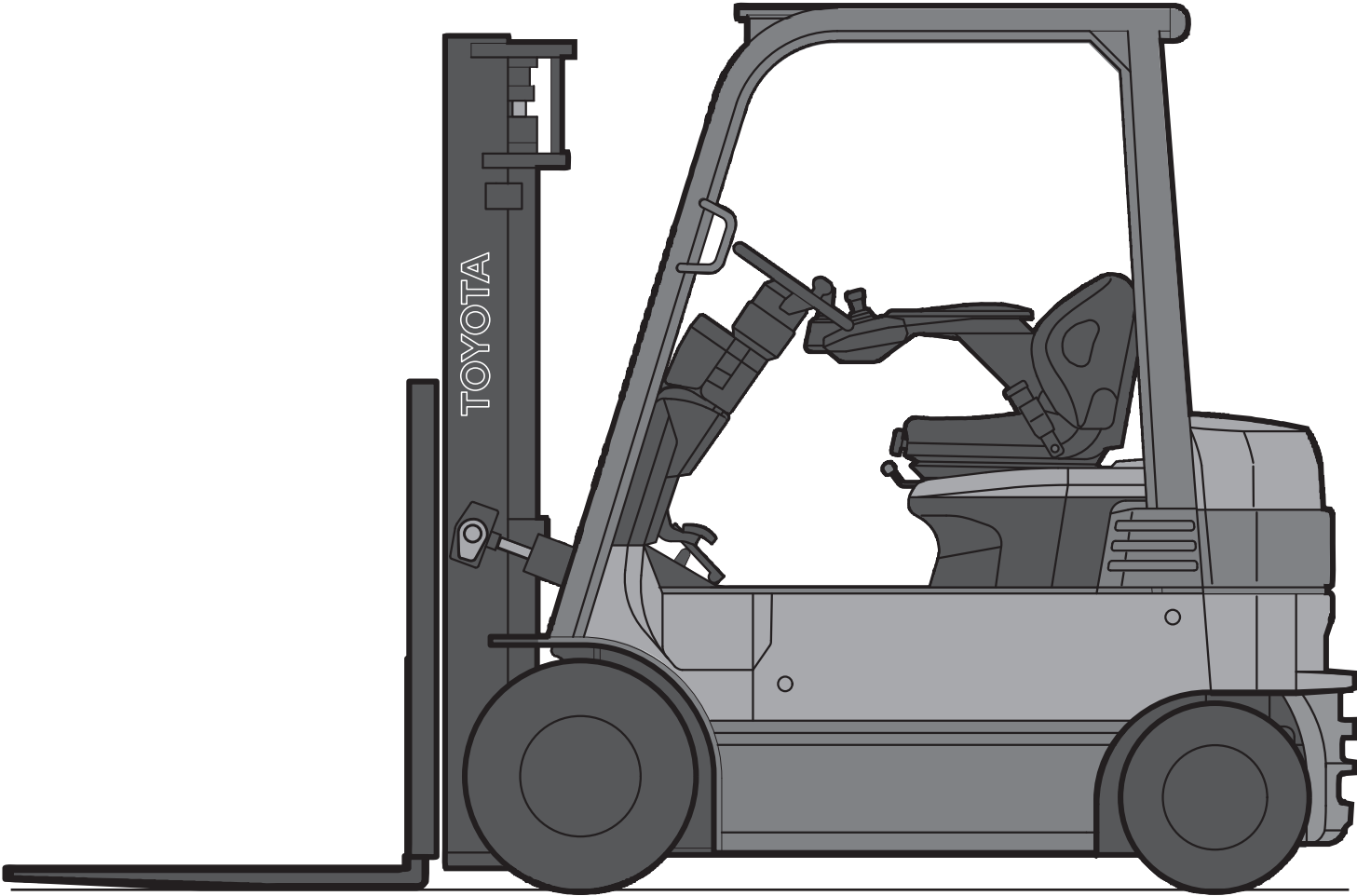


Electric Powered Forklift

7FBMF and 7FBMF-S

1.6 to 5.0 ton

Series



1,600 - 1,800 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			7FBMF16	7FBMF18
	1.3	Power			electric	electric
	1.4	Operator Type			rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	1600	1800
	1.6	Load centre	c	mm	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	410	410
	1.9	Wheelbase	y	mm	1420	1420
	Weight	2.1	Truck weight ¹⁾		kg	3500
2.2		Axle loadings, laden front/rear		kg	4460/650	4770/670
2.3		Axle loadings, unladen front/rear		kg	1840/1680	1820/1830
Tyres, chassis	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE
	3.2	Tyre size - front			21x8-9	21x8-9
	3.3	Tyre size - rear			5.00-8	5.00-8
	3.5	Wheels - number front/rear (x = driven wheels)			2x/2	2x/2
	3.6	Tread - front	b ₁₀	mm	920	920
	3.7	Tread - rear	b ₁₁	mm	895	895
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	7/9
4.2		Height, mast lowered	h ₁	mm	2120	2120
4.3		Free lift	h ₂	mm	150	150
4.4		Lift	h ₃	mm	3300	3300
4.5		Height, mast extended	h ₄	mm	4520	4520
4.7		Height of overhead guard	h ₆	mm	2195	2195
4.8		Seat height	h ₇	mm	1115	1115
4.12		Coupling height	h ₁₀	mm	355	355
4.19		Overall length	l ₁	mm	2965	2965
4.20		Length to face of forks	l ₂	mm	2165	2165
4.21		Overall width	b ₁	mm	1135	1135
4.22		Fork dimensions	s/e/l	mm	40/80/800	40/80/800
4.23		Fork carriage DIN 15 173, class/type A,B			II	II
4.24		Fork carriage width	b ₃	mm	920	920
4.31		Ground clearance, laden, below mast	m ₁	mm	90	90
4.32		Ground clearance, centre of wheelbase	m ₂	mm	90	90
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	3480	3480
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	3680	3680
4.35		Turning radius	W _a	mm	1870	1870
4.36	Internal turning radius	b ₁₃	mm	572.5	572.5	
Performance	5.1	Travel speed, laden/unladen		km/h	16/17	15.5/17
	5.2	Lift speed, laden/unladen		m/s	0.52/0.78	0.48/0.78
	5.3	Lowering speed, laden/unladen		m/s	0.50/0.50	0.50/0.50
	5.5	Drawbar pull, laden/unladen ²⁾		N	9700/9600	9600/9500
	5.6	Max. drawbar pull, laden/unladen ²⁾		N	12100/11800	12100/11800
	5.7	Gradeability, laden/unladen ²⁾		%	22/30	21/28
	5.8	Max. gradeability, laden/unladen ²⁾		%	25/30	23/28
	5.9	Acceleration time, laden/unladen		s	4.6/4.1	4.7/4.1
	5.10	Service brake			hydraulic	hydraulic
	Motor	6.1	Drive motor rating S2 60min		kW	13.3
6.2		Lift motor rating S3 15%		kW	13.5	13.5
6.3		Battery acc. to DIN 43 531/ 35/ 36 A, B, C			43536	43536
6.4		Battery voltage/nominal capacity		V/Ah	80/400	80/400
6.5		Battery weight ³⁾		kg	1210	1210
6.6		Energy consumption acc to VDI cycle		kWh/h		
Others	8.1	Type of drive control			transistor inverter	transistor inverter
	8.2	Operating pressure for attachments		bar	165	165
	8.3	Oil volume for attachments		l/min	44	44
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	69	69
	8.5	Towing coupling, type DIN				

