

Engine powered forklift 3.5 - 5.0 ton

7FG/7FD



TOYOTA

MATERIAL HANDLING

stronger together

Engine powered forklifts 5.0 ton

Truck specifications					02-7FGA50	42-7FDA50
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			02-7FGA50	42-7FDA50
	1.3	Drive			Gasoline	Diesel
	1.4	Operator type			Rider seated	Rider seated
	1.5	Load capacity/rated load	Q	kg	5000	5000
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	570	570
	1.9	Wheelbase	y	mm	2000	2000
Weight	2.1	Service weight			7260	7440
	2.2	Axle load, with load, front/rear			10990/1270	11090/1350
	2.3	Axle load, without load, front/rear			3060/4200	3160/4280
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			P	P
	3.2	Tyre size, front			300-15-18PR(I)	300-15-18PR(I)
	3.3	Tyre size, rear			7.00-12-14PR(I)	7.00-12-14PR(I)
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2	2x/2
	3.6	Track width, front	b ₁₀	mm	1150	1150
	3.7	Track width, rear	b ₁₁	mm	1150	1150
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	6/12	6/12
	4.2	Height, mast lowered	h ₁	mm	2450	2450
	4.3	Free lift	h ₂	mm	120	120
	4.4	Lift	h ₃	mm	2937	2937
		Lift height	h ₂₃	mm	3000	3000
	4.5	Height, mast extended	h ₄	mm	4370	4370
	4.7	Height of overhead guard (cab)	h ₆	mm	2285	2285
	4.8	Seat height/stand height	h ₇	mm	1205	1205
	4.12	Coupling height	h ₁₀	mm	370	370
	4.19	Overall length	l ₁	mm	4400	4370
	4.20	Length to face of forks	l ₂	mm	3180	3150
	4.21	Overall width	b ₁	mm	1450	1450
	4.22	Fork dimensions	s/e/l	mm	63/150/1220	63/150/1220
	4.23	Fork carriage DIN 15 173, class/type A, B			IVA	IVA
	4.24	Fork-carriage width	b ₃	mm	1170	1170
	4.31	Ground clearance, with load, below mast	m ₁	mm	110	110
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	180	180
	4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st}	mm	4580	4550
	4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	4780	4750
	4.35	Turning radius	W _e	mm	2810	2780
	4.36	Internal turning radius	b ₁₃	mm	880	880
Performance data	5.1	Travel speed, with/without load		km/h	23,5/24,0	23,5/24,0
	5.2	Lift speed, with/without load		m/s	0,44/0,48	0,48/0,52
	5.3	Lowering speed, with/without load		m/s	0,50/0,50	0,50/0,50
	5.6	Max. drawbar pull, with/without load		N	36300/17600	36300/17600
	5.7	Gradeability, with load		%	28	29
	5.8	Max. gradeability, with/without load		%	31/22	32/22
	5.10	Service brake			Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type			Toyota 1FZ-E	Toyota 15Z
	7.2	Engine power acc. to ISO 1585		kW	63	55
	7.3	Rated speed		1/min	2350	2100
	7.4	No. of cylinders/displacement		cm ³	6/4476	6/5204
Others	8.2	Operating pressure for attachments		bar	181	181
	8.3	Oil volume for attachments		l/min	95	106
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	82	83

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

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Model			V											FSV							
7FG/DA50	Lift height	h ₂₃	2000	2500	2700	3000	3300	3500	3700	4000	4500	5000	3700	4000	4300	4700	5000	5500	6000		
	Lift	h ₃	1937	2437	2637	2937	3237	3437	3637	3937	4437	4937	3637	3937	4237	4637	4937	5437	5937		
	Height, mast lowered	h ₁	1950	2200	2350	2450	2600	2800	2800	3050	3300	3550	2200	2270	2350	2450	2600	2800	3050		
	Height, mast extended ¹⁾	h ₄	2845	3345	3545	3845	4145	4345	4545	4845	5345	5845	4570	4870	5170	5570	5870	6370	6870		
	Height, mast extended ²⁾	h ₅	3370	3870	4070	4370	4670	4870	5070	5370	5870	6370	5070	5370	5670	6070	6370	6870	7370		
	Free lift, without load backrest	h ₂	120	120	120	120	120	120	120	120	120	120	1330	1400	1480	1580	1730	1930	2180		
	Free lift, with load backrest	h ₂	120	120	120	120	120	120	120	120	120	120	830	900	980	1080	1230	1430	1680		

