



## Engine powered forklifts 7,0 ton

Truck specifications					40-8FD70N
Identification	1.1	Manufacturer			Toyota
	1.2	Model			40-8FD70N
	1.3	Drive			Diesel
	1.4	Operator type			Driver seated
	1.5	Load capacity/rated load	Q	kg	7000
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	585
	1.9	Wheelbase	y	mm	2250
	Weight	2.1	Service weight		kg
2.2		Axle load with load, front/rear		kg	14340/1785
2.3		Axle load without load, front/rear		kg	3650/5475
Tyres	3.1	Tyres - Pneumatic (P), Pneumatic shaped cushion (PSC), Solid rubber (R)			P
	3.2	Tyre size, front			8.25-15-14PR
	3.3	Tyre size, rear			8.25-15-14PR
	3.5	Wheels, number front/rear (x = driven)			2x-4x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1440
	3.7	Track width, rear	b <sub>11</sub>	mm	1460
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg
4.2		Height, mast lowered	h <sub>1</sub>	mm	2460
4.3		Free lift	h <sub>2</sub>	mm	125
4.4		Lift	h <sub>3</sub>	mm	2935
		Lift height	h <sub>23</sub>	mm	3000
4.5		Height, mast extended	h <sub>4</sub>	mm	4435
4.7		Height of overhead guard (cab) <sup>1)</sup>	h <sub>6</sub>	mm	2310
4.8		Seat height	h <sub>7</sub>	mm	1128
4.12		Coupling height	h <sub>10</sub>	mm	485
4.19		Overall length	l <sub>1</sub>	mm	4745
4.20		Length to face of forks	l <sub>2</sub>	mm	3545
4.21		Overall width	b <sub>1</sub>	mm	1965
4.22		Fork dimensions	s/e/ l	mm	65/150/1200
4.23		Fork carriage DIN 15 173, class/type A, B			IV A
4.24		Fork-carriage width	b <sub>3</sub>	mm	1700
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	125
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	250	
4.33	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	5065	
4.34	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	5295	
4.35	Turning radius	W <sub>a</sub>	mm	3230	
4.36	Internal turning radius	b <sub>13</sub>	mm	980	
Performance data	5.1	Travel speed, with/without load		km/h	21/19
	5.2	Lift speed, with/without load		m/s	0,38/0,42
	5.3	Lowering speed, with/without load		m/s	0,53/,048
	5.6	Max. drawbar pull, with/without load		N	45000/20500
	5.7	Gradeability, with load		%	21
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	30/21
	5.10	Service brake			Hydraulic
Combustion engine	7.1	Engine manufacturer/type			Toyota 1KD
	7.2	Engine power (ISO 1585)		kW	55
	7.3	Rated speed		min <sup>-1</sup>	2200
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4/2982
	7.5a	Fuel consumption (VDI cycle)		l/h	7,4
	7.5b	Fuel consumption (VDI cycle)		kg/h	
Other	8.2	Operating pressure for attachments		bar	210
	8.3	Oil volume for attachments		l/min	128
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	79

1) Overhead guard dimensions reflected in the specification sheet are based on optional overhead guard (+75mm) TMHE recommends this optional height for trucks sold in Europe for reasons of additional comfort for majority of European drivers.

2) 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									FSV				
8FGD70N	Lift height	$h_{23}$	3000	3300	3500	3700	4000	4500	5000	5500	6000	4000	4300	4700	5000	6000
	Lift	$h_3$	2935	3235	3435	3635	3935	4435	4935	5435	5935	3935	4235	4635	4935	5935
	Height, mast lowered	$h_1$	2460	2610	2710	2810	3060	3310	3560	3810	4060	2360	2460	2550	2810	3110
	Height, mast extended <sup>1)</sup>	$h_4$	3980	4280	4480	4680	4980	5480	5980	6480	6980	5060	5360	5750	6160	7110
	Height, mast extended <sup>2)</sup>	$h_4$	4435	4735	4935	5135	5435	5935	6435	6935	7435	5435	5735	6135	6435	7435
	Free lift, without load backrest	$h_2$	125	125	125	125	125	125	125	125	125	1365	1465	1565	1715	2065
	Free lift, with load backrest	$h_2$	125	125	125	125	125	125	125	125	125	990	1090	1180	1440	1740

1) Without load backrest.

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

Dual tyre			V									FSV				
8FD70N	Tilt range, forward	deg	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Tilt range, Backward	deg	12	12	12	12	12	12	12	2	12	6	6	6	6	6
	Load capacity at 600 mm LC	kg	7000	7000	7000	7000	7000	7000	7000	7000	6700	6500	6700	6700	6700	6700

