



## Engine powered forklift 1.8 ton

Truck specifications					02-8FDF18
Identification	1.1	Manufacturer			TOYOTA
	1.2	Model			02-8FDF18
	1.3	Drive			Diesel
	1.4	Operator type			Rider seated
	1.5	Load capacity/rated load	Q	kg	1750
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	410
	1.9	Wheelbase	y	mm	1485
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	3940/540
2.3		Axle load, without load, front/rear		kg	1120/1610
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE
	3.2	Tyre size, front			6.50-10
	3.3	Tyre size, rear			5.00-8
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Track width, front	$b_{10}$	mm	885
	3.7	Track width, rear	$b_{11}$	mm	895
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg
4.2		Height, mast lowered	$h_1$	mm	1995
4.3		Free lift	$h_2$	mm	150
4.4		Lift	$h_3$	mm	2960
		Lift height	$h_{23}$	mm	3000
4.5		Height, mast extended	$h_4$	mm	4250
4.7		Height of overhead guard (cab)	$h_6$	mm	2080
4.8		Seat height	$h_7$	mm	1020
4.12		Coupling height	$h_{10}$	mm	285
4.19		Overall length	$l_1$	mm	3315
4.20		Length to face of forks	$l_2$	mm	2315
4.21		Overall width	$b_1$	mm	1070
4.22		Fork dimensions	s/e/l	mm	40/80/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIA
4.24		Fork-carriage width	$b_3$	mm	920
4.31		Ground clearance, with load, below mast	$m_1$	mm	80
4.32		Ground clearance, centre of wheelbase	$m_2$	mm	95
4.33		Aisle width for pallets 1000 x 1200 crossways	$A_{st}$	mm	3620
4.34	Aisle width for pallets 800 x 1200 lengthways	$A_{st}$	mm	3820	
4.35	Turning radius	$W_a$	mm	2010	
4.36	Internal turning radius	$d_{13}$	mm	575	
Performance data	5.1	Travel speed, with/without load		km/h	18,0/18,5
	5.2	Lift speed, with/without load		m/s	0,65/0,68
	5.3	Lowering speed, with/without load		m/s	0,50/0,55
	5.6	Max. drawbar pull, with/without load		N	16600/6300
	5.7	Gradeability, with load <sup>1) 2)</sup>		%	37
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	41/20
	5.10	Service brake			Hydraulic
Engine combustion	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	2400
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4/2486
	7.5a	Fuel consumption according to VDI 60		l/h	3,0
	7.5b	Fuel consumption according to VDI 60		kg/h	—
Others	8.2	Operating pressure for attachments		bar	118
	8.3	Oil volume for attachments		l/min	64 max.
	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					FSV							
8FG/DF15/18	Lift height	$h_{23}$	3000	330	350	370	400	450	500	550	3000	330	350	370	4000	430	4700	5000	5500	6000	6500	7000
	Lift	$h_3$	2960	326	346	366	396	446	496	546	2960	326	346	366	3960	426	4660	4960	5460	5960	6460	6960
	Height, mast lowered	$h_1$	1995	214	224	240	259	284	309	334	1995	214	224	240	2595	199	2145	2245	2405	2595	2845	3095
	Height, mast extended <sup>1)</sup>	$h_4$	3640	394	414	434	464	514	564	614	3590	389	409	429	4590	486	5265	5565	6065	6565	7065	7565
	Height, mast extended <sup>2)</sup>	$h_4$	4250	455	475	495	525	575	625	675	4240	454	474	494	5240	554	5940	6240	6740	7240	7740	8240
	Free lift, without load backrest	$h_2$	150	150	150	150	150	150	150	150	144	159	169	185	204	146	1610	1710	1870	2060	2310	2560
	Free lift, with load backrest	$h_2$	150	150	150	150	150	150	150	150	785	935	103	119	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							
8FG/DF18	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	1750	1750	1750	1750	1700	1600	155	—	1750	1750	1750	1750	1700	1550	1500	1450	110	850	50	—
	Load capacity, SE tyres at 500 mm LC	kg	1750	1750	1750	1750	1700	1600	155	—	1750	1750	1750	1750	1700	1550	1500	1450	120	950	57	—

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

