

english

Electric powered forklift 1.0 - 1.5 ton

TOYOTA
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TOYOTA

MATERIAL HANDLING

stronger together

Electric powered forklifts 1.0 ton

Truck specifications					7FBEST10
Identification	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST10
	1.3	Drive			electric
	1.4	Operator type			rider seated
	1.5	Load capacity/rated load	Q		1000
	1.6	Load centre	c		500
	1.8	Load distance, centre of drive axle to fork	x		330
	1.9	Wheelbase	y	mm	985
Weight	2.1	Service weight		kg	2550
	2.2	Axle load, with load, front/rear		kg	2950/600
	2.3	Axle load, without load, front/rear		kg	1100/1450
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			18x7-8
	3.3	Tyre size, rear			18x7-8
	3.5	Wheels, number front/rear (x=driven wheels)			2/1x
	3.6	Track width, front	b ₁₀	mm	835
	3.7	Track width, rear	b ₁₁	mm	0
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/6
	4.2	Height, mast lowered	h ₁	mm	2140
	4.3	Free lift	h ₂	mm	80
	4.4	Lift	h ₃	mm	3270
		Lift height	h ₂₃	mm	3310
	4.5	Height, mast extended	h ₄	mm	3815
	4.7	Height of overhead guard (cab)	h ₆	mm	2055
	4.8	Seat height	h ₇	mm	940
	4.12	Coupling height	h ₁₀	mm	615
	4.19	Overall length	l ₁	mm	2365
	4.20	Length to face of forks	l ₂	mm	1565
	4.21	Overall width	b ₁	mm	990
	4.22	Fork dimensions	s/e/l	mm	40/80/800
	4.23	Fork carriage DIN 15 173, class/type A, B			IIA
	4.24	Fork-carriage width	b ₃	mm	900
	4.31	Ground clearance, with load, below mast	m ₁	mm	55
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	80
	4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm	2890
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	3020
	4.35	Turning radius	W _a	mm	1230
	4.36	Internal turning radius	b ₁₃	mm	0
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,5
	5.2	Lift speed, with/without load		m/s	0,32/0,52
	5.3	Lowering speed, with/without load		m/s	0,59/0,52
	5.5	Drawbar pull, with/without load		N	1470/1670
	5.6	Max. drawbar pull, with/without load		N	7300/7500
	5.7	Max. drawbar pull, with/without load		%	8/12
	5.8	Gradeability, with/without load		%	19/25
	5.10	Service brake			hydraulic
Electric motor	6.1	Drive motor rating S2 60 min		kW	5,1
	6.2	Lift motor rating S3 15%		kW	7,5
	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43535 A
	6.4	Battery voltage, nominal capacity K _s		V/Ah	24/400
	6.5	Battery weight		kg	372
Others	8.1	Type of drive control			inverter MOSFET
	8.2	Operating pressure for attachments		bar	140
	8.3	Oil volume for attachments		l/min	34,1
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	62,4

Performance data and dimensions are nominal and subject to tolerances.

Specifications are subject to change without notice.

Please obtain the latest specifications before contracting products.

- 1) Without load backrest
- 2) With load backrest; Height of standard load backrest is 1120 mm.

Pneumatic tyre			V							FW					FSW				
7FBEST-10	Tilt range, forward	deg	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)
	Tilt range, backward	deg	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)
	Load capacity at 500 mm LC	kg	1000	1000	1000	1000	980	930	900	1000	1000	1000	1000	980	950	900	830	750	550

The image contains two technical drawings of a forklift. The left drawing is a side profile view showing the forklift's mast, carriage, and wheels. It includes numerous dimension labels: h_4 (total height), h_{23} (height to top of mast), h_3 (height to top of carriage), h_1 (height to top of mast at front), h_2 (height to top of mast at rear), h_6 (height to top of carriage), h_7 (height to top of rear wheel), h_{10} (height to top of rear wheel), l (wheelbase), l_1 (overall length), l_2 (distance from front wheel to rear wheel), x (distance from front wheel to mast), y (distance from rear wheel to carriage), m_1 (width of front wheel), m_2 (width of rear wheel), s (width of mast), α (mast tilt angle), and β (carriage tilt angle). The right drawing is a top-down view showing the forklift's forks, carriage, and wheels. It includes dimension labels: b_1 (fork length), b_{10} (fork width), e (fork offset), and ω (steering angle).

