# Electric powered forklift 1.0 - 1.5 ton

# Traigo=4















### Electric powered forklifts 1.0 ton

Truck s	pecifica	tions			7FBEST10
	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST10
u o	1.3	Drive			electric
dentification	1.4	Operator type			rider seated
ıţi.	1.5	Load capacity/rated load	Q		1000
lder	1.6	Load centre	С		500
	1.8	Load distance, centre of drive axle to fork	Х		330
	1.9	Wheelbase	V	mm	985
	2.1	Service weight	,	kg	2550
Weight	2.2	Axle load, with load, front/rear		kg	2950/600
We	2.3	Axle load, without load, front/rear		kg	1100/1450
	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)		9	SE
	3.2	Tyre size, front			18x7-8
ဟ္သ	3.3	Tyre size, rear			18x7-8
Tyres	3.5	Wheels, number front/rear (x = driven wheels)			2/1x
•	3.6	Track width, front	b <sub>10</sub>	mm	835
	3.7	Track width, rear	b <sub>10</sub>	mm	0
	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg	5/6
	4.1	Height, mast lowered	h,	mm	2140
	4.3	Free lift		mm	80
	4.4	Lift	h <sub>2</sub>	mm	3270
	4.4	Lift height	h <sub>3</sub>		3310
	4.5	Height, mast extended	h <sub>23</sub>	mm	3815
	4.5	-	h <sub>4</sub>	mm	2055
	4.7	Height of overhead guard (cab)	h <sub>6</sub>	mm	940
		Seat height	h <sub>7</sub>	mm	615
કા	4.12	Coupling height	h <sub>10</sub>	mm	
Dimensions	4.19	Overall length	l <sub>1</sub>	mm	2365
nen	4.20	Length to face of forks		mm	1565
ä	4.21	Overall width	b <sub>1</sub>	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 <sub>3</sub>	mm	900
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm	55
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	80
	4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	2890
	4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	3020
	4.35	Turning radius	W <sub>a</sub>	mm	1230
	4.36	Internal turning radius	b <sub>13</sub>	mm	0
	5.1	Travel speed, with/without load		km/h	12,0/12,5
ıta	5.2	Lift speed, with/without load		m/s	0,32/0,52
Performance data	5.3	Lowering speed, with/without load		m/s	0,59/0,52
anc	5.5	Drawbar pull, with/without load		N	1470/1670
orm	5.6	Max. drawbar pull, with/without load		N	7300/7500
Perfe	5.7	Max. drawbar pull, with/without load		%	8/12
Т.	5.8	Gradeability, with/without load		%	19/25
	5.10	Service brake			hydraulic
ō	6.1	Drive motor rating S2 60 min		kW	5,1
Electric motor	6.2	Lift motor rating S3 15%		kW	7,5
tric	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43535 A
lect	6.4	Battery voltage, nominal capacity $K_{\scriptscriptstyle 5}$		V/Ah	24/400
Ш	6.5	Battery weight		kg	372
	8.1	Type of drive control			inverter MOSFET
Other	8.2	Operating pressure for attachments		bar	140
9	8.3	Oil volume for attachments		I/min	34,1
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	62,4

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

Toyota Material Handling Manufacturing Sweden AB products and specifications are subject to change without notice.

### **Mast dimensions and rated capacities**

Model						٧						FW					FS	W		
	Lift height	h <sub>23</sub>	3010	3310	3510	3710	4010	4510	5010	3010	3310	3510	3710	4010	4320	4710	5010	5510	6010	6510
	Lift	h <sub>3</sub>	2970	3270	3470	3670	3970	4470	4970	2970	3270	3470	3670	3970	4280	4670	4970	5470	5970	6470
5	Height, mast lowered	$h_1$	1990	2140	2240	2340	2490	2740	3090	1990	2140	2240	2340	2490	1960	2090	2190	2390	2540	2740
7FBES1	Height, mast extended 1)	h <sub>4</sub>	3515	3815	4015	4215	4515	5015	5535	3515	3815	4015	4215	4515	4825	5215	5515	6015	6515	7015
7.6	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 <sub>2</sub>	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

