

Electric Powered Forklift 1.5 - 2.0 tonne

TOYOTA
TRIGO⁴⁸

4 wheel



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MATERIAL HANDLING

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Electric Powered Forklift 1.5 - 2.0 tonne

Truck specifications					8FBMT15	8FBMT16	8FBMT18	8FBMT20	
Identification	1.1	Manufacturer			TOYOTA	TOYOTA	TOYOTA	TOYOTA	
	1.2	Model			8FBMT15	8FBMT16	8FBMT18	8FBMT20	
	1.3	Drive			Electric	Electric	Electric	Electric	
	1.4	Operator type			Rider seated	Rider seated	Rider seated	Rider seated	
	1.5	Load capacity/rated load	Q	kg	1500	1600	1800	2000	
	1.6	Load centre	c	mm	500	500	500	500	
	1.8	Load distance, centre of drive axle to fork	x	mm	348	348	355	355	
	1.9	Wheelbase	y	mm	1314	1530	1530	1530	
	Weight	2.1	Service weight			2897	2956	3122	3324
2.2		Axle load, with load, front/rear			3822/575	4027/530	4406/516	4753/570	
2.3		Axle load, without load, front/rear			1354/1543	1539/1417	1599/1523	1635/1689	
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE	SE	
	3.2	Tyre size, front			18x7-8	18x7-8	18x7-8	200/50-10	
	3.3	Tyre size, rear			16x6-8	16x6-8	16x6-8	16x6-8	
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2	2x/2	2x/2	2x/2	
	3.6	Track width, front	b ₁₀	mm	894	894	894	914	
	3.7	Track width, rear	b ₁₁	mm	880	880	880	880	
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward		α/β	deg	5/7	5/7	5/7
4.2		Height, mast lowered		h ₁	mm	2150	2150	2150	
4.3		Free lift		h ₂	mm	120	120	120	
4.4		Lift		h ₃	mm	3265	3265	3265	
		Lift height		h ₂₃	mm	3300	3300	3300	
4.5		Height, mast extended		h ₄	mm	3845	3845	3845	
4.7		Height of overhead guard (cab)		h ₆	mm	2055	2055	2055	
4.8		Seat height/stand height		h ₇	mm	944	944	952	
4.12		Coupling height		h ₁₀	mm	427	427	427	
4.19		Overall length		l ₁	mm	2962	3178	3185	
4.20		Length to face of forks		l ₂	mm	1962	2178	2185	
4.21		Overall width		b ₁	mm	1050	1050	1050	
4.22		Fork dimensions		s/e/l	mm	35/100/1000	35/100/1000	35/100/1000	
4.23		Fork carriage DIN 15 173, class/type A, B				A	A	A	
4.24		Fork-carriage width		b ₃	mm	920	920	920	
4.31		Ground clearance, with load, below mast		m ₁	mm	80	80	80	
4.32		Ground clearance, centre of wheelbase		m ₂	mm	101	101	107	
4.33		Aisle width for pallets 1000 x 1200 crossways		A _{st}	mm	3243	3455	3462	
4.34	Aisle width for pallets 800 x 1200 lengthways		A _{st}	mm	3399	3607	3615		
4.35	Turning radius		W _a	mm	1639	1845	1845		
4.36	Internal turning radius		b ₁₃	mm	205	186	186		
Performance data	5.1	Travel speed, with/without load			km/h	20/20	20/20	20/20	
	5.2	Lift speed, with/without load			m/s	0,44/0,61	0,43/0,61	0,42/0,61	
	5.3	Lowering speed, with/without load			m/s	0,53/0,55	0,53/0,55	0,52/0,50	
	5.5	Drawbar pull, with/without load			N	5083/5171	5055/5162	4998/5143	
	5.6	Max. drawbar pull, with/without load			N	9534/9437	9505/9428	9448/9409	
	5.7	Gradeability, with/without load			%	17,3/22,4	16,6/25,7	15,3/24,2	
	5.8	Max. gradeability, with/without load			%	23,6/22,4	22,7/25,7	21,0/24,2	
	5.10	Service brake				Mechanical	Mechanical	Mechanical	
	Electric motor	6.1	Drive motor rating S2 60 min			kW	6,6x2	6,6x2	6,6x2
		6.2	Lift motor rating S3 15%			kW	11	11	11
6.3		Battery acc. to DIN 43 531/35/36 A, B, C, no				43 531A	43 531A	43 531A	
6.4		Battery voltage, nominal capacity K5			V/Ah	48/440	48/660	48/660	
6.5		Battery weight			kg	708	1013	1013	
Others	8.1	Type of drive control				inverter MOSFET	inverter MOSFET	inverter MOSFET	
	8.2	Operating pressure for attachments			bar	183	183	183	
	8.3	Oil volume for attachments			l/min	41,3	41,3	41,3	
	8.4	Sound level at the driver's ear according to EN 12 053			dB(A)	70,7	70,7	73,5	

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.