Electric powered forklifts 1.25 ton

Truck specifications					7FBEST13
Identification	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST13
	1.3	Drive			electric
	1.4	Operator type			rider seated
	1.5	Load capacity/rated load	Q		1250
	1.6	Load centre	c		500
	1.8	Load distance, centre of drive axle to fork	x		330
	1.9	Wheelbase	y	mm	1145
Weight	2.1	Service weight		kg	2820
	2.2	Axle load, with load, front/rear		kg	3390/680
	2.3	Axle load, without load, front/rear		kg	1230/1590
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			18x7-8
	3.3	Tyre size, rear			18x7-8
	3.5	Wheels, number front/rear (x=driven wheels)			2/1x
	3.6	Track width, front	b ₁₀	mm	835
	3.7	Track width, rear	b ₁₁	mm	0
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/6
	4.2	Height, mast lowered	h ₁	mm	2140
	4.3	Free lift	h ₂	mm	80
	4.4	Lift	h ₃	mm	3270
		Lift height	h ₂₃	mm	3310
	4.5	Height, mast extended	h ₄	mm	3815
	4.7	Height of overhead guard (cab)	h ₆	mm	2055
	4.8	Seat height	h ₇	mm	940
	4.12	Coupling height	h ₁₀	mm	615
	4.19	Overall length	l ₁	mm	2525
	4.20	Length to face of forks	l ₂	mm	1725
	4.21	Overall width	b ₁	mm	990
	4.22	Fork dimensions	s/e/l	mm	40/80/800
	4.23	Fork carriage DIN 15 173, class/type A, B			IIA
	4.24	Fork-carriage width	b ₃	mm	900
	4.31	Ground clearance, with load, below mast	m ₁	mm	55
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	80
	4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm	3060
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	3180
	4.35	Turning radius	W _a	mm	1400
	4.36	Internal turning radius	b ₁₃	mm	0
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,5
	5.2	Lift speed, with/without load		m/s	0,31/0,52
	5.3	Lowering speed, with/without load		m/s	0,59/0,52
	5.5	Drawbar pull, with/without load		N	1420/1670
	5.6	Max. drawbar pull, with/without load		N	7250/7500
	5.7	Gradeability, with/without load		%	7/11
	5.8	Max. gradeability, with/without load		%	17/25
	5.10	Service brake			hydraulic
Electric motor	6.1	Drive motor rating S2 60 min		kW	5,1
	6.2	Lift motor rating S3 15%		kW	7,5
	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43535 A
	6.4	Battery voltage, nominal capacity K _s		V/Ah	24/700
	6.5	Battery weight		kg	600
Others	8.1	Type of drive control			inverter MOSFET
	8.2	Operating pressure for attachments		bar	140
	8.3	Oil volume for attachments		l/min	34,1
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	62,4

Performance data and dimensions are nominal and subject to tolerances.

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Most dimensions and rated capacities

Model			V							FW					FSW					
7FBEST13	Lift height	h_{23}	3010	3310	3510	3710	4010	4510	5010	3010	3310	3510	3710	4010	4320	4710	5010	5540	6010	6510
	Lift	h_3	2970	3270	3470	3670	3970	4470	4970	2970	3270	3470	3670	3970	4280	4670	4970	5470	5970	6470
	Height, mast lowered	h_1	1990	2140	2240	2340	2490	2740	3090	1990	2140	2240	2340	2490	1960	2090	2190	2390	2540	2740
	Height, mast extended ¹⁾	h_4	3515	3815	4015	4215	4515	5015	5535	3515	3815	4015	4215	4515	4825	5215	5515	6015	6515	7015
	Height, mast extended ²⁾	h_4	4090	4390	4590	4790	5090	5590	6090	4090	4390	4590	4790	5090	5400	5790	6090	6590	7090	7590
	Free lift, without load backrest	h_2	80	80	80	80	80	80	80	1445	1595	1695	1795	1945	1415	1545	1645	1845	1995	2195
	Free lift, with load backrest	h_2	80	80	80	80	80	80	80	870	1020	1120	1220	1370	840	970	1070	1270	1420	1620