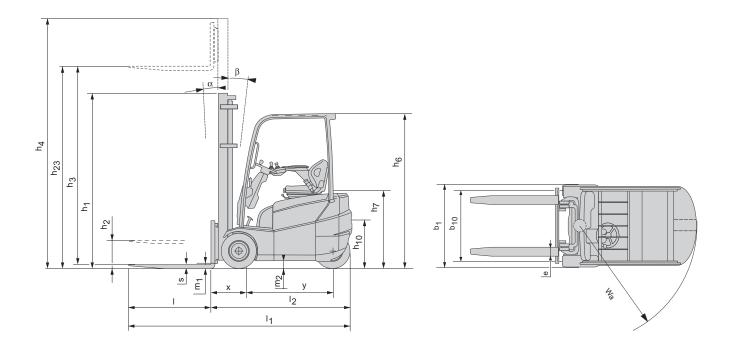
<sup>1)</sup> Without load backrest

<sup>2)</sup> With load backrest; Height of standard load backrest is 1120 mm.

Pr	neuma	Tilt range, backward					٧						FW					FS	W		
	5	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)
	ESI	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)
	7FBI	Load capacity at 500 mm LC	kg	1000	1000	1000	1000	1000	1000	940	1000	1000	1000	1000	1000	1000	970	920	840	730	650

Pneum	atic tyre					٧						FW					FS	W		
19	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)
FBEST	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)
吊	Load capacity at 500 mm LC	kg	1000	1000	1000	1000	980	930	900	1000	1000	1000	1000	980	950	900	830	750	550	400

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



### Electric powered forklifts 1.25 ton

Truck s	pecifica	tions			7FBEST13
	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST13
E	1.3	Drive			electric
Identification	1.4	Operator type			rider seated
ij	1.5	Load capacity/rated load	Q		1250
der	1.6	Load centre	С		500
	1.8	Load distance, centre of drive axle to fork	X		330
	1.9	Wheelbase	V	mm	1145
	2.1	Service weight	,	kg	2820
Weight	2.2	Axle load, with load, front/rear		kg	3390/680
We	2.3	Axle load, without load, front/rear		kg	1230/1590
	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)		1.5	SE
	3.2	Tyre size, front			18x7-8
ဟူ	3.3	Tyre size, rear			18x7-8
Tyres	3.5	Wheels, number front/rear (x = driven wheels)			2/1x
·	3.6	Track width, front	b <sub>10</sub>	mm	835
	3.7	Track width, rear	b <sub>10</sub>	mm	0
	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg	5/6
	4.2	Height, mast lowered	h,	mm	2140
	4.3	Free lift	h <sub>2</sub>	mm	80
	4.4	Lift	h <sub>3</sub>	mm	3270
	7.7	Lift height	h <sub>23</sub>	mm	3310
	4.5	Height, mast extended	h <sub>4</sub>	mm	3815
	4.7	Height of overhead guard (cab)	h <sub>6</sub>	mm	2055
	4.8	Seat height		mm	940
	4.12	Coupling height	h <sub>7</sub>	mm	615
Su	4.12	Overall length	h <sub>10</sub>	mm	2525
Dimensions	4.19	Length to face of forks	1	mm	1725
mer	4.21	Overall width	b,	mm	990
ä	4.22	Fork dimensions	s/e/l	mm	40/80/800
	4.23	Fork carriage DIN 15 173, class/type A, B	3/6/1	1111111	IIA
	4.24	Fork-carriage width	b <sub>3</sub>	mm	900
	4.31	Ground clearance, with load, below mast	1 ,		55
	4.32	Ground clearance, with load, below mast	m <sub>1</sub>	mm	80
	4.33	Aisle width for pallets 1000x1200 crossways	m <sub>2</sub>		3060
	4.34	Aisle width for pallets 800x1200 clossways	A <sub>st</sub>	mm	3180
	4.35	Turning radius	A <sub>st</sub> W	mm	1400
	4.36	Internal turning radius			0
	5.1	Travel speed, with/without load	b <sub>13</sub>	mm km/h	12,0/12,5
	5.2	Lift speed, with/without load		m/s	0,31/0,52
Jata	5.3	Lowering speed, with/without load		m/s	0,59/0,52
Performance data	5.5	Drawbar pull, with/without load		N N	1420/1670
nan	5.6	Max. drawbar pull, with/without load		N	7250/7500
forr	5.7	Gradeability, with/without load		%	7/11
Per	5.8	Max. gradeability, with/without load		%	17/25
	5.10	Service brake		/0	hydraulic
	6.1	Drive motor rating S2 60 min		kW	5,1
otor	6.2	Lift motor rating S3 05 min		kW	7,5
Electric motor	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no		KVV	DIN 43535 A
ctric	6.4	Battery voltage, nominal capacity K <sub>s</sub>		V/Ah	24/700
Ele	6.5	Battery weight		kg	600
	8.1	Type of drive control		кy	inverter MOSFET
_	8.2	Operating pressure for attachments		bar	140
Other	8.3	Oil volume for attachments		I/min	34,1
J	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	62,4
	0.4	Double level at the universe ear according to EN 12 000		(A)	UL,T