* aisle width calculation based on VDI 2198

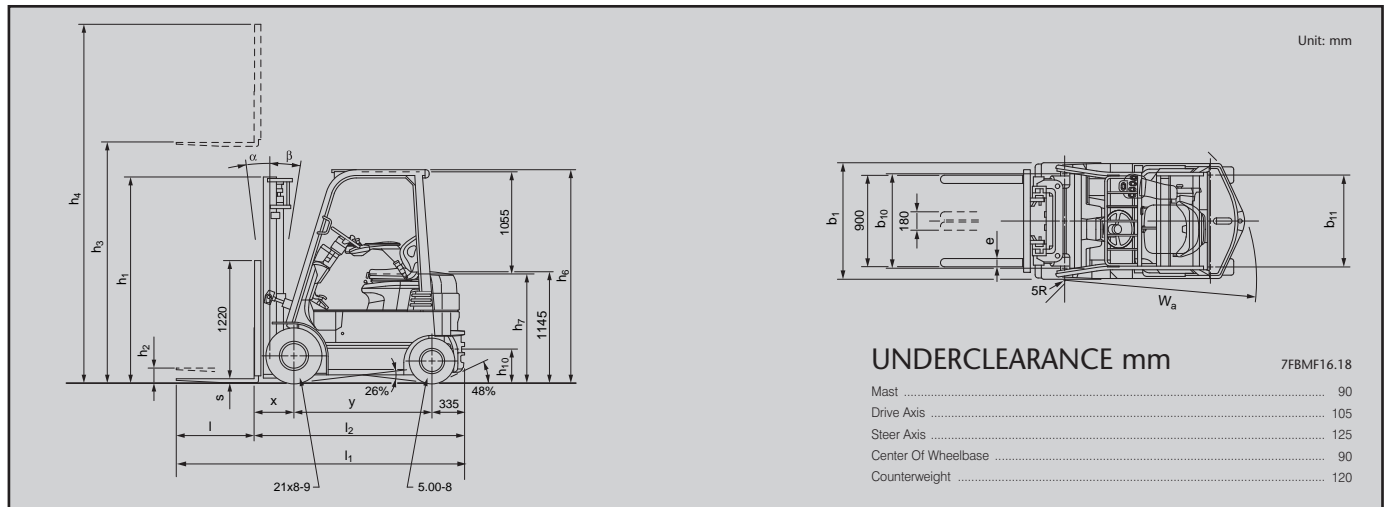
¹⁾ With h₃= 3300mm and battery weight= 1210kg

²⁾ Computed values

³⁾ According to DIN 43536; min. battery weight required by Toyota = 1220 kg

7FBMF16, 7FBMF18

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Model	7FBMF16.18		
Tyre Type	Standard Tyre		Over Size Tyre
Front Tyre Standard/Wide Tread	Standard	Wide	Standard
Front Tyre Size	21x8-9	21x8-9	6.50-10
Overall Width	mm 1135	1170	1110
Tread, Front	mm 920	975	945

MAST SPECIFICATION & RATED CAPACITIES

Model	Mast Type	Maximum Fork Height	Overall Height			Free Lift		Single Tyre (STD Tread)			Single Tyre (Wide Tread)		
			*Lowered	Extended Without Load Backrest	h ₄	Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
			h ₁	h ₂	h ₂	FWD	BWD	FWD	BWD				
mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg		
7FBMF 16	V	3000	1970	3600	150	150	7	9 <5>	1600	7	9 <5>	1600	
		3300	2120	3900	150	150	7	9 <5>	1600	7	9 <5>	1600	
		3500	2220	4100	150	150	7	9 <5>	1600	7	9 <5>	1600	
		3700	2380	4300	150	150	7	9 <5>	1600	7	9 <5>	1600	
		4000	2570	4600	150	150	7	9 <5>	1600	7	9 <5>	1600	
		4500	2820	5100	150	150	7	5	1600	7	5	1600	
	5000	3070	5600	150	150	7	5	1600	7	5	1600		
	FV	3000	1970	3550	1410 [1135]	760	7	9 <(5)>	1600	7	9 <(5)>	1600	
		3300	2120	3850	1560 [1285]	910	7	9 <(5)>	1600	7	9 <(5)>	1600	
		3500	2220	4050	1660 [1385]	1010	7	9 <(5)>	1600	7	9 <(5)>	1600	
		3700	2380	4250	1820 [1545]	1170	7	9 <(5)>	1600	7	9 <(5)>	1600	
		4000	2570	4550	2010 [1735]	1360	7	9 <(5)>	1600	7	9 <(5)>	1600	
		FSV	3700	1770	4225	1235 [1165]	560	7	5	1600	7	5	1600
	4000		1870	4525	1335 [1265]	660	7	5	1600	7	5	1600	
	4300		1970	4825	1435 [1365]	760	7	5	1600	7	5	1600	
	4700		2120	5225	1585 [1515]	910	7	5	1600	7	5	1600	
	5000		2220	5525	1685 [1615]	1010	7	5	1590	7	5	1590	
	5500		2380	6025	1845 [1775]	1170	7	5	1530	7	5	1530	
6000	2570	6525	2035 [1965]	1360	7	5	1360	7	5	1470			
7FBMF 18	V	3000	1970	3600	150	150	7	9 <5>	1800	7	9 <5>	1800	
		3300	2120	3900	150	150	7	9 <5>	1800	7	9 <5>	1800	
		3500	2220	4100	150	150	7	9 <5>	1800	7	9 <5>	1800	
		3700	2380	4300	150	150	7	9 <5>	1800	7	9 <5>	1800	
		4000	2570	4600	150	150	7	9 <5>	1800	7	9 <5>	1800	
		4500	2820	5100	150	150	7	5	1800	7	5	1800	
	5000	3070	5600	150	150	7	5	1780	7	5	1800		
	FV	3000	1970	3550	1410 [1135]	760	7	9 <(5)>	1800	7	9 <(5)>	1800	
		3300	2120	3850	1560 [1285]	910	7	9 <(5)>	1800	7	9 <(5)>	1800	
		3500	2220	4050	1660 [1385]	1010	7	9 <(5)>	1800	7	9 <(5)>	1800	
		3700	2380	4250	1820 [1545]	1170	7	9 <(5)>	1800	7	9 <(5)>	1800	
		4000	2570	4550	2010 [1735]	1360	7	9 <(5)>	1800	7	9 <(5)>	1800	
		FSV	3700	1770	4225	1235 [1165]	560	7	5	1800	7	5	1800
	4000		1870	4525	1335 [1265]	660	7	5	1800	7	5	1800	
	4300		1970	4825	1435 [1365]	760	7	5	1800	7	5	1800	
	4700		2120	5225	1585 [1515]	910	7	5	1780	7	5	1780	
	5000		2220	5525	1685 [1615]	1010	7	5	1750	7	5	1740	
	5500		2380	6025	1845 [1775]	1170	7	5	1650	7	5	1670	
6000	2570	6525	2035 [1965]	1360	7	5	1340	7	5	1600			

NOTE: Height of standard load backrest is 1220 mm. h₄ with standard load backrest is + 620 mm (V), + 670 mm (FV), + 695 mm (FSV)

*with optional tyre size, 6.50-10-12PR (I), plus 20 mm.

