



## Engine powered forklift 3.0 ton

Truck specifications					02-8FDF30
Identification	1.1	Manufacturer			TOYOTA
	1.2	Model			02-8FDF30
	1.3	Drive			Diesel
	1.4	Operator type			Rider seated
	1.5	Load capacity/rated load	Q	kg	3000
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	485
	1.9	Wheelbase	y	mm	1700
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	6260/990
2.3		Axle load, without load, front/rear		kg	1530/2720
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			28x9-15
	3.3	Tyre size, rear			6.50-10
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1010
	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	2010
4.3		Free lift	h <sub>2</sub>	mm	135
4.4		Lift	h <sub>3</sub>	mm	2955
		Lift height	h <sub>23</sub>	mm	3000
4.5		Height, mast extended	h <sub>4</sub>	mm	4260
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2170
4.8		Seat height/stand height	h <sub>7</sub>	mm	1110
4.12		Coupling height	h <sub>10</sub>	mm	335
4.19		Overall length	l <sub>1</sub>	mm	3780
4.20		Length to face of forks	l <sub>2</sub>	mm	2780
4.21		Overall width	b <sub>1</sub>	mm	1240
4.22		Fork dimensions	s/e/l	mm	45/100/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIIA
4.24		Fork-carriage width	b <sub>3</sub>	mm	1070
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	110
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	180	
4.33	Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	4115	
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	4315	
4.35	Turning radius	W <sub>a</sub>	mm	2430	
4.36	Internal turning radius	b <sub>13</sub>	mm	720	
Performance data	5.1	Travel speed, with/without load		km/h	16,0/16,5
	5.2	Lift speed, with/without load		m/s	0,44/0,47
	5.3	Lowering speed, with/without load		m/s	0,50/0,50
	5.6	Max. drawbar pull, with/without load		N	18400/10400
	5.7	Gradeability, with load <sup>1) 2)</sup>		%	24
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	27/20
	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/mi n	2500
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4/2486
	7.5a	Fuel consumption according to VDI 60		l/h	4,4
	7.5b	Fuel consumption according to VDI 60		kg/h	—
Others	8.2	Operating pressure for attachments		bar	147
	8.3	Oil volume for attachments		l/min	65-75
	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

Model			V							FV					FS V								
8FDF30	Lift height	$h_{23}$	300	3300	3500	370	4000	4500	500	550	6000	300	330	350	3700	400	4300	4700	500	550	6000	6500	7000
	Lift	$h_3$	295	3255	3455	365	3955	4455	495	545	5955	295	325	345	3655	395	4255	4655	495	545	5955	6455	6955
	Height, mast lowered	$h_1$	201	2160	2260	242	2610	2860	311	336	3650	201	216	226	2420	261	2160	2260	242	261	2860	311	3360
	Height, mast extended <sup>1)</sup>	$h_4$	376	4065	4265	446	4765	5265	576	626	6765	365	395	415	4350	465	4950	5350	565	615	6650	7150	7650
	Height, mast extended <sup>2)</sup>	$h_4$	426	4560	4760	496	5260	5760	626	676	7260	425	455	475	4950	525	5550	5950	625	675	7250	7750	8250
	Free lift, without load backrest	$h_2$	135	135	135	135	135	135	135	135	135	140	155	165	181	200	1550	1650	181	200	2250	2500	2750
	Free lift, with load backrest	$h_2$	135	135	135	135	135	135	135	135	135	800	950	105	1210	140	950	1050	121	140	1650	1900	2150

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					FS V								
8FDF30	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	11(6	6	6	—	—	11(6	11(6	11(6	11(6	11(6	6	6	6	6	6	6	—
	Load capacity, P tyres at 500 mm LC	kg	3000	3000	3000	3000	3000	3000	2600	—	—	300	3000	3000	3000	3000	300	300	260	190	150	100	—
	Load capacity, SE tyres at 500 mm LC	kg	3000	3000	3000	3000	3000	3000	2750	—	—	300	3000	3000	3000	3000	300	300	275	205	165	110	—

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