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

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### **Mast dimensions and rated capacities**

Model						٧						FW					FS	W		
	Lift height	h <sub>23</sub>	3010	3310	3510	3710	4010	4510	5010	3010	3310	3510	3710	4010	4320	4710	5010	5510	6010	6510
	Lift	h <sub>3</sub>	2970	3270	3470	3670	3970	4470	4970	2970	3270	3470	3670	3970	4280	4670	4970	5470	5970	6470
13	Height, mast lowered	h <sub>1</sub>	1990	2140	2240	2340	2490	2740	3090	1990	2140	2240	2340	2490	1960	2090	2190	2390	2540	2740
7FBEST	Height, mast extended 1)	$h_4$	3515	3815	4015	4215	4515	5015	5535	3515	3815	4015	4215	4515	4825	5215	5515	6015	6515	7015
H.	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 <sub>2</sub>	80	80	80	80	80	80	80	1445	1595	1695	1795	1945	1415	1545	1645	1845	1995	2195
	Free lift, with load backrest	h <sub>2</sub>	80	80	80	80	80	80	80	870	1020	1120	1220	1370	840	970	1070	1270	1420	1620

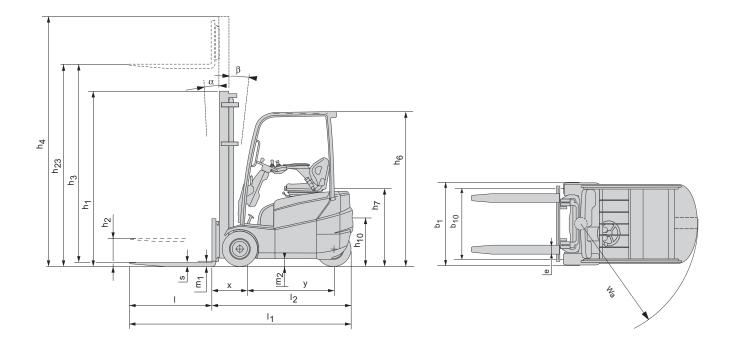
<sup>1)</sup> Without load backrest

<sup>2)</sup> With load backrest, Height of standard load backrest is 1120 mm.

Pneuma	- Ilit range, lorward					٧						FW					FS	W		
113	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)
FBEST	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)
H.	Load capacity at 500 mm LC	kg	1250	1250	1250	1250	1250	1250	1170	1250	1250	1250	1250	1250	1250	1200	1150	1100	1050	800