Data in "[]" are for when "A4 piping" is selected.

Data in "()" are for when "A410, A430, A450" is selected.

Data in "< >" are for when "cabin Series" is selected.

The Load capacity in this table is the value when with the pneumatic shaped cushion tyre.

2,000 - 2,500 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA	TOYOTA	TOYOTA	TOYOTA
	1.2	Model			7FBMF20	7FBMF20-S	7FBMF25	7FBMF25-S
	1.3	Power			electric	electric	electric	electric
	1.4	Operator Type			rider seated	rider seated	rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	2000	2000	2500	2500
	1.6	Load centre	c	mm	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	430	430	430	430
	1.9	Wheelbase	y	mm	1580	1580	1580	1580
	Weight	2.1	Truck weight ¹⁾		kg	4018	4018	4358
2.2		Axle loadings, laden front/rear		kg	5330/770	5330/770	6110/830	6110/830
2.3		Axle loadings, unladen front/rear		kg	2150/1950	2150/1950	2140/2300	2140/2300
Tyres, chassis	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE	SE
	3.2	Tyre size - front			21x8-9	23x9-10	23x9-10	23x9-10
	3.3	Tyre size - rear			5.00-8	5.00-8	18x7-8	18x7-8
	3.5	Wheels - number front/rear (x = driven wheels)			2x/2	2x/2	2x/2	2x/2
	3.6	Tread - front	b ₁₀	mm	970	970	970	970
	3.7	Tread - rear	b ₁₁	mm	895	895	940	940
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	7/9	7/9	6/10
4.2		Height, mast lowered	h ₁	mm	2120	2145	2145	2145
4.3		Free lift	h ₂	mm	125	125	125	125
4.4		Lift	h ₃	mm	3300	3300	3300	3300
4.5		Height, mast extended	h ₄	mm	4520	4520	4520	4520
4.7		Height of overhead guard	h ₆	mm	2195	2215	2215	2215
4.8		Seat height	h ₇	mm	1115	1115	1130	1130
4.12		Coupling height	h ₁₀	mm	355	355	355	355
4.19		Overall length	l ₁	mm	3355	3355	3365	3365
4.20		Length to face of forks	l ₂	mm	2355	2355	2365	2365
4.21		Overall width	b ₁	mm	1170	1170	1170	1170
4.22		Fork dimensions	s/e/l	mm	40/100/1000	40/100/1000	40/100/1000	40/100/1000
4.23		Fork carriage DIN 15 173, class/type A, B			II	II	II	II
4.24		Fork carriage width	b ₃	mm	1020	1020	1020	1020
4.31		Ground clearance, laden, below mast	m ₁	mm	90	115	115	115
4.32		Ground clearance, centre of wheelbase	m ₂	mm	90	110	110	110
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	3650	3650	3660	3660
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	3850	3850	3860	3860
4.35	Turning radius	W _a	mm	2020	2020	2030	2030	
4.36	Internal turning radius	b ₁₃	mm	600	600	600	600	
Performance	5.1	Travel speed, laden/unladen		km/h	15/16	20/21	16/17	20/21
	5.2	Lift speed, laden/unladen		m/s	0.48/0.63	0.48/0.63	0.46/0.63	0.46/0.63
	5.3	Lowering speed, laden/unladen		m/s	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50
	5.5	Drawbar pull, laden/unladen ²⁾		N	11800/11500	6140/6220	10200/10200	5970/6150
	5.6	Max. drawbar pull, laden/unladen ²⁾		N	16400/15900	13800/13500	14400/14200	13600/13500
	5.7	Gradeability, laden/unladen ²⁾		%	28/31	17/25	21/28	14/23
	5.8	Max. gradeability, laden/unladen ²⁾		%	29/31	24/31	22/28	21/28
	5.9	Acceleration time, laden/unladen		s	4.6/4.0		4.6/4.0	
	5.10	Service brake			hydraulic	hydraulic	hydraulic	hydraulic
	Motor	6.1	Drive motor rating S2 60min		kW	17.1	17.1	17.1
6.2		Lift motor rating S3 15%		kW	18.6	18.6	18.6	18.6
6.3		Battery acc. to DIN 43 531/ 35/ 36 A, B, C			43536	43536	43536	43536
6.4		Battery voltage/nominal capacity		V/Ah	80/500	80/500	80/500	80/500
6.5		Battery weight ³⁾		kg	1458	1458	1458	1458
6.6		Energy consumption acc to VDI cycle		kWh/h				
Others	8.1	Type of drive control			transistor inverter	transistor inverter	transistor inverter	transistor inverter
	8.2	Operating pressure for attachments		bar	185	185	185	185
	8.3	Oil volume for attachments		l/min	43	43	43	43
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	69	69	69	69
	8.5	Towing coupling, type DIN						

* aisle width calculation based on VDI 2198

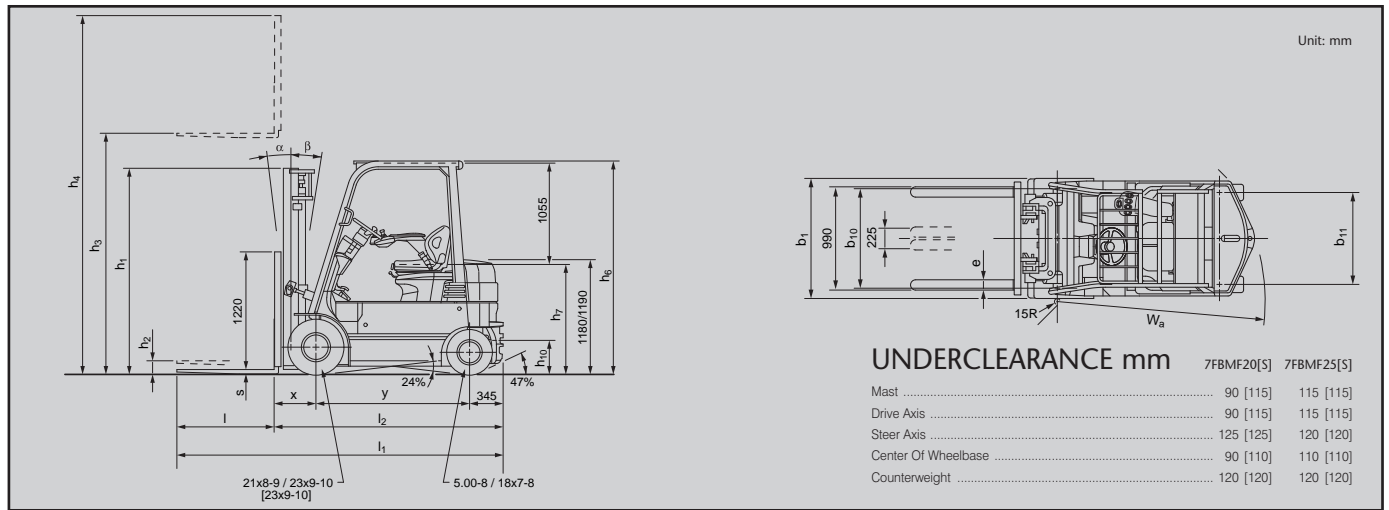
¹⁾ With h₃= 3300mm and battery weight = 1458kg

