

8FBJ35

8FBHJ35

MAIN VEHICLE SPECIFICATIONS

(March 2018)

1	Manufacturer			TOYOTA	TOYOTA
2	Model			8FBJ35	8FBHJ35
3	Load Capacity	kg		3500	3500
4	Load Center	mm		500	500
5	Power Type			Battery	Battery
6	Operator Position			Rider Seated	Rider Seated
7	Tire Type	Front/Rear		Pneumatic	Pneumatic
8	Wheels (x = driven)	Front/Rear		2x/2	2x/2
9	Maximum Fork Height (MFH)	mm		3000	3000
10	Free Lift	mm		140	140
13	Fork Size	L x W x T	mm	1070/140/50	1070/140/50
	Fork Spread (Outside)	MAX./MIN.	mm	1070/240	1070/240
14	Tilt Range	FWD/BWD	deg	6/11	6/11
15	Length to Fork Face		mm	2575	2660
16	Overall Width		mm	1240	1240
17	Mast Lowered Height		mm	2110	2110
18	Mast Extended Height		mm	4220	4220
19	Overhead Guard Height [] : Height with Resin Roof		mm	2195	2195 [2245]
21	Turning Radius (Outside)		mm	2270	2365
22	Load Distance (Centerline of front axle to front face of forks)		mm	500	500
	Rear Overhang		mm	425	425
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		mm	2770	2865
	Intersecting Aisle Width		mm	2045	2080
24	Speeds *	Travel, Max. (FWD/RVS)	Full Load	13.0/13.0	13.0/13.0
			No Load	15.0/15.0	15.0/15.0
25	Lifting		Full Load	270	270
			No Load	460	460
26	Lowering		Full Load	500	500
			No Load	450	450
27	Drawbar Pull *	Full Load/ No Load	3-Minute Ratings	12900/12550 (1310/1280)	12380/12530 (1260/1270)
			5-Minute Ratings	12900/12550 (1310/1280)	12380/12530 (1260/1270)
			60-Minute Ratings	5100/5490 (520/560)	4890/5210 (490/530)
29	Gradeability *	Full Load/ No Load	3-Minute Ratings	14/20	14/24
			5-Minute Ratings	14/20	14/24
			30-Minute Ratings	9/17	8/17
32	Total Weight	Without Battery	kg	4290	3945
33	Weight Distribution (With STD Battery)	Full Load	Front	7840	7990
			Rear	970	920
34		No Load	Front	2220	2550
			Rear	3090	2860
35	Number	Front/Rear		2/2	2/2
36	Tires	Front		28X9-15-14PR (I)	28X9-15-14PR (I)
37		Size	Rear	6.50-10-14PR (I)	6.50-10-14PR (I)
38	Wheelbase		mm	1650	1805
39	Tread	Front	mm	1010	1010
		Rear	mm	965	965
	Backrest Height			1220	1220
	Overhead Guard Clearance			1035	1035
	Counterweight Height			1275	1275
	Drawbar Height			340	340
	Step Height/Floor Height			515/785	515/785
40	Underclearance	Mast (Full Load)	mm	115	115
41		Center of Wheelbase (Full Load)	mm	140	140
		Drive Axle (Full Load)	mm	155	155
		Steer Axle (No Load)	mm	180	180
		Counterweight (No Load)	mm	185	185
		Minimum Under Clearance (Full Load)	mm	115(Mast)	115(Mast)
	Grade Clearance	Frame	% (tanθ)	36	36
		Counterweight	% (tanθ)	66	66
42	Brake	Service (Foot)		Hydraulic	Hydraulic
43		Parking		Hand	Hand
45	Battery	Voltage/Capacity (5-hour rating)	STD High	V/AH 80/370	V/AH 80/565
46		Weight (STD Capacity Type)		kg	1020
47	Electric Motors	Drive		kW	11.9
48		Load Handling		kW	14.4
		Energy Consumption According to VDI Cycle **		kWh/h	5.5
54	Control Type	Drive		Transistor inverter	Transistor inverter
		Load Handling		Transistor inverter	Transistor inverter
57	Operating Pressure	For Attachments	Mpa (psi)	15.7(2300)	15.7(2300)
	Sound level at the driver's ear according to EN12053 Uncertainty 4dB(A)		dB (A)	69	69

