

# Engine powered forklifts 6.0 - 8.0 ton

Truck specifications				40-8FD60N	40-8FD70N	40-8FD80N	
Identification	1.1	Manufacturer		TOYOTA	TOYOTA	TOYOTA	
	1.2	Model		40-8FD60N	40-8FD70N	40-8FD80N	
	1.3	Drive		Diesel	Diesel	Diesel	
	1.4	Operator type		Rider Seated	Rider Seated	Rider Seated	
	1.5	Load capacity/rated load	Q	kg	6000	7000	8000
	1.6	Load centre	c	mm	600	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	580	585	590
	1.9	Wheelbase	y	mm	2250	2250	2250
	Weight	2.1	Service weight		kg	8360	9090
2.2		Axle load, with load, front/rear		kg	12850/1510	14330/1760	15860/2080
2.3		Axle load, without load, front/rear		kg	3705/4655	3640/5450	3630/6310
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)		P	P	P	
	3.2	Tyre size, front		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	
	3.3	Tyre size, rear		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	
	3.5	Wheels, number front/rear (x=driven wheels)		4/2	4/2	4/2	
	3.6	Track width, front	b <sub>10</sub>	mm	1440	1440	1440
	3.7	Track width, rear	b <sub>11</sub>	mm	1460	1460	1460
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg	6/12	6/12
4.2		Height, mast lowered	h <sub>1</sub>	mm	2460	2460	2610
4.3		Free lift	h <sub>2</sub>	mm	125	125	130
4.4		Lift	h <sub>3</sub>	mm	2940	2935	2930
		Lift height	h <sub>23</sub>	mm	3000	3000	3000
4.5		Height, mast extended	h <sub>4</sub>	mm	4435	4435	4440
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2385	2385	2385
4.8		Seat height/stand height	h <sub>7</sub>	mm	1128	1128	1128
4.12		Coupling height	h <sub>10</sub>	mm	485	485	485
4.19		Overall length	l <sub>1</sub>	mm	4690	4745	4790
4.20		Length to face of forks	l <sub>2</sub>	mm	3490	3545	3590
4.21		Overall width	b	mm	1965	1965	1965
4.22		Fork dimensions	s/e/l	mm	60/150/1200	65/150/1200	70/150/1200
4.23		Fork carriage DIN 15 173, class/type A, B			I/A	I/A	I/A
4.24		Fork-carriage width	b <sub>3</sub>	mm	1700	1700	1700
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	125	125	125
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	250	250	250
4.33	Aisle width for pallets 1000 x 1200 crossways	A <sub>31</sub>	mm	5010	5065	5110	
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>3l</sub>	mm	5210	5265	5310	
4.35	Turning radius	W <sub>a</sub>	mm	3230	3280	3320	
4.36	Internal turning radius	b <sub>13</sub>	mm	930	980	1020	
Performance data	5.1	Travel speed, with/without load		km/h	19/21	19/21	19/21
	5.2	Lift speed, with/without load		m/s	0,39/0,42	0,38/0,42	0,36/0,42
	5.3	Lowering speed, with/without load		m/s	0,53/0,48	0,53/0,48	0,53/0,48
	5.6	Max. drawbar pull, with/without load		N	46000/20500	45000/19500	45000/19300
	5.7	Gradeability, with load		%	24	21	19
	5.8	Max. gradeability, with/without load		%	34/24	30/21	27/18
5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	
Combustion engine	7.1	Engine manufacturer/type		TOYOTA 1KD	TOYOTA 1KD	TOYOTA 1KD	
	7.2	Engine power acc. to ISO 1585		kW	55	55	55
	7.3	Rated speed		1/min	2200	2200	2200
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4/2982	4/2983	4/2984
	7.5	Fuel consumption according to VDI60		l/h	6,7	7,4	8,2
Others	8.2	Operating pressure for attachments		bar	210	210	210
	8.3	Oil volume for attachments		l/min	128	128	128
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	79	79	79

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					
40-8FD60N	Lift height	$h_{23}$	3000	3300	3500	3700	4000	4500	5000	5500	6000	4000	4300	4700	5000	6000
	Lift	$h_3$	2940	3240	3440	3640	3940	4440	4940	5440	5940	3940	4240	4640	4940	5940
	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	5080	5380	5750	6180	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

Model			V								FSV					
40-8FD70N	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

Model			V								FSV					
40-8FD80N	Lift height	$h_{23}$	3000	3300	3500	3700	4000	4500	5000	5500	6000	—	—	—	—	—
	Lift	$h_3$	2930	3230	3430	3630	3930	4430	4930	5430	5930	—	—	—	—	—
	Height, mast lowered	$h_1$	2610	2710	2810	3060	3310	3560	3810	4060	4310	—	—	—	—	—
	Height, mast extended <sup>1)</sup>	$h_4$	4085	4385	4585	4785	5085	5585	6085	6585	7085	—	—	—	—	—
	Height, mast extended <sup>2)</sup>	$h_4$	4440	4740	4940	5140	5440	5940	6440	6940	7440	—	—	—	—	—
	Free lift, without load backrest	$h_2$	130	130	130	130	130	130	130	130	130	—	—	—	—	—
	Free lift, with load backrest	$h_2$	130	130	130	130	130	130	130	130	130	—	—	—	—	—

1) Without load backrest

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

Dual tyre			V								FSV					
40-8FD60N	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	12	12	6	6	6	6	6
	Load capacity at 600 mm LC	kg	6000	6000	6000	6000	6000	6000	6000	6000	5700	5700	5700	5500	5500	5200
40-8FD70N	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	12	12	6	6	6	6	6
	Load capacity at 600 mm LC	kg	7000	7000	7000	7000	7000	7000	4000	6700	6500	6700	6700	6700	6700	5700
40-8FD80N	Tilt range, forward	deg	6	6	6	6	6	6	6	6	6	—	—	—	—	—
	Tilt range, backward	deg	12	12	12	12	12	12	12	12	12	—	—	—	—	—
	Load capacity at 600 mm LC	kg	8000	8000	8000	8000	8000	8000	8000	7700	7500	—	—	—	—	—

