



Engine powered forklifts 4.0 ton

Truck specifications					40-8FD40N	
Identification	1.1	Manufacturer			TOYOTA	
	1.2	Model			40-8FD40N	
	1.3	Drive			Diesel	
	1.4	Operator type			Rider seated	
	1.5	Load capacity/rated load	Q	kg	4500 (4000)	
	1.6	Load centre	c	mm	500 (600)	
	1.8	Load distance, centre of drive axle to fork	x	mm	505	
	1.9	Wheelbase	y	mm	1900	
	Weight	2.1	Service weight		kg	6150
2.2		Axle load, with load, front/rear		kg	9380/1270 (8830/1320)	
2.3		Axle load, without load, front/rear		kg	2500/3650	
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			P	
	3.2	Tyre size, front			250-15-16PR	
	3.3	Tyre size, rear			7.00-12-12PR	
	3.5	Wheels, number front/rear (x = driven wheels)			2/2	
	3.6	Track width, front	b ₁₀	mm	1115	
	3.7	Track width, rear	b ₁₁	mm	1100	
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	6/12
4.2		Height, mast lowered	h ₁	mm	2110	
4.3		Free lift	h ₂	mm	110	
4.4		Lift	h ₃	mm	2950	
		Lift height	h ₂₃	mm	3000	
4.5		Height, mast extended	h ₄	mm	4270	
4.7		Height of overhead guard (cab)	h ₆	mm	2285 *	
4.8		Seat height	h ₇	mm	1128	
4.12		Coupling height	h ₁₀	mm	420	
4.19		Overall length	l ₁	mm	3980	
4.20		Length to face of forks	l ₂	mm	2980	
4.21		Overall width	b ₁	mm	1350	
4.22		Fork dimensions	s/e/ l	mm	50/150/1000	
4.23		Fork carriage DIN 15 173, class/type A, B			IIIA	
4.24		Fork-carriage width	b ₃	mm	1170	
Performance data		5.1	Travel speed, with/without load		km/h	23/24
	5.2	Lift speed, with/without load		m/s	0,56/0,57	
	5.3	Lowering speed, with/without load		m/s	0,53/0,48	
	5.6	Max. drawbar pull, with/without load		N	37000/13000	
	5.7	Gradeability, with load		%	30	
	5.8	Max. gradeability, with/without load		%	40/21	
	5.10	Service brake			Hydraulic	
	Combustion engine	7.1	Engine manufacturer/type			TOYOTA 1KD
		7.2	Engine power acc. to ISO 1585		kW	55
		7.3	Rated speed		1/min	2200
7.4		No. of cylinders/displacement		cm ³	4/2982	
7.5a		Fuel consumption according to VDI60		l/h	4,6	
7.5b		Fuel consumption according to VDI60		kg/h	—	
Other	8.2	Operating pressure for attachments		bar	185	
	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)	77	

* Height of overhead guard for containers available

(2210 mm). Data in () applicable for 600 mm LC.

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							
8FD40N	Lift height	h_{23}	300	3300	370	400	450	500	300	330	350	3700	400	400	430	450	4700	5000	550	6000	
	Lift	h_3	295	3250	365	395	445	495	295	325	345	3650	395	395	425	445	4650	4950	545	5950	
	Height, mast lowered	h_1	211	2290	249	274	299	324	211	229	239	2490	274	211	216	222	2290	2390	254	2740	
	Height, mast extended ¹⁾	h_4	385	4150	455	485	535	585	388	418	438	4580	488	488	518	538	5580	5880	638	6880	
	Height, mast extended ²⁾	h_4	427	4570	497	527	577	627	427	457	477	4970	527	527	557	577	5970	6270	677	7270	
	Free lift, without load backrest	h_2	110	110	110	110	110	110	128	146	156	1660	191	128	133	139	1460	1560	171	1910	
	Free lift, with load backrest	h_2	110	110	110	110	110	110	890	107	117	1270	152	890	940	100	1070	1170	132	1520	

1) Without load backrest.

2) With load backrest; Height of standard load backrest is 1220 mm

Single tyre			V						FV					FSV							
8FG/D40N	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	12	12	12	12	6	6	12	12	12	12	12	6	6	6	6	6	6	6	
	Load capacity at 500 mm LC	kg	450	450	450	450	450	420	4500	450	450	450	450	450	450	450	450	4400	3500	2700	
	Load capacity at 600 mm LC	kg	400	400	400	400	4000	400	4000	400	400	400	400	400	400	400	400	4000	3500	(3550) (2750)	

() = Load capacity with PSC tyres.

Dual tyre			V						FV					FSV							
8FD40N	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	12	12	12	12	12	12	12	12	12	12	12	6	6	6	6	6	6	6	
	Load capacity at 500 mm LC	kg	450	450	450	450	4500	4400	450	4500	450	450	4500	450	4500	450	450	440	420	3300	
	Load capacity at 600 mm LC	kg	400	400	400	400	400	4000	400	4000	400	400	4000	400	400	400	400	400	400	3300	