²⁾ Computed values

³⁾ According to DIN 43536; min. battery weight required by Toyota = 1530 kg

7FBMF20, 7FBMF25

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Model	7FBMF20				7FBMF25		
	Standard Tyre		Over Size Tyre		Standard	Wide	
Front Tyre	Standard/Wide Tread	Standard	Wide	Standard	Wide	Standard	Wide
Front Tyre Size		21x8-9	21x8-9	23x9-10	23x9-10	23x9-10	23x9-10
Overall Width	mm	1170	1300	1175	1300	1170	1300
Tread, Front	mm	970	1100	975	1100	970	1100

MAST SPECIFICATION & RATED CAPACITIES

Model	Mast Type	Maximum Fork Height	Overall Height			Free Lift		Single Tyre (STD Tread)			Single Tyre (Wide Tread)		
			*Lowered	Extended Without Load Backrest	h ₄	Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
			h ₁	h ₂	h ₃	h ₂	h ₂	FWD deg	BWD deg		FWD deg	BWD deg	
		mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg	
7FBMF 20	V	3000	1970	3655	125	125	7	9 <5>	2000	7	9 <5>	2000	
		3300	2120	3955	125	125	7	9 <5>	2000	7	9 <5>	2000	
		3500	2220	4155	125	125	7	9 <5>	2000	7	9 <5>	2000	
		3700	2380	4355	125	125	7	9 <5>	2000	7	9 <5>	2000	
		4000	2570	4655	125	125	7	9 <5>	2000	7	9 <5>	2000	
		4500	2820	5155	125	125	7	5	2000	7	5	2000	
	5000	3070	5655	125	125	7	5	2000	7	5	2000		
	FV	3000	1970	3595	1365 [1140]	760	7	9 <(5)>	2000	7	9 <(5)>	2000	
		3300	2120	3895	1515 [1290]	910	7	9 <(5)>	2000	7	9 <(5)>	2000	
		3500	2220	4095	1615 [1390]	1010	7	9 <(5)>	2000	7	9 <(5)>	2000	
		3700	2380	4295	1775 [1550]	1170	7	9 <(5)>	2000	7	9 <(5)>	2000	
		4000	2570	4595	1965 [1740]	1360	7	9 <(5)>	2000	7	9 <(5)>	2000	
		4500	2820	5155	1965 [1740]	1360	7	9 <(5)>	2000	7	9 <(5)>	2000	
	FSV	3700	1770	4335	1125	560	7	5	2000	7	5	2000	
		4000	1870	4635	1225	660	7	5	2000	7	5	2000	
		4300	1970	4935	1325	760	7	5	2000	7	5	2000	
		4700	2120	5335	1475	910	7	5	2000	7	5	2000	
		5000	2220	5635	1575	1010	7	5	1980	7	5	1980	
5500		2380	6135	1735	1170	7	5	1910	7	5	1910		
6000	2570	6635	1925	1360	7	5	1710	7	5	1840			
7FBMF 25	V	3000	1995	3655	125	125	6	10 <6>	2500	6	10 <6>	2500	
		3300	2145	3955	125	125	6	10 <6>	2500	6	10 <6>	2500	
		3500	2245	4155	125	125	6	10 <6>	2500	6	10 <6>	2500	
		3700	2405	4355	125	125	6	10 <6>	2500	6	10 <6>	2500	
		4000	2595	4655	125	125	6	10 <6>	2500	6	10 <6>	2500	
		4500	2845	5155	125	125	6	6	2500	6	6	2500	
	5000	3095	5655	125	125	6	6	2460	6	6	2460		
	FV	3000	1995	3595	1390 [1135]	785	6	10 <(6)>	2500	6	10 <(6)>	2500	
		3300	2145	3895	1540 [1285]	935	6	10 <(6)>	2500	6	10 <(6)>	2500	
		3500	2245	4095	1640 [1385]	1035	6	10 <(6)>	2500	6	10 <(6)>	2500	
		3700	2405	4295	1800 [1545]	1195	6	10 <(6)>	2500	6	10 <(6)>	2500	
		4000	2595	4595	1990 [1735]	1385	6	10 <(6)>	2500	6	10 <(6)>	2500	
		4500	2845	5155	1990 [1735]	1385	6	10 <(6)>	2500	6	10 <(6)>	2500	
	FSV	3700	1795	4335	1150	585	6	6	2500	6	6	2500	
		4000	1895	4635	1250	685	6	6	2500	6	6	2500	
		4300	1995	4935	1350	785	6	6	2480	6	6	2500	
		4700	2145	5335	1500	935	6	6	2420	6	6	2450	
		5000	2245	5635	1600	1035	6	6	2380	6	6	2400	
5500		2405	6135	1760	1195	6	6	2060	6	6	2300		
6000	2595	6635	1950	1385	6	6	1660	6	6	2200			

NOTE: Height of standard load backrest is 1220 mm. h₄ with standard load backrest is + 565 mm (V), + 625 mm (FV), + 585 mm (FSV).

*for 7FBMF20: with optional tyre size: 23x9-10PR (I), plus 25 mm.

Data in "I" are for when "A4 piping" is selected.

Data in "C" are for when "A410, A430, A450" is selected.

Data in "<>" are for when "cabin Series" is selected.

The Load capacity in this table is the value when with the pneumatic shaped cushion tyre.