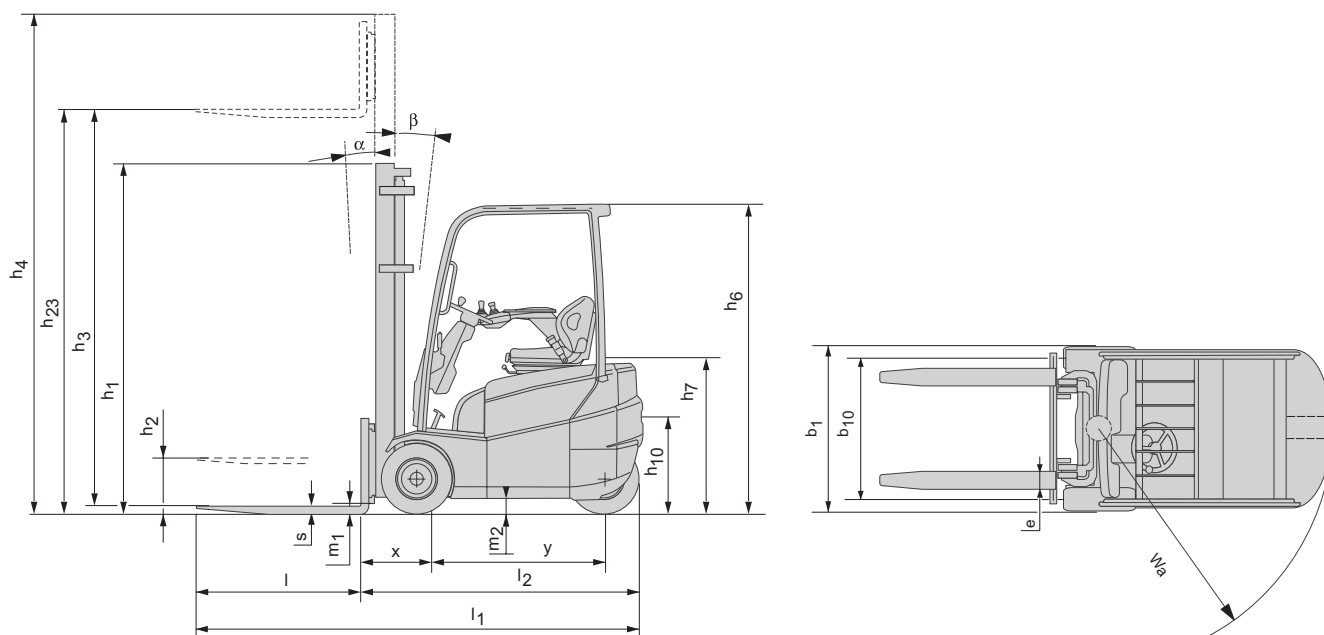
1) Without load backrest

2) With load backrest; Height of standard load backrest is 1120 mm.

Pneumatic shaped cushion/ cushion tyre			V							FW					FSW					
7FBEST13	Tilt range, forward	deg	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)
	Tilt range, backward	deg	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)
	Load capacity at 500 mm LC	ka	1250	1250	1250	1250	1250	1250	1170	1250	1250	1250	1250	1250	1250	1200	1150	1100	1050	800

Pneumatic tyre			V								FW					FSW					
7FBEST13	Tilt range, forward	deg	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	
	Tilt range, backward	deg	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	
	Load capacity at 500 mm LC	kg	1250	1250	1250	1250	1240	1180	1130	1250	1250	1250	1250	1240	1200	1160	1130	1080	890	650	

Data in () are for when "Cabin Series" is selected (minimum front windshield).