Vibration in accordance with EN13059	m/s ²	1.5	1.5
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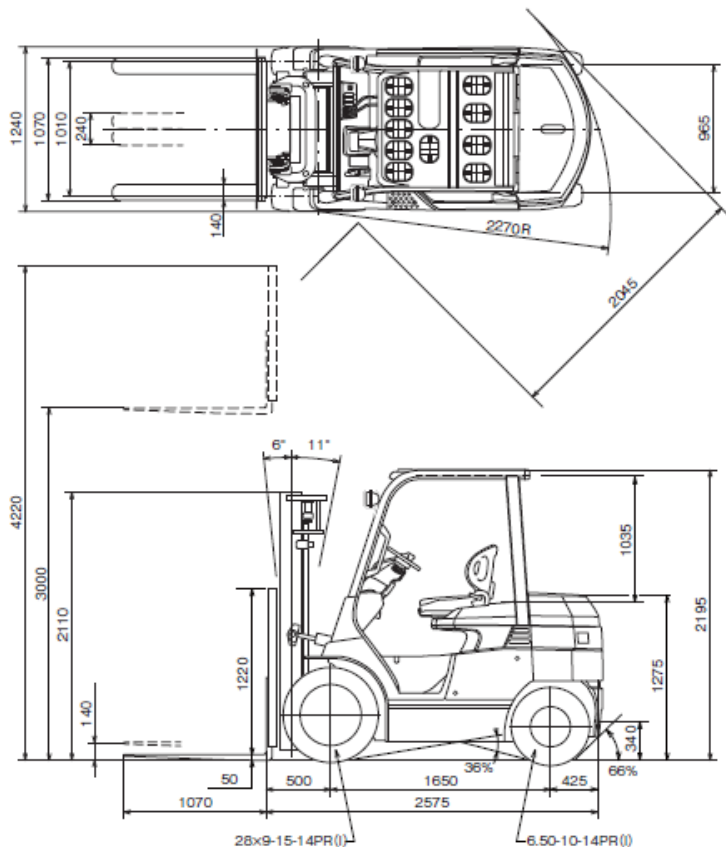
NOTE: * Computed values.
 ** 60 VDI circles/h with Tested Load of 3500 kg.
 [] with Resin Roof

DIMENSIONAL DRAWINGS

(March 2018)

Unit: mm

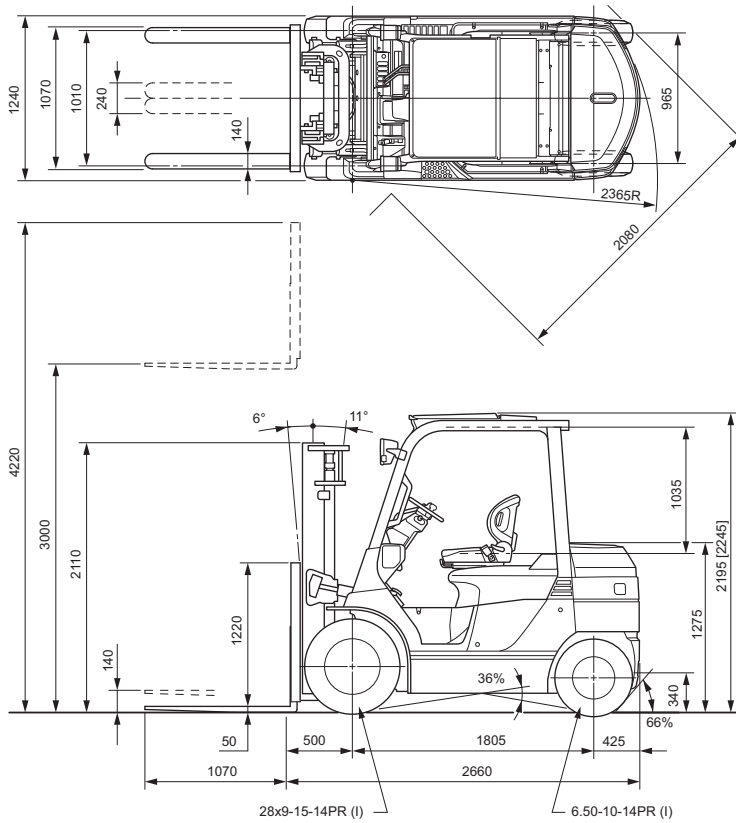
8FBJ35



UNDERCLEARANCE

Mast (Full Load)-----	115
Center of Wheelbase (Full Load)-----	140
Drive Axle (Full Load)-----	155
Steer Axle (No Load)-----	180
Counterweight (No Load)-----	185
Minimum Underclearance (Full Load)---	115(Mast)

