

Engine powered forklift 1.5 - 3.5 ton

TONERO



Engine powered forklift 1.5 - 1.75 ton

Truck specifications					02-8FGF15	42-8FDF15	02-8FGF18	42-8FDF18	
Identification	1.1	Manufacturer			TOYOTA	TOYOTA	TOYOTA	TOYOTA	
	1.2	Model			02-8FGF15	42-8FDF15	02-8FGF18	42-8FDF18	
	1.3	Drive			LPG	Diesel	LPG	Diesel	
	1.4	Operator type			Rider seated	Rider seated	Rider seated	Rider seated	
	1.5	Load capacity/rated load	Q	kg	1500	1500	1750	1750	
	1.6	Load centre	c	mm	500	500	500	500	
	1.8	Load distance, centre of drive axle to fork	x	mm	410	410	410	410	
	1.9	Wheelbase	y	mm	1485	1485	1485	1485	
	Weight	2.1	Service weight		kg	2450	2550	2630	2730
2.2		Axle load, with load, front/rear		kg	3460/490	3510/540	3820/560	3940/540	
2.3		Axle load, without load, front/rear		kg	1040/1410	1090/1460	1000/1630	1120/1610	
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE	SE	SE	
	3.2	Tyre size, front			6,50 - 10	6,50 - 10	6,50 - 10	6,50 - 10	
	3.3	Tyre size, rear			5,00 - 8	5,00 - 8	5,00 - 8	5,00 - 8	
	3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2	2x/2	2x/2	
	3.6	Track width, front	b ₁₀	mm	885	885	885	885	
	3.7	Track width, rear	b ₁₁	mm	895	895	895	895	
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	6/11	6/11	6/11	6/11
4.2		Height, mast lowered	h ₁	mm	1995	1995	1995	1995	
4.3		Free lift	h ₂	mm	150	150	150	150	
4.4		Lift	h ₃	mm	2960	2960	2960	2960	
		Lift height	h ₂₃	mm	3000	3000	3000	3000	
4.5		Height, mast extended	h ₄	mm	4250	4250	4250	4250	
4.7		Height of overhead guard (cab)	h ₆	mm	2080	2080	2080	2080	
4.8		Seat height	h ₇	mm	1020	1020	1020	1020	
4.12		Coupling height	h ₁₀	mm	285	285	285	285	
4.19		Overall length	l ₁	mm	3290	3290	3315	3315	
4.20		Length to face of forks	l ₂	mm	2290	2290	2315	2315	
4.21		Overall width	b ₁	mm	1070	1070	1070	1070	
4.22		Fork dimensions	s/e/l	mm	40/80/1000	40/80/1000	40/80/1000	40/80/1000	
4.23		Fork carriage DIN 15 173, class/type A, B			I/A	I/A	I/A	I/A	
4.24		Fork-carriage width	b ₃	mm	920	920	920	920	
Performance data		5.1	Travel speed, with/without load		km/h	18,5/19,0	12,0/12,5	18,5/19,0	12,0/12,5
	5.2	Lift speed, with/without load		m/s	0,67/0,68	0,45/0,52	0,67/0,68	0,45/0,52	
	5.3	Lowering speed, with/without load		m/s	0,50/0,55	0,50/0,55	0,50/0,55	0,50/0,55	
	5.6	Max. drawbar pull, with/without load		N	17500/6300	11800/6300	17500/6300	11800/6300	
	5.7	Gradeability, with load ¹⁾²⁾		%	41	27	40	24	
	5.8	Max. gradeability, with/without load ²⁾		%	45/22	33/20	44/20	29/20	
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	
	Combustion engine	7.1	Engine manufacturer/type			Toyota 4Y-ECS (V)	Toyota 1DZ-III (V)	Toyota 4Y-ECS (V)	Toyota 1DZ-III (V)
		7.2	Engine power according to ISO 1585		kW	38	17,5	38	17,5
		7.3	Rated speed		1/min	2570	1700	2570	1700
7.4		No. of cylinders/displacement		cm ³	4/2237	4/2486	4/2237	4/2486	
7.5a		Fuel consumption according to EN16796		l/h	—	2,4	—	2,6	
7.5b		Fuel consumption according to EN16796		kg/h	2,1	—	2,1	—	
Others	8.2	Operating pressure for attachments		bar	118	118	118	118	
	8.3	Oil volume for attachments		l/min	65 max.	64 max.	65 max.	64 max.	
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	77	79	77	79	

¹⁾ At 1,5 km/h

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								FV					FSV						
8FG/DF15/18	Lift height	h_{23}	3000	3300	3500	3700	4000	4500	5000	5500	3000	3300	3500	3700	4000	4300	4700	5000	5500	6000	6500	7000
	Lift	h_3	2960	3260	3460	3660	3960	4460	4960	5460	2960	3260	3460	3660	3960	4260	4660	4960	5460	5960	6460	6960
	Height, mast lowered	h_1	1995	2145	2245	2405	2595	2845	3095	3345	1995	2145	2245	2405	2595	1995	2145	2245	2405	2595	2845	3095
	Height, mast extended ¹⁾	h_4	3640	3940	4140	4340	4640	5140	5640	6140	3590	3890	4090	4290	4590	4865	5265	5565	6065	6565	7065	7565
	Height, mast extended ²⁾	h_4	4250	4550	4750	4950	5250	5750	6250	6750	4240	4540	4740	4940	5240	5540	5940	6240	6740	7240	7740	8240
	Free lift, without load backrest	h_2	150	150	150	150	150	150	150	150	1440	1590	1690	1850	2040	1460	1610	1710	1870	2060	2310	2560
	Free lift, with load backrest	h_2	150	150	150	150	150	150	150	150	785	935	1035	1195	1385	785	935	1035	1195	1385	1635	1885