Pneuma	atic tyre					٧						FW					FS	W		
5	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)
FBEST	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)
H.	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 s	pecifica	itions			7FBEST15
	1.1	Manufacturer			Toyota
	1.2	Model			7FBEST15
e o	1.3	Drive			electric
Identification	1.4	Operator type			rider seated
i <u>i</u>	1.5	Load capacity/rated load	Q		1500
lge I	1.6	Load centre	С		500
	1.8	Load distance, centre of drive axle to fork	х		330
	1.9	Wheelbase	V	mm	1200
	2.1	Service weight	<u> </u>	kg	2930
Weight	2.2	Axle load, with load, front/rear		kg	3820/610
š	2.3	Axle load, without load, front/rear		kg	1280/1650
	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			18x7-8
S	3.3	Tyre size, rear			18x7-8
Tyres	3.5	Wheels, number front/rear (x = driven wheels)			2/1x
	3.6	Track width, front	b <sub>10</sub>	mm	835
	3.7	Track width, rear	b <sub>10</sub>	mm	0
	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg	5/6
	4.2	Height, mast lowered	h,	mm	2140
	4.3	Free lift	h <sub>2</sub>	mm	80
	4.4	Lift	1 -	mm	3270
	4.4	Lift height	h <sub>3</sub>		3310
	4.5	-	h <sub>23</sub>	mm	3815
	4.5	Height, mast extended	h <sub>4</sub>	mm	
		Height of overhead guard (cab)	h <sub>6</sub>	mm	2055
	4.8	Seat height	h <sub>7</sub>	mm	940
S	4.12	Coupling height	h <sub>10</sub>	mm	615
sior	4.19	Overall length	I <sub>1</sub>	mm	2580
Dimensions	4.20	Length to face of forks		mm	1780
ä	4.21	Overall width	b <sub>1</sub>	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 <sub>3</sub>	mm	900
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm	55
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	80
	4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	3110
	4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	3230
	4.35	Turning radius	W <sub>a</sub>	mm	1450
	4.36	Internal turning radius	b <sub>13</sub>		0
	5.1	Travel speed, with/without load		km/h	1 1 1
Ita	5.2	Lift speed, with/without load		m/s	0,30/0,52
Performance data	5.3	Lowering speed, with/without load		m/s	0,59/0,52
anci	5.5	Drawbar pull, with/without load		N	1370/1670
Ë	5.6	Max. drawbar pull, with/without load		N	7200/7500
erfc	5.7	Gradeability, with/without load		%	6/11
п.	5.8	Max. gradeability, with/without load		%	16/25
	5.10	Service brake			hydraulic
jo	6.1	Drive motor rating S2 60 min		kW	5,1
Electric motor	6.2	Lift motor rating S3 15%		kW	7,5
ric r	6.3	Battery acc. to DIN 43 531/35/36 A, B, C, no			DIN 43535 A
lecti	6.4	Battery voltage, nominal capacity K <sub>5</sub>		V/Ah	24/800
ш	6.5	Battery weight		kg	676
	8.1	Type of drive control			inverter MOSFET
	0.1				
ē	8.2	Operating pressure for attachments		bar	140
Other		Operating pressure for attachments  Oil volume for attachments		bar I/min	34,1

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

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## **Mast dimensions and rated capacities**

Model						٧						FW					FS	W		
	Lift height	h <sub>23</sub>	3010	3310	3510	3710	4010	4510	5010	3010	3310	3510	3710	4010	4320	4710	5010	5510	6010	6510
	Lift	h <sub>3</sub>	2970	3270	3470	3670	3970	4470	4970	2970	3270	3470	3670	3970	4280	4670	4970	5470	5970	6470
115	Height, mast lowered	$h_1$	1990	2140	2240	2340	2490	2740	3090	1990	2140	2240	2340	2490	1960	2090	2190	2390	2540	2740
7FBES1	Height, mast extended 1)	h <sub>4</sub>	3515	3815	4015	4215	4515	5015	5535	3515	3815	4015	4215	4515	4825	5215	5515	6015	6515	7015
7.6	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 <sub>2</sub>	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

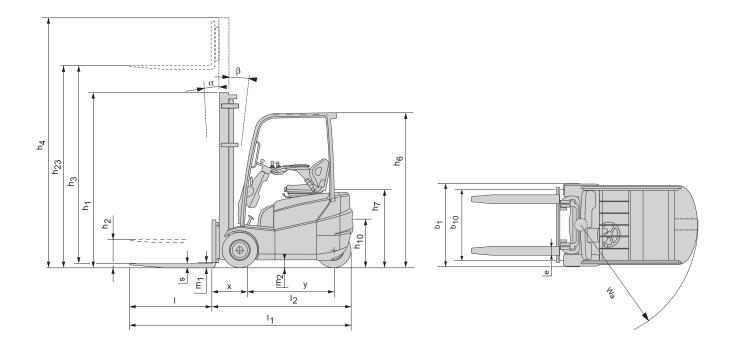
<sup>1)</sup> Without load backrest

<sup>2)</sup> With load backrest; Height of standard load backrest is 1120 mm.

Pneur						٧						FW					FS	W		
75	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)
FBES	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)
7.56	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

Pneuma	atic tyre					٧						FW					FS	W		
115	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)
FBEST	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)
光	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 AC<sup>2</sup> 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



**TOYOTA**