Electric powered forklifts 1.5 ton

Truck specifications					7FBEST15
Identification	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST15
	1.3	Drive			electric
	1.4	Operator type			rider seated
	1.5	Load capacity/rated load	Q		1500
	1.6	Load centre	c		500
	1.7	Load distance, centre of drive axle to fork	x		330
	1.8	Wheelbase	y	mm	1200
Weight	2.1	Service weight		kg	2930
	2.2	Axle load, with load, front/rear		kg	3820/610
	2.3	Axle load, without load, front/rear		kg	1280/1650
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			18x7-8
	3.3	Tyre size, rear			18x7-8
	3.5	Wheels, number front/rear (x=driven wheels)			2/1x
	3.6	Track width, front	b ₁₀	mm	835
	3.7	Track width, rear	b ₁₁	mm	0
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/6
	4.2	Height, mast lowered	h ₁	mm	2140
	4.3	Free lift	h ₂	mm	80
	4.4	Lift	h ₃	mm	3270
		Lift height	h ₂₃	mm	3310
	4.5	Height, mast extended	h ₄	mm	3815
	4.7	Height of overhead guard (cab)	h ₆	mm	2055
	4.8	Seat height	h ₇	mm	940
	4.12	Coupling height	h ₁₀	mm	615
	4.19	Overall length	l ₁	mm	2580
	4.20	Length to face of forks	l ₂	mm	1780
	4.21	Overall width	b ₁	mm	990
	4.22	Fork dimensions	s/e/l	mm	40/80/800
	4.23	Fork carriage DIN 15 173, class/type A, B			IIA
	4.24	Fork-carriage width	b ₃	mm	900
	4.31	Ground clearance, with load, below mast	m ₁	mm	55
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	80
	4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm	3110
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	3230
	4.35	Turning radius	W _a	mm	1450
	4.36	Internal turning radius	b ₁₃	mm	0
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,5
	5.2	Lift speed, with/without load		m/s	0,30/0,52
	5.3	Lowering speed, with/without load		m/s	0,59/0,52
	5.5	Drawbar pull, with/without load		N	1370/1670
	5.6	Max. drawbar pull, with/without load		N	7200/7500
	5.7	Gradeability, with/without load		%	6/11
	5.8	Max. gradeability, with/without load		%	16/25
	5.10	Service brake			hydraulic
Electric motor	6.1	Drive motor rating S2 60 min		kW	5,1
	6.2	Lift motor rating S3 15%		kW	7,5
	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43535 A
	6.4	Battery voltage, nominal capacity K _s		V/Ah	24/800
	6.5	Battery weight		kg	676
Others	8.1	Type of drive control			inverter MOSFET
	8.2	Operating pressure for attachments		bar	140
	8.3	Oil volume for attachments		l/min	34,1
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	62,4

Performance data and dimensions are nominal and subject to tolerances.

Specifications are subject to change without notice.

Please obtain the latest specifications before contracting products.

Mast dimensions and rated capacities

Model			V								FW					FSW				
7FBEST15	Lift height	h_{23}	3010	3310	3510	3710	4010	4510	5010	3010	3310	3510	3710	4010	4320	4710	5010	5540	6010	6510
	Lift	h_3	2970	3270	3470	3670	3970	4470	4970	2970	3270	3470	3670	3970	4280	4670	4970	5470	5970	6470
	Height, mast lowered	h_1	1990	2140	2240	2340	2490	2740	3090	1990	2140	2240	2340	2490	1960	2090	2190	2390	2540	2740
	Height, mast extended ¹⁾	h_4	3515	3815	4015	4215	4515	5015	5535	3515	3815	4015	4215	4515	4825	5215	5515	6015	6515	7015
	Height, mast extended ²⁾	h_4	4090	4390	4590	4790	5090	5590	6090	4090	4390	4590	4790	5090	5400	5790	6090	6590	7090	7590
	Free lift, without load backrest	h_2	80	80	80	80	80	80	80	1445	1595	1695	1795	1945	1415	1545	1645	1845	1995	2195
	Free lift, with load backrest	h_2	80	80	80	80	80	80	80	870	1020	1120	1220	1370	840	970	1070	1270	1420	1620