3,000 - 3,500 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA	TOYOTA	TOYOTA
	1.2	Model			7FBMF30	7FBMF30-S	7FBMF35
	1.3	Power			electric	electric	electric
	1.4	Operator Type			rider seated	rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	3000	3000	3500
	1.6	Load centre	c	mm	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	460	460	495
	1.9	Wheelbase	y	mm	1725	1725	1725
	Weight	2.1	Truck weight ¹⁾		kg	5001	5001
2.2		Axle loadings, laden front/rear		kg	7200/870	7200/870	8130/1090
2.3		Axle loadings, unladen front/rear		kg	2530/2540	2530/2540	2620/3100
Tyres, chassis	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE
	3.2	Tyre size - front			23x10-12	23x10-12	23x10-12
	3.3	Tyre size - rear			18x7-8	18x7-8	18x7-8
	3.5	Wheels - number front/rear (x = driven wheels)			2x/2	2x/2	2x/2
	3.6	Tread - front	b ₁₀	mm	970	970	970
	3.7	Tread - rear	b ₁₁	mm	940	940	940
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	6/10	6/10
4.2		Height, mast lowered	h ₁	mm	2130	2130	2300
4.3		Free lift	h ₂	mm	135	135	135
4.4		Lift	h ₃	mm	3300	3300	3300
4.5		Height, mast extended	h ₄	mm	4520	4520	4520
4.7		Height of overhead guard	h ₆	mm	2215	2215	2215
4.8		Seat height	h ₇	mm	1130	1130	1130
4.12		Coupling height	h ₁₀	mm	355	355	355
4.19		Overall length	l ₁	mm	3540	3540	3630
4.20		Length to face of forks	l ₂	mm	2540	2540	2630
4.21		Overall width	b ₁	mm	1220	1220	1220
4.22		Fork dimensions	s/e/l	mm	45/100/1000	45/100/1000	45/125/1000
4.23		Fork carriage DIN 15 173, class/type A,B			III	III	III
4.24		Fork carriage width	b ₃	mm	1070	1070	1070
4.31		Ground clearance, laden, below mast	m ₁	mm	100	100	150
4.32		Ground clearance, centre of wheelbase	m ₂	mm	110	110	110
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	3820	3820	3910
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	4020	4020	4110
4.35	Turning radius	W _a	mm	2160	2160	2215	
4.36	Internal turning radius	b ₁₃	mm	680	680	680	
Performance	5.1	Travel speed, laden/unladen		km/h	15/16	20/21	14/16
	5.2	Lift speed, laden/unladen		m/s	0.44/0.55	0.44/0.55	0.37/0.47
	5.3	Lowering speed, laden/unladen		m/s	0.50/0.45	0.50/0.45	0.50/0.45
	5.5	Drawbar pull, laden/unladen ²⁾		N	9900/10200	5720/6150	9600/10100
	5.6	Max. drawbar pull, laden/unladen ²⁾		N	14100/14100	13300/13400	13600/14000
	5.7	Gradeability, laden/unladen ²⁾		%	18/29	12/20	15/25
	5.8	Max. gradeability, laden/unladen ²⁾		%	18/29	17/28	15/26
	5.9	Acceleration time, laden/unladen		s	4.8/4.2		5.0/4.4
	5.10	Service brake			hydraulic	hydraulic	hydraulic
	Motor	6.1	Drive motor rating S2 60min		kW	17.1	17.1
6.2		Lift motor rating S3 15%		kW	18.6	18.6	18.6
6.3		Battery acc. to DIN 43 531/ 35/ 36 A, B, C			43536	43536	43536
6.4		Battery voltage/nominal capacity		V/Ah	80/600	80/600	80/600
6.5		Battery weight ³⁾		kg	1721	1721	1721
6.6		Energy consumption acc to VDI cycle		kWh/h			
Others	8.1	Type of drive control			transistor inverter	transistor inverter	transistor inverter
	8.2	Operating pressure for attachments		bar	185	185	185
	8.3	Oil volume for attachments		l/min	43	43	43
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	71	71	71
	8.5	Towing coupling, type DIN					

* aisle width calculation based on VDI 2198

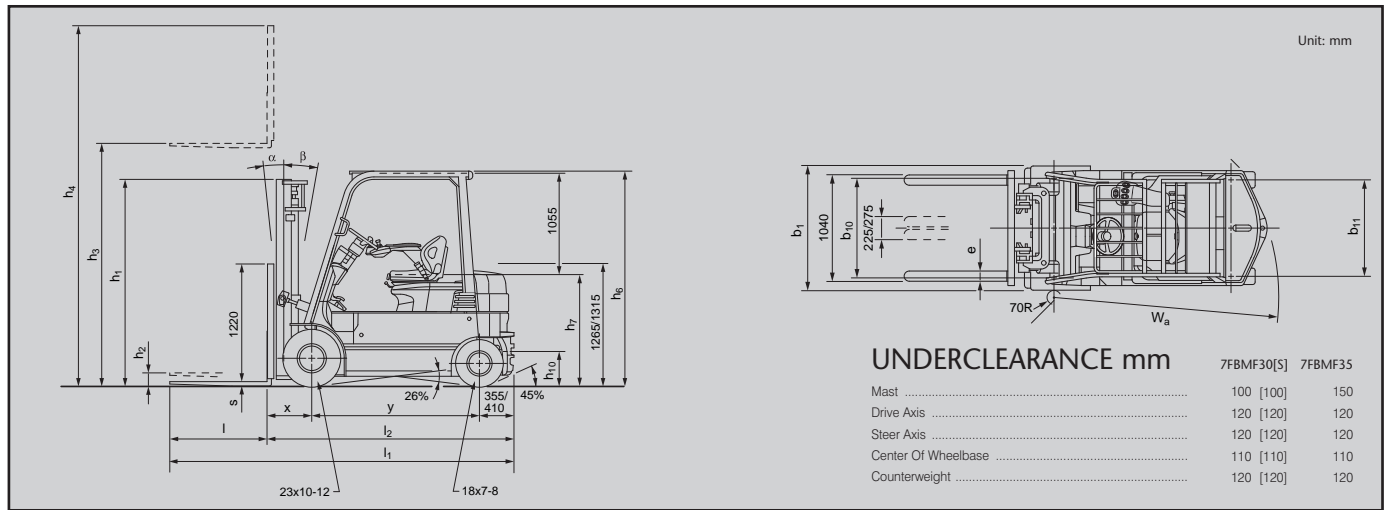
¹⁾ With h₃= 3300mm and battery weight= 1721kg

²⁾ Computed values

³⁾ According to DIN 43536; min. battery weight required by Toyota = 1780 kg

7FBMF30, 7FBMF35

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Model	7FBMF30.35	
Tyre Type	Standard Tyre	
Front Tyre	Standard/Wide Tread	
Front Tyre Size	23x10-12	23x10-12
Overall Width	mm	1220
Tread, Front	mm	970

