



## Engine powered forklift 2.5 ton

Truck specifications					02-8FDF25
Identification	1.1	Manufacturer			TOYOTA
	1.2	Model			02-8FDF25
	1.3	Drive			Diesel
	1.4	Operator type			Rider seated
	1.5	Load capacity/rated load	Q	kg	2500
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	470
	1.9	Wheelbase	y	mm	1650
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	5300/800
2.3		Axle load, without load, front/rear		kg	1320/2280
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			7.00-12
	3.3	Tyre size, rear			6.00-9
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	960
	3.7	Track width, rear	b <sub>11</sub>	mm	965
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg
4.2		Height, mast lowered	h <sub>1</sub>	mm	1995
4.3		Free lift	h <sub>2</sub>	mm	150
4.4		Lift	h <sub>3</sub>	mm	2960
		Lift height	h <sub>23</sub>	mm	3000
4.5		Height, mast extended	h <sub>4</sub>	mm	4250
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2110
4.8		Seat height/stand height	h <sub>7</sub>	mm	1050
4.12		Coupling height	h <sub>10</sub>	mm	315
4.19		Overall length	l <sub>1</sub>	mm	3640
4.20		Length to face of forks	l <sub>2</sub>	mm	2640
4.21		Overall width	b <sub>1</sub>	mm	1150
4.22		Fork dimensions	s/e/l	mm	40/100/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIA
4.24		Fork-carriage width	b <sub>3</sub>	mm	1020
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	90
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	135	
4.33	Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	3950	
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	4150	
4.35	Turning radius	W <sub>a</sub>	mm	2280	
4.36	Internal turning radius	b <sub>13</sub>	mm	745	
Performance data	5.1	Travel speed, with/without load		km/h	17,0/17,5
	5.2	Lift speed, with/without load		m/s	0,56/0,60
	5.3	Lowering speed, with/without load		m/s	0,50/0,50
	5.6	Max. drawbar pull, with/without load		N	17400/8500
	5.7	Gradeability, with load <sup>1) 2)</sup>		%	27
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	31/19
	5.10	Service brake			Hydraulic
Combustion engine	7.1	Engine manufacturer/type			Toyota 1DZ-III (IIIA)
	7.2	Engine power acc. to ISO 1585		kW	36
	7.3	Rated speed		1/min	2500
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4/2486
	7.5a	Fuel consumption according to VDI 60		l/h	3,6
	7.5b	Fuel consumption according to VDI 60		kg/h	—
	Others	8.2	Operating pressure for attachments		bar
8.3		Oil volume for attachments		l/min	65-77
8.4		Sound level at the driver's ear according to EN 12 053		dB(A)	79

<sup>1)</sup> At 1,5 km/h

<sup>2)</sup> Computed values

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								FV					FSV						
8DF25	Lift height	$h_{23}$	3000	3300	3500	3700	4000	4500	5000	5500	3000	3300	3500	3700	4000	4300	4700	5000	5500	6000	6500	7000
	Lift	$h_3$	2960	3260	3460	3660	3960	4460	4960	5460	2960	3260	3460	3660	3960	4260	4660	4960	5460	5960	6460	6960
	Height, mast lowered	$h_1$	1995	2145	2245	2405	2595	2845	3095	3345	1995	2145	2245	2405	2595	1995	2145	2245	2405	2595	2845	3095
	Height, mast extended <sup>1)</sup>	$h_4$	3700	4000	4200	4400	4700	5200	5700	6200	3625	3925	4125	4325	4625	4900	5300	5600	6100	6600	7100	7600
	Height, mast extended <sup>2)</sup>	$h_4$	4250	4550	4750	4950	5250	5750	6250	6750	4240	4540	4740	4940	5240	5540	5940	6240	6740	7240	7740	8240
	Free lift, without load backrest	$h_2$	150	150	150	150	150	150	150	150	1400	1550	1650	1810	2000	1425	1575	1675	1835	2025	2275	2525
	Free lift, with load backrest	$h_2$	150	150	150	150	150	150	150	150	785	935	1035	1195	1385	785	935	1035	1195	1385	1635	1885

1) Without load backrest

2) With load backrest; Height of standard load backrest is 1220 mm. Data in [ ] are for when "A4 piping" is selected.

Single tyre			V								FV					FSV						
8DF25	Tilt range, forward	deg	6	6	6	6	6	6	6	—	6	6	6	6	6	6	6	6	6	6	6	—
	Tilt range, backward	deg	11(6)	11(6)	11(6)	11(6)	9	6	6	—	11(6)	11(6)	11(6)	11(6)	9	6	6	6	6	6	6	—
	Load capacity, P tyres at 500 mm LC	kg	2500	2500	2500	2500	2500	2150	1700	—	2500	2500	2500	2500	2500	2300	2000	1500	1250	900	650	—
	Load capacity, SE tyres at 500 mm LC	kg	2500	2500	2500	2500	2500	2300	1850	—	2500	2500	2500	2500	2500	2300	2000	1650	1400	1050	750	—

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