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Most dimensions and rated capacities

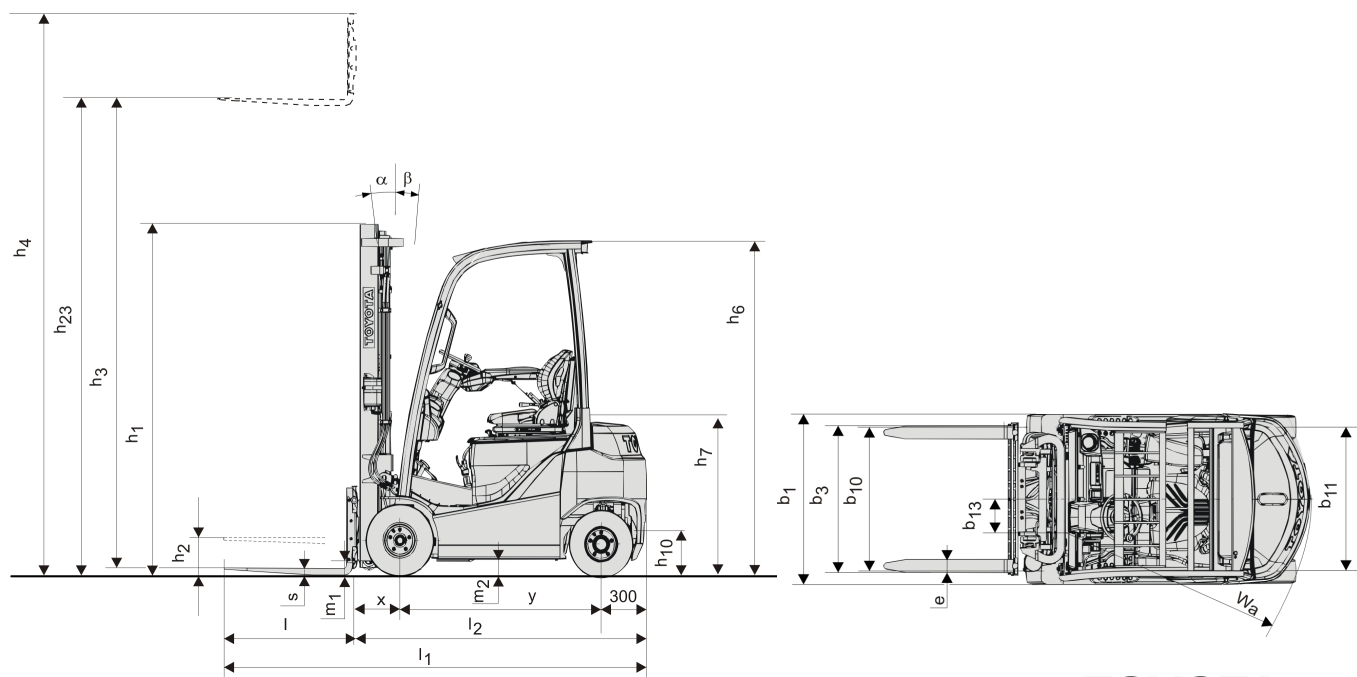
Model			V								FW				FSW									
8FBMT15/16/18/20	Lift height	h_{23}	3000	3300	3500	3700	4000	4200	4500	4700	5000	3000	3300	3500	3700	4300	4500	4700	5000	5500	6000	6500	7000	7500
	Lift	h_3	2965	3265	3465	3665	3965	4165	4465	4665	4965	2965	3265	3465	3665	4265	4465	4665	4965	5465	5965	6465	6965	7465
	Height, mast lowered	h_1	2000	2150	2250	2350	2550	2650	2800	2900	3100	2000	2150	2250	2350	1980	2050	2150	2250	2450	2600	2800	3000	3200
	Height, mast extended ¹⁾	h_4	3545	3845	4045	4245	4545	4745	5045	5245	5545	3555	3855	4055	4255	4845	5045	5245	5545	6045	6545	7045	7545	8045
	Height, mast extended ²⁾	h_4	4260	4560	4760	4960	5260	5460	5760	5960	6260	4260	4560	4760	4960	5560	5760	5960	6260	6760	7260	7760	8260	8760
	Free lift, without load backrest	h_2	120	120	120	120	120	120	120	120	120	1485	1635	1735	1835	1475	1545	1645	1745	1945	2095	2295	2495	2695
	Free lift, with load backrest	h_2	120	120	120	120	120	120	120	120	120	780	930	1030	1130	760	830	930	1030	1230	1380	1580	1780	1980

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm.

Pneumatic shaped cushion tyre			V								FW				FSW								
8FBMT15	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1500	1500	1500	1500	1500	1480	1450	1400	1350	1500	1500	1500	1500	1450	1450	1400	1400	1250	1100	900	850
8FBMT16	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1600	1600	1600	1600	1600	1600	1550	1500	1450	1600	1600	1600	1600	1550	1550	1500	1450	1350	1200	1050	900
8FBMT18	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1800	1800	1800	1800	1800	1800	1750	1700	1650	1800	1800	1800	1800	1700	1700	1600	1600	1450	1250	1100	950
8FBMT20	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	2000	2000	2000	2000	2000	2000	1900	1800	1750	2000	2000	2000	2000	1850	1850	1800	1700	1500	1300	1150	1000

Pneumatic tyre			V								FW				FSW								
8FBMT15	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1500	1500	1500	1500	1500	1480	1450	1400	1350	1500	1500	1500	1500	1400	1380	1350	1200	1100	900	800	700
8FBMT16	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1600	1600	1600	1600	1600	1600	1550	1500	1450	1600	1600	1600	1600	1500	1450	1450	1300	1200	1000	900	800
8FBMT18	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5
	Load capacity at 500 mm LC	kg	1800	1800	1800	1800	1800	1800	1750	1700	1650	1800	1800	1800	1800	1600	1580	1550	1350	1250	1050	950	850



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Standard equipments:

- Toyota SAS (System of Active Stability)
- Toyota AC² power system
- Toyota ORS seat (Operator Restraint System)
- Seat mounted hydraulic minilevers
- Wide visible mast (MFH:3300)
- Long forks (length:1000mm)
- Long forkbar (length: 920mm)
- 3 way valves
- Wet disc brakes
- Pneumatic shaped cushion tyres
- Full hydraulic power steering
- Digital Multifunction Display with wheel indicator
- Memory tilt steering column



745556-040, 0902 — 8FBMT