-Hour Capacity		AH/HR	165/5	201/5	240/5	201/5	240/5	201/5	240/5	240/5 280/5
Specs. Of Cell	Overall Dimensions	Total Height	mm	442	522	552	522	552	522	552 522
		Container Height	mm	410	490	520	490	520	490	520 490
		Length	mm	58	58	58	58	58	58	58 90
		Width	mm	158	158	158	158	158	158	158 158
	Weight of Filled Cell		Approx. kg	10.8	12.6	14.2	12.6	14.2	12.6	14.2 17.6
	Quantity of Electrolyte		Approx. liter	1.9	2.3	2.3	2.3	2.3	2.3	2.3 4.2
	Case		kg	40	40	40	40	40	40	40 47
	Total (Battery)		kg	311	354	355	354	355	354	355 395
Operating Time (S mode)*			10h50m	13h15m	15h50m	12h55m	15h30m	12h10m	14h35m	14h55m 17h25m

*The operating time shown above is from TICO test "TOYOTA Standard Operating Cycle" with the vehicle of which power mode is S mode.

Specifications (GS YUASA)

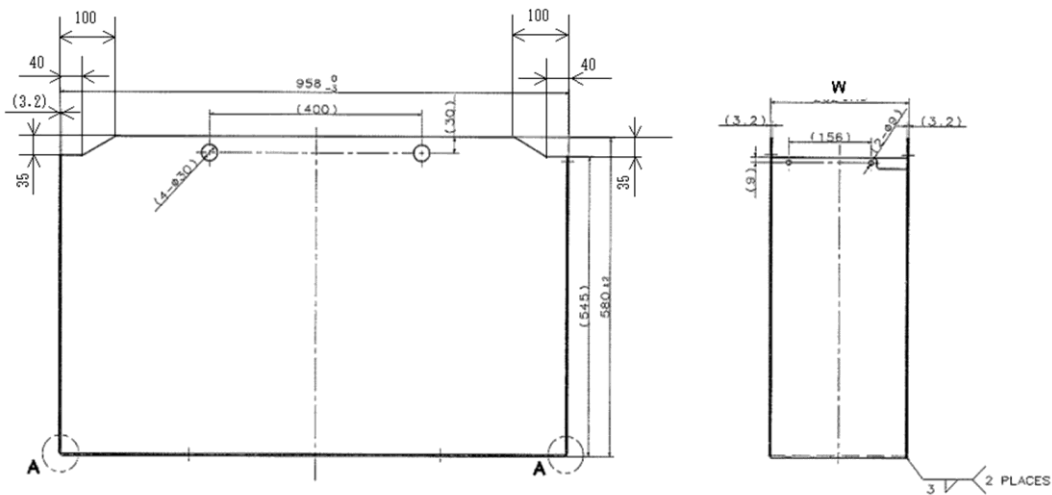
Model		8FBP7			8FBP9		8FBP10		8FBP15	
Vehicle Weight without Battery		kg	1579			1626		1655		1925
Minimum Weight of Battery with Case		kg	283			341		341		365
Battery Connector Type			Anderson SB175A (2 Prong)			Anderson SB175A (2 Prong)		Anderson SB175A (2 Prong)		Anderson SB175A (2 Prong)
Truck Voltage		V	48			48		48		48
Number of Cells		pcs	24			24		24		24
Ampere-Hour Capacity		AH/HR	165/5	201/5	240/5	201/5	240/5	201/5	240/5	240/5 280/5
Specs. Of Cell	Overall Dimensions	Total Height	mm	426	521	550	521	550	521	550 521
		Container Height	mm	395	490	519	490	519	490	519 490
		Length	mm	60	60	60	60	60	60	60 90
		Width	mm	158	158	158	158	158	158	158 158
	Weight of Filled Cell		Approx. kg	10.0	12.5	13.5	12.5	13.5	12.5	13.5 17.0
	Quantity of Electrolyte		Approx. liter	1.9	2.4	2.6	2.4	2.6	2.4	2.6 3.9
	Case		kg	40	40	40	40	40	40	40 47
	Total (Battery)		kg	292	351	376	351	376	351	376 465
Operating Time (S mode)*			10h50m	13h15m	15h50m	12h55m	15h30m	12h10m	14h35m	14h55m 17h25m

*The operating time shown above is from TICO test "TOYOTA Standard Operating Cycle" with the vehicle of which power mode is S mode.

DIMENSIONS OF BATTERY CASE

8FBP7. 9. 10. 15

Unit: mm



Note: The battery compartment has the same dimensions as the battery case.

When providing a battery case locally, use an item that has exactly the same dimensions as the battery case described above.