8FBHJ35



NOTE: [] with Resin Roof (Resin Roof is standard for 8FBHJ35)

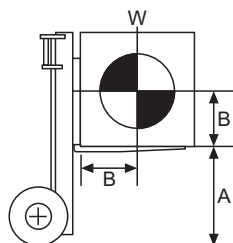
UNDERCLEARANCE

Mast (Full Load)-----	115
Center of Wheelbase (Full Load)-----	140
Drive Axle (Full Load)-----	155
Steer Axle (No Load)-----	180
Counterweight (No Load)-----	185
Minimum Underclearance (Full Load)---	115(Mast)

RATED CAPACITIES

(March 2018)

8FBJ35/8FBHJ35



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

V, FV Mast (8FBJ35, 8FBHJ35 (PSC))

Unit: kg (W)

A (mm)	3000	3300	3500	3700	4000	4500	5000
B (mm)	500	3500	3500	3500	3500	3350 <3500>	2750 <3400>
	600	3180	3180	3180	3180	3040 <3180>	2490 <3090>
	700	2910	2910	2910	2910	2790 <2910>	2290 <2830>
	800	2690	2690	2690	2690	2570 <2690>	2110 <2610>
	900	2490	2490	2490	2490	2390 <2490>	1960 <2420>
	1000	2330	2330	2330	2330	2230 <2330>	1830 <2260>
	1100	2180	2180	2180	2180	2090 <2180>	1710 <2120>
	1200	2050	2050	2050	2050	1960 <2050>	1610 <1990>
	1300	1940	1940	1940	1940	1860 <1940>	1520 <1880>

V, FV Mast (8FBHJ35 (PN))

Unit: kg (W)

A (mm)	3000	3300	3500	3700	4000	4500	5000	
B (mm)	500	3500	3450 <3500>	3450 <3500>	3450 <3500>	3450 <3500>	3300 <3400>	2700 <3400>
	600	3180	3130 <3180>	3130 <3180>	3130 <3180>	3130 <3180>	2990 <3180>	2450 <3090>
	700	2910	2870 <2910>	2870 <2910>	2870 <2910>	2870 <2910>	2740 <2910>	2240 <2830>
	800	2690	2650 <2690>	2650 <2690>	2650 <2690>	2650 <2690>	2530 <2690>	2070 <2610>
	900	2490	2460 <2490>	2460 <2490>	2460 <2490>	2460 <2490>	2350 <2490>	1920 <2420>
	1000	2330	2290 <2330>	2290 <2330>	2290 <2330>	2290 <2330>	2190 <2330>	1790 <2260>
	1100	2180	2150 <2180>	2150 <2180>	2150 <2180>	2150 <2180>	2060 <2180>	1680 <2120>
	1200	2050	2020 <2050>	2020 <2050>	2020 <2050>	2020 <2050>	1940 <2050>	1580 <1990>
	1300	1940	1910 <1940>	1910 <1940>	1910 <1940>	1910 <1940>	1830 <1940>	1490 <1880>

NOTE: <> for dual tire models.

For the data of single tire models on the above chart is for standard tire. The rated capacity for single tire models varies depending on tire options.

FSV Mast (8FBJ35, 8FBHJ35 (PSC))

Unit: kg (W)