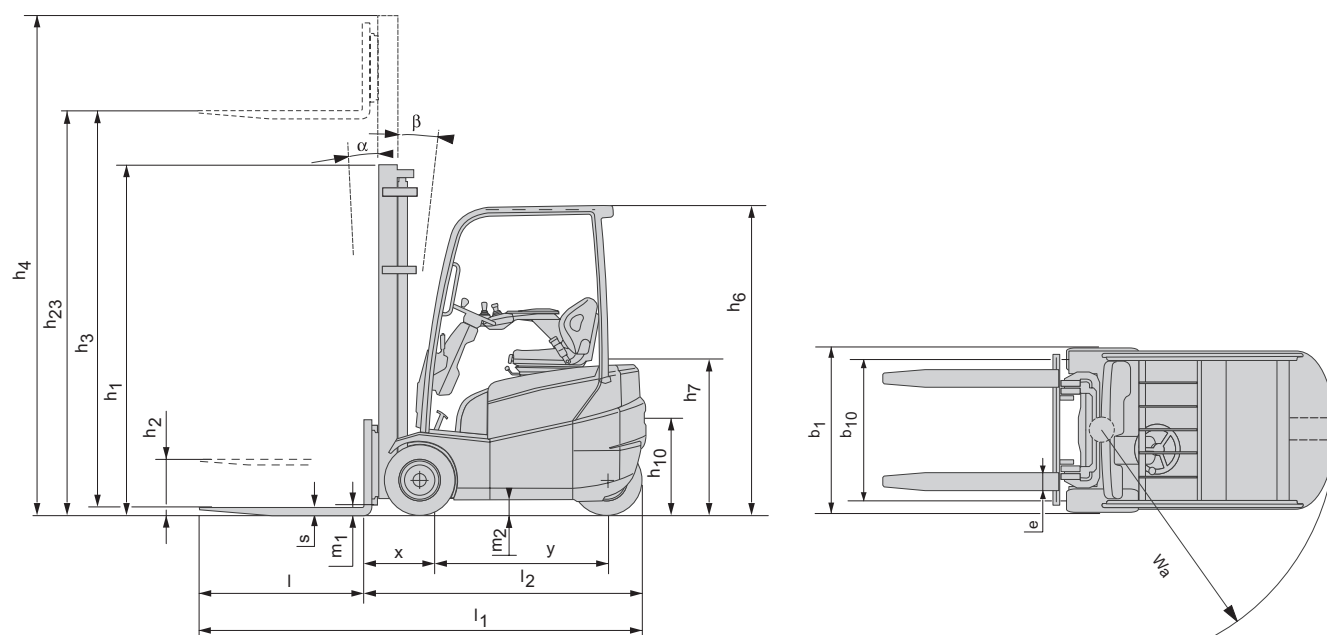
1) Without load backrest

2) With load backrest; Height of standard load backrest is 1120 mm.

Pneumatic shaped cushion/ cushion tyre			V								FW					FSW				
7FBEST15	Tilt range, forward	deg	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)
	Tilt range, backward	deg	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)
	Load capacity at 500 mm LC	kg	1500	1500	1500	1500	1500	1500	1400	1500	1500	1500	1500	1500	1500	1480	1430	1320	1150	800

Pneumatic tyre			V								FW					FSW				
7FBEST15	Tilt range, forward	deg	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)	5(6)
	Tilt range, backward	deg	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)	6(5)
	Load capacity at 500 mm LC	kg	1500	1500	1500	1500	1500	1500	1350	1500	1500	1500	1500	1500	1480	1420	1300	1200	950	620

Data in () are for when "Cabin Series" is selected (minimum front windshield).



Standard equipments:

- Toyota SAS (System of Active Stability) incl. speed reduction when cornering
- Toyota AC² power system
- Toyota OPS (Operator Presence Sensing)
- Wide visibility mast (MFH: 3310 mm)
- Long forks (Length: 800 mm)
- Long forkbar (Length: 900 mm)
- 3-way valve
- Pneumatic shaped cushion tyres
- Full hydraulic power steering
- Multifunction display
- Adjustable steering column
- Emergency button



TP-Technical Publications, Sweden — 745550-040, version 3, 1010 — 7FBEST



TOYOTA MATERIAL HANDLING IN EUROPE, MANAGING THE TOYOTA AND BT MATERIALS HANDLING BRANDS IN EUROPE.

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