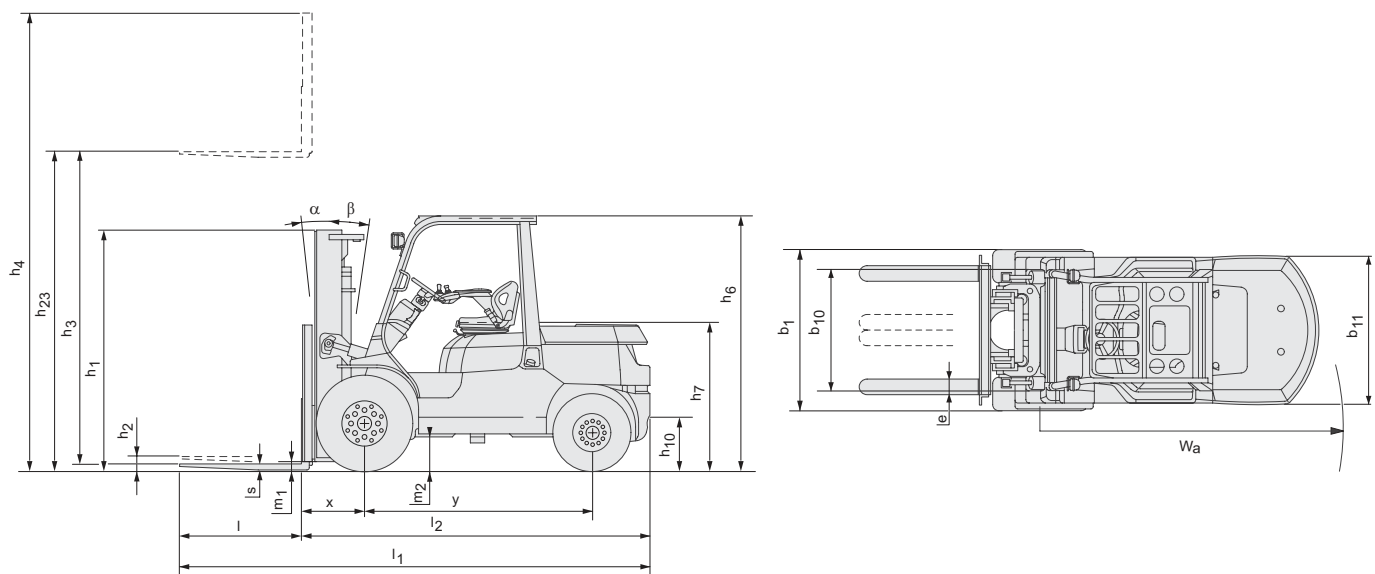
1) Without load backrest

2) With load backrest; Height of standard load backrest is 1370 mm

Single tyre			V										FSV							
7FG/ DA50	Tilt range, forward	deg	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	Tilt range, backward	deg	12(6)	12(8)	12(10)	12(10)	12(10)	12(10)	12(10)	12(10)	6	6	6	6	6	6	6	6		
	Load capacity at 600 mm LC	kg	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	4000	5000	4900	4800	4300	4100	3100	2400

Dual tyre			V										FSV							
7FG/ DA50	Tilt range, forward	deg	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Tilt range, backward	deg	12(6)	12(8)	12(10)	12(10)	12(10)	12(10)	12(10)	12(10)	12(10)	12(10)	6	6	6	6	6			
	Load capacity at 600 mm LC	kg	5000	5000	5000	5000	5000	5000	5000	5000	5000	4800	5000	4900	4800	4600	4500	4300	4100	

Data in () are for when "Cabin Series" or "Cabin Series" + "A4 piping" is selected (minimum front windshield).



Standard equipments:

- Toyota SAS (System of Active Stability*)
- Toyota OPS (Operator Presence Sensing)
- Toyota ORS (Operator Restraint System) seat
- Wide visible mast (MFH: 3000 mm)
- Load backrest [Height: 1220 mm (7FG/D35.40.45); 1370 mm (7FG/DA50)]
- Long forks [Length: 1070 mm (7FG/D35.40.45); 1220 mm (7FG/DA50)]
- Long forkbar (Length: 1170 mm)
- 2-way valve
- Dual brake system
- Pneumatic tyres
- Full hydraulic power steering
- 8" cyclone air cleaner with snorkel air intake
- Headlights
- Combination meter including self diagnostic system
- Memory tilt steering column

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



TP-Technical Publications, Sweden — 745560-040, version 2, 0912 — 7FG/7FD