A (mm)	3700	4000	4300	4500	4700	5000	5500	6000
B (mm)	500	3500	3500	2900 <3400>	2900 <3400>	2500 <3300>	1950 <2900>	1500 <2200>
	600	3180	3180	2630 <3090>	2630 <3090>	2270 <3000>	1770 <2630>	1360 <2000>
	700	2920	2920	2420 <2830>	2420 <2830>	2080 <2750>	1620 <2420>	1250 <1830>
	800	2690	2690	2230 <2620>	2230 <2620>	1920 <2540>	1500 <2230>	1150 <1690>
	900	2500	2500	2070 <2430>	2070 <2430>	1790 <2360>	1390 <2070>	1070 <1570>
	1000	2340	2340	1930 <2270>	1930 <2270>	1670 <2200>	1300 <1930>	1000 <1470>
	1100	2190	2190	1810 <2130>	1810 <2130>	1560 <2060>	1220 <1810>	940 <1370>
	1200	2060	2060	1710 <2000>	1710 <2000>	1470 <1940>	1150 <1710>	880 <1290>
	1300	1950	1950	1610 <1890>	1610 <1890>	1390 <1840>	1080 <1610>	830 <1220>

FSV Mast (8FBHJ35 (PN))

Unit: kg (W)

A (mm)		3700	4000	4300	4500	4700	5000	5500	6000
B (mm)	500	3450 <3500>	3450 <3500>	3450 <3500>	2850 <3400>	2850 <3400>	2450 <3300>	1900 <2900>	1450 <2200>
	600	3130 <3180>	3130 <3180>	3130 <3180>	2590 <3090>	2590 <3090>	2220 <3000>	1720 <2630>	1310 <2000>
	700	2870 <2920>	2870 <2920>	2870 <2920>	2370 <2830>	2370 <2830>	2040 <2750>	1580 <2420>	1210 <1830>
	800	2650 <2690>	2650 <2690>	2650 <2690>	2190 <2620>	2190 <2620>	1880 <2540>	1460 <2230>	1110 <1690>
	900	2470 <2500>	2470 <2500>	2470 <2500>	2040 <2430>	2040 <2430>	1750 <2360>	1360 <2070>	1030 <1570>
	1000	2300 <2340>	2300 <2340>	2300 <2340>	1900 <2270>	1900 <2270>	1630 <2200>	1270 <1930>	960 <1470>
	1100	2160 <2190>	2160 <2190>	2160 <2190>	1780 <2130>	1780 <2130>	1530 <2060>	1190 <1810>	900 <1370>
	1200	2030 <2060>	2030 <2060>	2030 <2060>	1680 <2000>	1680 <2000>	1440 <1940>	1120 <1710>	850 <1290>
	1300	1920 <1950>	1920 <1950>	1920 <1950>	1580 <1890>	1580 <1890>	1360 <1840>	1050 <1610>	800 <1220>

NOTE: <> for dual tire models.

For the data of single tire models on the above chart is for standard tire. The rated capacity for single tire models varies depending on tire options.

SPECIAL TREAD

(March 2018)

Model		8FBJ35/8FBHJ35			
Front Tire	Single/Dual	Single	Dual	Dual	Dual
Front Tire Size		28x9-15-14PR (I)	6.00-15-10PR (I)	28x8-15-12PR (I)	
Overall Width	mm	1240	1525	1725	
Tread, Front	mm	1010	1155	1290	

SPECIAL MAST

(March 2018)

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

Model		8FBJ35/8FBHJ35													
Type of Mast		V				FV				FSV					
PERFORMANCE															
Power Mode		H	P	S	E	H	P	S	E	H	P	S	E		
Speeds	Lifting	Full Load	mm/sec	270	190	190	180	270	195	195	180	270	195	195	180
	No Load	mm/sec	460	340	340	300	430	330	330	285	430	330	330	285	
Lowering	Full Load	mm/sec	500	500	500	500	460	460	460	460	460	460	460	460	
	No Load	mm/sec	450	450	450	450	390	390	390	390	420	420	420	420	
DIMENSIONS															
Load Distance (Centerline of front axle to front face of forks)		mm	500				500				510				

NOTE: H High power mode / P Power mode / S Standard mode / E Eco mode

MAST SPECIFICATIONS & RATED CAPACITIES

(March 2018)