MAST SPECIFICATION & RATED CAPACITIES

Model	Mast Type	Maximum Fork Height h ₃	Overall Height		Free Lift		Single Tyre (STD Tread)			Single Tyre (Wide Tread)		
			Lowered h ₁	Extended Load Backrest h ₄	Without Load Backrest h ₂	With Standard Load Backrest h ₂	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
							FWD deg	BWD deg		FWD deg	BWD deg	
7FBMF 30	V	3000	1980	3675	135	135	6	10 <6>	3000	6	10 <6>	3000
		3300	2130	3975	135	135	6	10 <6>	3000	6	10 <6>	3000
		3500	2230	4175	135	135	6	10 <6>	3000	6	10 <6>	3000
		3700	2390	4375	135	135	6	10 <6>	3000	6	10 <6>	3000
		4000	2580	4675	135	135	6	10 <6>	3000	6	10 <6>	3000
		4500	2830	5175	135	135	6	6	3000	6	6	3000
	FV	5000	3080	5675	135	135	6	6	2960	6	6	2960
		3000	1980	3570	1410 [1095]	765	6	10 <6>	3000	6	10 <6>	3000
		3300	2130	3870	1560 [1245]	915	6	10 <6>	3000	6	10 <6>	3000
		3500	2230	4070	1660 [1345]	1015	6	10 <6>	3000	6	10 <6>	3000
		3700	2390	4270	1820 [1505]	1175	6	10 <6>	3000	6	10 <6>	3000
		4000	2580	4570	2010 [1695]	1365	6	10 <6>	3000	6	10 <6>	3000
	FSV	3700	1880	4270	1300 [1095]	685	6	6	3000	6	6	3000
		4000	1980	4570	1400 [1195]	765	6	6	3000	6	6	3000
		4300	2130	4870	1550 [1345]	915	6	6	3000	6	6	3000
		4700	2230	5270	1650 [1445]	1015	6	6	2930	6	6	2930
		5000	2390	5570	1810 [1605]	1175	6	6	2880	6	6	2880
		5500	2580	6070	2000 [1795]	1365	6	6	2670	6	6	2780
7FBMF 35	V	6000	2830	6570	2250 [2045]	1615	6	6	2160	6	6	2630
		3000	2120	3865	135	135	6	10 <6>	3500	6	10 <6>	3500
		3300	2300	4165	145	145	6	10 <6>	3500	6	10 <6>	3500
		3500	2400	4365	135	135	6	10 <6>	3500	6	10 <6>	3500
		3700	2500	4565	135	135	6	10 <6>	3500	6	10 <6>	3500
		4000	2750	4865	135	135	6	10 <6>	3500	6	10 <6>	3500
	FSV	4500	3000	5365	135	135	6	6	3500	6	6	3500
		5000	3250	5865	135	135	6	6	3310	6	6	3500
		3700	2030	4425	1300	815	6	6	3500	6	6	3500
		4000	2180	4725	1450	965	6	6	3500	6	6	3500
		4300	2235	5025	1510	1020	6	6	3500	6	6	3500
		4700	2440	5425	1715	1225	6	6	3500	6	6	3500
	FSV	5000	2630	5725	1905	1415	6	6	3440	6	6	3500
		5500	2880	6225	2155	1665	6	6	3320	6	6	3400
		6000	3130	6725	2405	1915	6	6	2790	6	6	3220

NOTE: Height of standard load backrest is 1220 mm. h₄ with standard load backrest is + 545/355 mm (7FBMF30/35 V), + 650 mm (FV), + 650/495 mm (7FBMF30/35 FSV)
 Data in "[]" are for when "A4 piping" is selected.
 Data in "< >" are for when "cabin Series" is selected.
 The Load capacity in this table is the value when with the pneumatic shaped cushion tyre.

4,000 - 4,500 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			7FBMF40	7FBMF45
	1.3	Power			electric	electric
	1.4	Operator Type			rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	4000	4500
	1.6	Load centre	c	mm	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	520	520
	1.9	Wheelbase	y	mm	2080	2080
	Weight	2.1	Truck weight ¹⁾		kg	6481
2.2		Axle loadings, laden front/rear		kg	9520/1030	10250/1150
2.3		Axle loadings, unladen front/rear		kg	3550/3000	3530/3370
Tyres, chassis	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE
	3.2	Tyre size - front			250-15	250-15
	3.3	Tyre size - rear			7.00-12	7.00-12
	3.5	Wheels - number front/rear (x = driven wheels)			2x/2	2x/2
	3.6	Tread - front	b ₁₀	mm	1120	1120
	3.7	Tread - rear	b ₁₁	mm	1090	1090
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	7/12
4.2		Height, mast lowered	h ₁	mm	2290	2290
4.3		Free lift	h ₂	mm	110	110
4.4		Lift	h ₃	mm	3300	3300
4.5		Height, mast extended	h ₄	mm	4520	4520
4.7		Height of overhead guard	h ₆	mm	2310	2310
4.8		Seat height	h ₇	mm	1200	1200
4.12		Coupling height	h ₁₀	mm	505	505
4.19		Overall length	l ₁	mm	4020	4020
4.20		Length to face of forks	l ₂	mm	3020	3020
4.21		Overall width	b ₁	mm	1345	1345
4.22		Fork dimensions	s/e/l	mm	50/150/1000	50/150/1000
4.23		Fork carriage DIN 15 173, class/type A, B			III	III
4.24		Fork carriage width	b ₃	mm	1170	1170
4.31		Ground clearance, laden, below mast	m ₁	mm	140	140
4.32		Ground clearance, centre of wheelbase	m ₂	mm	150	150
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	4400	4400
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	4600	4600
4.35	Turning radius	W _a	mm	2680	2680	
4.36	Internal turning radius	b ₁₃	mm	882.5	882.5	
Performance	5.1	Travel speed, laden/unladen		km/h	14/16	14/16
	5.2	Lift speed, laden/unladen		m/s	0.33/0.51	0.30/0.51
	5.3	Lowering speed, laden/unladen		m/s	0.50/0.50	0.50/0.50
	5.5	Drawbar pull, laden/unladen ²⁾		N	15200/15300	15100/15300
	5.6	Max. drawbar pull, laden/unladen ²⁾		N	18900/18900	18900/18800
	5.7	Gradeability, laden/unladen ²⁾		%	19/31	17/29
	5.8	Max. gradeability, laden/unladen ²⁾		%	19/31	17/29
	5.9	Acceleration time, laden/unladen		s	5.2/4.6	5.4/4.7
	5.10	Service brake			hydraulic	hydraulic
	Motor	6.1	Drive motor rating S2 60min		kW	16.6
6.2		Lift motor rating S3 15%		kW	25.4	25.4
6.3		Battery acc. to DIN 43 531/ 35/ 36 A, B, C			43536	43536
6.4		Battery voltage/nominal capacity		V/Ah	80/700	80/700
6.5		Battery weight ³⁾		kg	1971	1971
6.6		Energy consumption acc to VDI cycle		kWh/h		
Others	8.1	Type of drive control			transistor inverter	transistor inverter
	8.2	Operating pressure for attachments		bar	185	185
	8.3	Oil volume for attachments		l/min	58	58
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	73	73
	8.5	Towing coupling, type DIN				