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

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Mast Type	Maximum Fork Height	Overall Height		Free Lift		Single tire			Dual tire			
		Lowered	Extended		Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
			Without Load Backrest	With Standard Load Backrest			FWD	BWD		FWD	BWD	
mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg	
V	2500	1890	3360	3720	140	140	6	11	3500	6	11	3500
	2700	1990	3560	3920	140	140	6	11	3500	6	11	3500
	3000	2110	3860	4220	140	140	6	11	3500	6	11	3500
	3300	2290	4160	4520	140	140	6	11	3500	6	11	3500
	3500	2390	4360	4720	140	140	6	11	3500	6	11	3500
	3700	2490	4560	4920	140	140	6	11	3500	6	11	3500
	4000	2740	4860	5220	140	140	6	11	3500	6	11	3500
	4500	2990	5360	5720	140	140	6	5	3350	6	5	3500
	5000	3240	5860	6220	140	140	6	5	2750	6	5	3400
FV	3000	2110	3725	4220	1385	890	6	11	3500	6	11	3500
	3300	2290	4025	4520	1565	1070	6	11	3500	6	11	3500
	3500	2390	4225	4720	1665	1170	6	11	3500	6	11	3500
	3700	2490	4425	4920	1765	1270	6	11	3500	6	11	3500
	4000	2740	4725	5220	2015	1520	6	11	3500	6	11	3500

Mast Type	Maximum Fork Height	Overall Height				Free Lift		Single tire			Dual tire		
		Lowered	Extended		Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC	
			Without Load Backrest	With Standard Load Backrest			FWD	BWD		FWD	BWD		
			mm	mm			deg	deg		deg	deg		kg
FSV	3700	2020	4425	4920	1295	800	6	5	3500	6	5	3500	
	4000	2170	4725	5220	1445	950	6	5	3500	6	5	3500	
	4300	2225	5025	5520	1495	1005	6	5	3500	6	5	3500	
	4500	2270	5225	5720	1545	1050	6	5	2900	6	5	3400	
	4700	2430	5425	5920	1705	1210	6	5	2900	6	5	3400	
	5000	2620	5725	6220	1895	1400	6	5	2500	6	5	3300	
	5500	2870	6225	6720	2145	1650	6	5	1950	6	5	2900	
6000	3120	6725	7220	2395	1900	6	5	1500	6	5	2200		

NOTE: Height of standard load backrest is 1220 mm.

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Mast Type	Maximum Fork Height	Overall Height				Free Lift		Single tire				Dual tire	
		Lowered	Extended		Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC		Tilt Range		Load Capacity at 500 mm LC
			Without Load Backrest	With Standard Load Backrest			FWD	BWD	PSC	PN	FWD	BWD	
			mm	mm			deg	deg	kg	kg	deg	deg	
V	2500	1890	3360	3720	140	140	6	11	3500	3500	6	11	3500
	2700	1990	3560	3920	140	140	6	11	3500	3500	6	11	3500
	3000	2110	3860	4220	140	140	6	11	3500	3500	6	11	3500
	3300	2290	4160	4520	140	140	6	11	3500	3450	6	11	3500
	3500	2390	4360	4720	140	140	6	11	3500	3450	6	11	3500
	3700	2490	4560	4920	140	140	6	11	3500	3450	6	11	3500
	4000	2740	4860	5220	140	140	6	11	3500	3450	6	11	3500
	4500	2990	5360	5720	140	140	6	5	3350	3300	6	5	3500
	5000	3240	5860	6220	140	140	6	5	2750	2700	6	5	3400
FV	3000	2110	3725	4220	1385	890	6	11	3500	3500	6	11	3500
	3300	2290	4025	4520	1565	1070	6	11	3500	3450	6	11	3500
	3500	2390	4225	4720	1665	1170	6	11	3500	3450	6	11	3500
	3700	2490	4425	4920	1765	1270	6	11	3500	3450	6	11	3500
FSV	4000	2740	4725	5220	2015	1520	6	11	3500	3450	6	11	3500
	3700	2020	4425	4920	1295	800	6	5	3500	3450	6	5	3500
	4000	2170	4725	5220	1445	950	6	5	3500	3450	6	5	3500
	4300	2225	5025	5520	1495	1005	6	5	3500	3450	6	5	3500
	4500	2270	5225	5720	1545	1050	6	5	2900	2850	6	5	3400
	4700	2430	5425	5920	1705	1210	6	5	2900	2850	6	5	3400
	5000	2620	5725	6220	1895	1400	6	5	2500	2450	6	5	3300
5500	2870	6225	6720	2145	1650	6	5	1950	1900	6	5	2900	
6000	3120	6725	7220	2395	1900	6	5	1500	1450	6	5	2200	

NOTE: Height of standard load backrest is 1220 mm.