* aisle width calculation based on VDI 2198

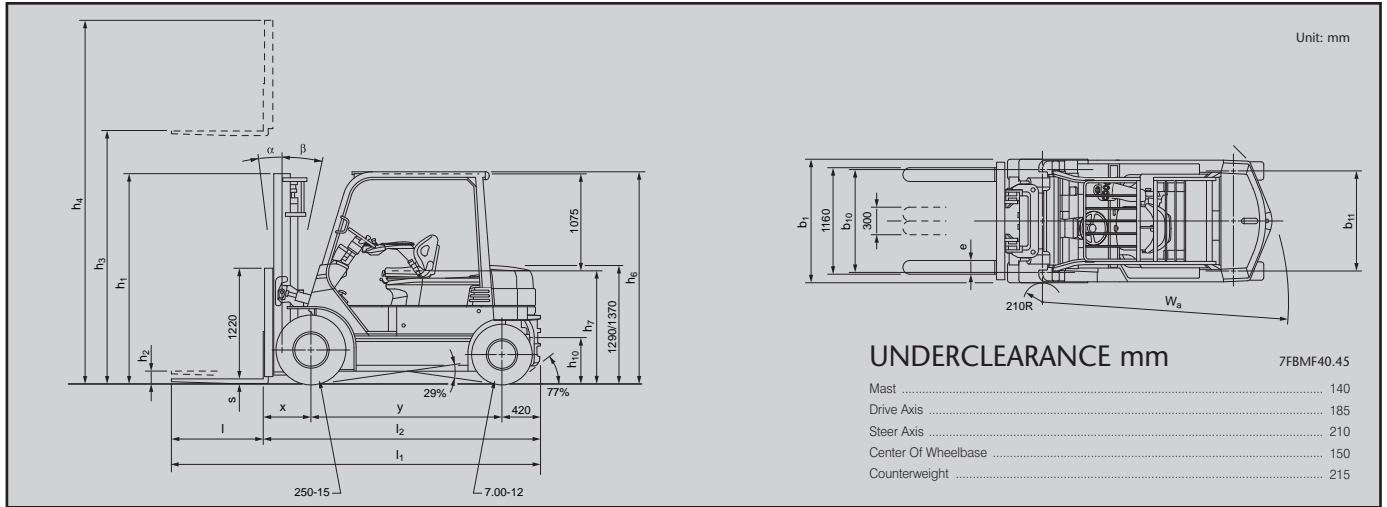
¹⁾ With h₃= 3300mm and battery weight= 1971kg

²⁾ Computed values

³⁾ According to DIN 43536; min. battery weight required by Toyota = 2030 kg

7FBMF40, 7FBMF45

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Model	7FBMF40		7FBMF45		
	All Masts		V & FV Masts	FSV Masts	All Masts
Front Tyre	Standard/Wide Tread	Single	Dual	Single	Dual
Front Tyre Size		250-15	7.00-15	250-15	28x12.5-15
Overall Width	mm	1345	1710	1345	1440
Tread, Front	mm	1120	1280	1120	1150

MAST SPECIFICATION & RATED CAPACITIES

Model	Mast Type	Maximum Fork Height h_3	Overall Height		Free Lift		Single Tyre			Dual Tyre		
			Lowered h_1	Extended Without Load Backrest h_4	Without Load Backrest h_2	With Standard Load Backrest h_2	Tilt Range		Load Capacity at 500 mm LC kg	Tilt Range		Load Capacity at 500 mm LC kg
							FWD deg	BWD deg		FWD deg	BWD deg	
7FBMF40	V	3300	2290	4100	110	110	7	12	4000	7	12	4000
		3500	2390	4300	110	110	7	12	4000	7	12	4000
		3700	2490	4500	110	110	7	12	4000	7	12	4000
		4000	2740	4800	110	110	7	12	4000	7	12	4000
		4500	2990	5300	110	110	7	6	4000	7	12	4000
	5000	3240	5800	110	110	7	6	4000	7	12	4000	
	FV	3000	2110	3830	1280	890	7	12	4000	7	12	4000
		3300	2290	4130	1460	1070	7	12	4000	7	12	4000
		3500	2390	4330	1560	1170	7	12	4000	7	12	4000
		3700	2490	4530	1660	1270	7	12	4000	7	12	4000
		4000	2740	4830	1910	1520	7	12	4000	7	12	4000
	FSV	3700	1890	4530	1060	670	7	6	4000	7	6	4000
		4000	1990	4830	1160	770	7	6	4000	7	6	4000
		4300	2110	5130	1280	890	7	6	4000	7	6	4000
		4700	2290	5530	1460	1070	7	6	4000	7	6	4000
5000		2390	5830	1560	1170	7	6	4000	7	6	4000	
5500	2540	6330	1710	1320	7	6	3850	7	6	3850		
6000	2740	6830	1910	1520	7	6	3420	7	6	3710		
7FBMF45	V	3300	2290	4100	110	110	7	12	4500	7	12	4500
		3500	2390	4300	110	110	7	12	4500	7	12	4500
		3700	2490	4500	110	110	7	12	4500	7	12	4500
		4000	2740	4800	110	110	7	12	4500	7	12	4500
		4500	2990	5300	110	110	7	6	4500	7	12	4500
	5000	3240	5800	110	110	7	6	4500	7	12	4500	
	3000	2110	3830	1280	890	7	12	4500	7	12	4500	
	FV	3300	2290	4130	1460	1070	7	12	4500	7	12	4500
		3500	2390	4330	1560	1170	7	12	4500	7	12	4500
		3700	2490	4530	1660	1270	7	12	4500	7	12	4500
		4000	2740	4830	1910	1520	7	12	4500	7	12	4500
		3700	1890	4530	1060	670	7	6	4500	7	6	4500
	FSV	4000	1990	4830	1160	770	7	6	4500	7	6	4500
		4300	2110	5130	1280	890	7	6	4500	7	6	4500
		4700	2290	5530	1460	1070	7	6	4500	7	6	4500
5000		2390	5830	1560	1170	7	6	4470	7	6	4470	
5500		2540	6330	1710	1320	7	6	4340	7	6	4340	
6000	2740	6830	1910	1520	7	6	4210	7	6	4210		

NOTE: Height of standard load backrest is 1220 mm. h_4 with standard load backrest is + 420 mm (V), + 390 mm (FV), + 390 mm (FSV).
The Load capacity in this table is the value when with the pneumatic shaped cushion tyre.

5,000 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA
	1.2	Model			7FBMF50
	1.3	Power			electric
	1.4	Operator Type			rider seated
	1.5	Load capacity/rated load	Q	kg	4990
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	580
	1.9	Wheelbase	y	mm	2080
	Weight	2.1	Truck weight ¹⁾		kg
2.2		Axle loadings, laden front/rear		kg	11350/1300
2.3		Axle loadings, unladen front/rear		kg	3770/3880
Tyres, chassis	3.1	Tyres - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size - front			28x12.5-15
	3.3	Tyre size - rear			7.00-12
	3.5	Wheels - number front/rear (x = driven wheels)			2x/2
	3.6	Tread - front	b ₁₀	mm	1150
	3.7	Tread - rear	b ₁₁	mm	1090
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg
4.2		Height, mast lowered	h ₁	mm	2350
4.3		Free lift	h ₂	mm	120
4.4		Lift	h ₃	mm	3300
4.5		Height, mast extended	h ₄	mm	4520
4.7		Height of overhead guard	h ₆	mm	2310
4.8		Seat height	h ₇	mm	1200
4.12		Coupling height	h ₁₀	mm	508
4.19		Overall length	l ₁	mm	4150
4.20		Length to face of forks	l ₂	mm	3150
4.21		Overall width	b ₁	mm	1440
4.22		Fork dimensions	s/e/l	mm	60/150/1000
4.23		Fork carriage DIN 15 173, class/type A,B			III
4.24		Fork carriage width	b ₃	mm	1170
4.31		Ground clearance, laden, below mast	m ₁	mm	140
4.32		Ground clearance, centre of wheelbase	m ₂	mm	150
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	4520
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	4720
4.35		Turning radius	W _a	mm	2740
4.36		Internal turning radius	b ₁₃	mm	880
Performance	5.1	Travel speed, laden/unladen		km/h	13/15
	5.2	Lift speed, laden/unladen		m/s	0.27/0.41
	5.3	Lowering speed, laden/unladen		m/s	0.50/0.50
	5.5	Drawbar pull, laden/unladen ²⁾		N	14300/14500
	5.6	Max. drawbar pull, laden/unladen ²⁾		N	18000/18000
	5.7	Gradeability, laden/unladen ²⁾		%	15/25
	5.8	Max. gradeability, laden/unladen ²⁾		%	15/25
	5.9	Acceleration time, laden/unladen		s	5.5/4.9
	5.10	Service brake			hydraulic
	Motor	6.1	Drive motor rating S2 60min		kW
6.2		Lift motor rating S3 15%		kW	25.4
6.3		Battery acc. to DIN 43 531/ 35/ 36 A, B, C			43536
6.4		Battery voltage/nominal capacity		V/Ah	80/700
6.5		Battery weight ³⁾		kg	1971
6.6		Energy consumption acc to VDI cycle		kWh/h	
Others	8.1	Type of drive control			transistor inverter
	8.2	Operating pressure for attachments		bar	185
	8.3	Oil volume for attachments		l/min	58
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	73
	8.5	Towing coupling, type DIN			

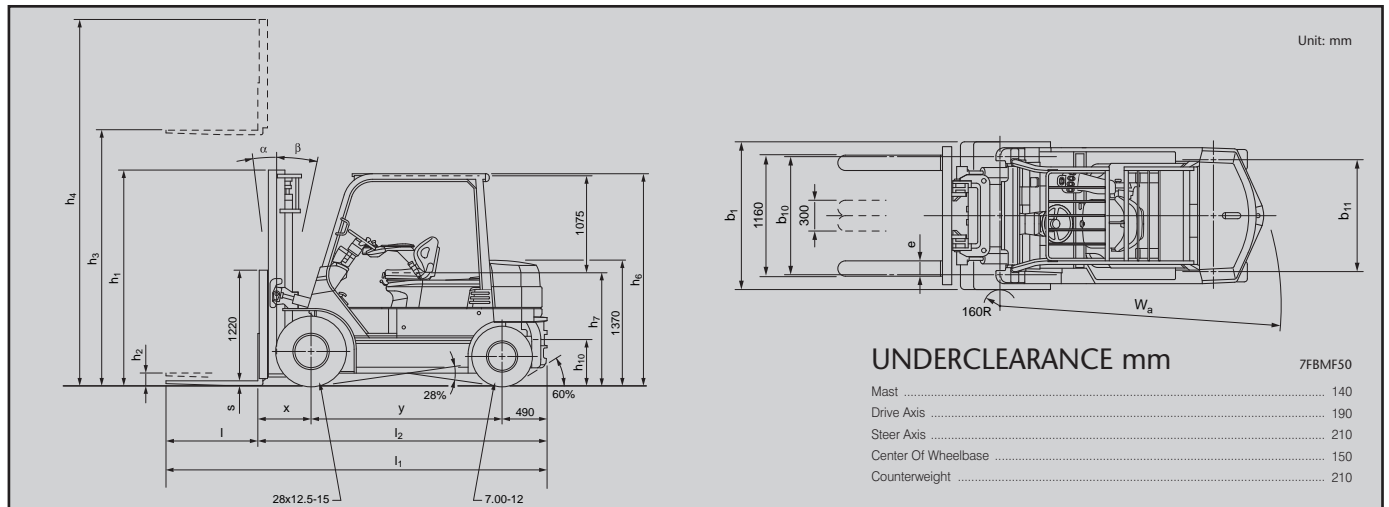
* aisle width calculation based on VDI 2198

¹⁾ With h₃= 3300mm and battery weight= 1971kg

²⁾ Computed values

³⁾ According to DIN 43536; min. battery weight required by Toyota = 2030 kg

DIMENSIONAL DRAWINGS



SPECIAL TREAD

Model	7FBMF50	
Mast	All Masts	
Front Tyre Single/Dual	Single	Dual
Front Tyre Size	28x12.5-15	7.00-15
Overall Width	mm 1440	1710
Tread, Front	mm 1150	1280

MAST SPECIFICATION & RATED CAPACITIES

Model	Mast Type	Maximum Fork Height	Overall Height		Free Lift		Single Tyre			Dual Tyre		
			Lowered	Extended Without Load Backrest	Without Load Backrest	With Standard Load Backrest	Tilt Range		Load Capacity at 500 mm LC	Tilt Range		Load Capacity at 500 mm LC
							h ₁	h ₄		h ₂	h ₂	
mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg	
7FBMF 50	V	3300	2350	3965	120	120	7	12	4990	7	12	4990
		3500	2450	4165	120	120	7	12	4990	7	12	4990
		3700	2600	4365	120	120	7	12	4990	7	12	4990
		4000	2800	4665	120	120	7	12	4990	7	12	4990
		4500	3050	5165	120	120	7	6	4990	7	12	4990
		5000	3300	5665	120	120	7	6	4990	7	12	4990
	FSV	3700	2050	4395	1355	845	7	6	4990	7	6	4990
		4000	2120	4695	1425	915	7	6	4990	7	6	4990
		4300	2200	4995	1505	995	7	6	4990	7	6	4990
		4700	2350	5395	1655	1145	7	6	4970	7	6	4970
		5000	2450	5695	1755	1245	7	6	4890	7	6	4900
		5500	2600	6195	1905	1395	7	6	4750	7	6	4750
		6000	2800	6695	2105	1595	7	6	4600	7	6	4600

NOTE: Height of standard load backrest is 1220 mm. h₄ with standard load backrest is + 555 mm (V), + 525 mm (FSV). The Load capacity in this table is the value when with the pneumatic shaped cushion tyre.

7FBMF16.18.20.25.30.35.40.45.50

- Toyota SAS (System of Active Stability)
- Toyota AC² power system
- Toyota OPS (Operator Presence Sensing)
- Toyota OTC (Operator Total Care):
 - Toyota ORS (Operator Restraint System) seat
 - Seat mounted minilevers
 - "Accel Off"
 - D2 pedal (optional)
- Wide visible mast [MFH: 3300 mm]
- Load backrest [Height: 1220 mm]
- Long forks [Length: 800 mm (7FBMF16.18); 1000 mm (7FBMF20.25.30.35.40.45.50)]
- Long forkbar [Length: 920 mm (7FBMF16.18); 1020 mm (7FBMF20.25); 1070 mm (7FBMF30.35); 1170 mm (7FBMF40.45.50)]
- 3-way valve (A400)
- Wet disc brake system
- Stop on ramp
- Pneumatic shaped cushion tyres
- Full hydraulic power steering
- Digital multifunction display
- Memory tilt steering column
- Emergency lever

NOTE: * When dual tyres are selected, the Active Control Rear Stabilizer function of the SAS system of Active Stability (SAS) is not included.

The data in this spec sheet was determined based on our standard testing condition. Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area. Availability and specifications are determined regionally and are subject to change without notice. Please consult your Toyota representative for details.