1) Without load backrest

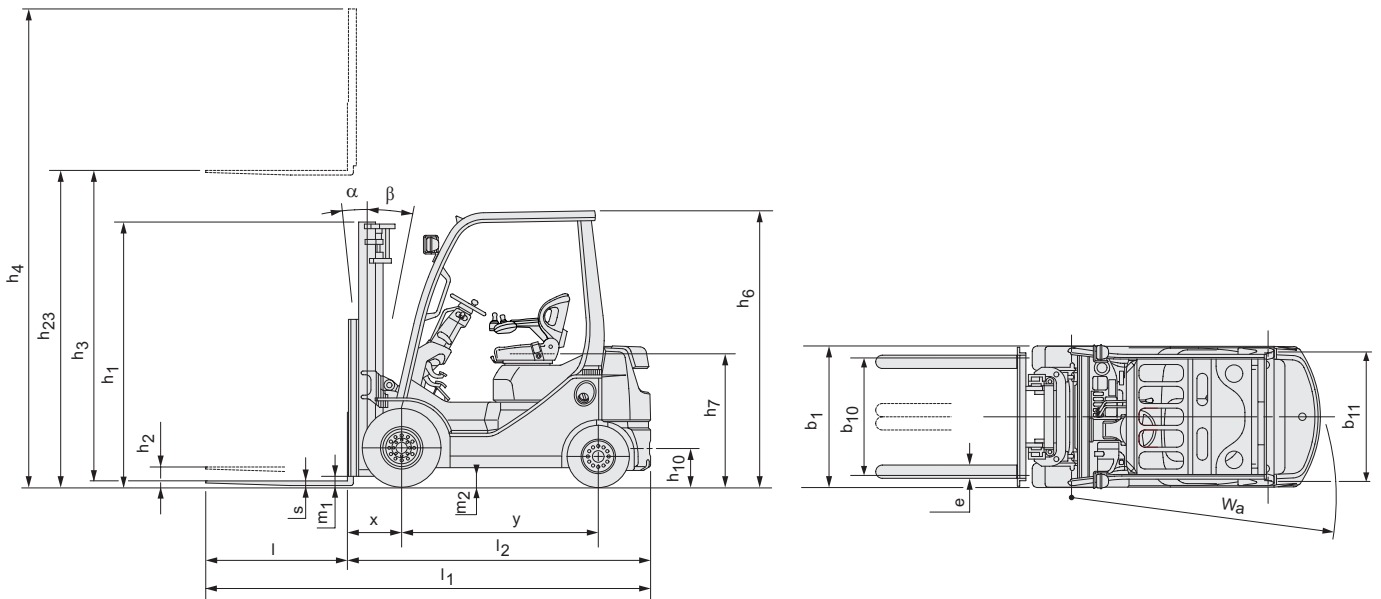
2) With load backrest; Height of standard load backrest is 1220 mm.

Data in [] are for when "A4 piping" is selected.

Single tyre			V								FV					FSV						
8FG/DF15	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	1500	1500	1500	1500	1500	1450	1300	—	1500	1500	1500	1500	1500	1400	1350	1250	950	700	500	—
	Load capacity, SE tyres at 500 mm LC	kg	1500	1500	1500	1500	1500	1450	1300	—	1500	1500	1500	1500	1500	1400	1350	1300	1050	800	570	—
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	1550	—	1750	1750	1750	1750	1700	1550	1500	1450	1100	850	500	—
	Load capacity, SE tyres at 500 mm LC	kg	1750	1750	1750	1750	1700	1600	1550	—	1750	1750	1750	1750	1700	1550	1500	1450	1200	950	570	—

Dual tyre			V								FV					FSV						
8FG/DF15	Tilt range, forward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Tilt range, backward	deg	10(5)	10(5)	10(5)	10(5)	10(5)	10(5)	5	5	10(5)	10(5)	10(5)	10(5)	10(5)	5	5	5	5	5	5	5
	Load capacity, P/SE tyres 500 mm LC	kg	1500	1500	1500	1500	1500	1450	1350	1300	1500	1500	1500	1500	1500	1400	1350	1300	1250	1100	900	650
8FG/DF18	Tilt range, forward	deg	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Tilt range, backward	deg	10(5)	10(5)	10(5)	10(5)	10(5)	10(5)	5	5	10(5)	10(5)	10(5)	10(5)	10(5)	5	5	5	5	5	5	5
	Load capacity, P/SE tyres at 500 mm LC	kg	1750	1750	1750	1750	1700	1600	1550	1450	1750	1750	1750	1750	1700	1550	1500	1450	1400	1200	850	600

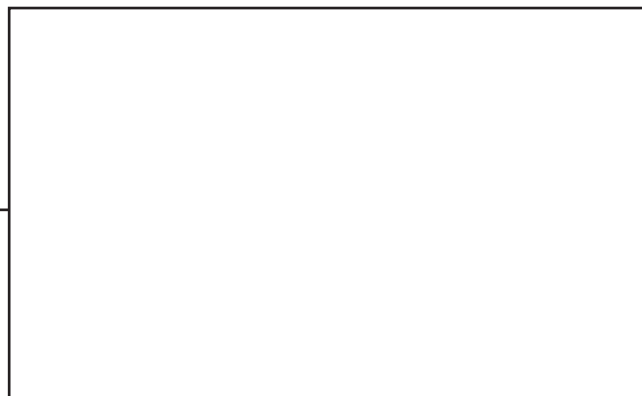
Data in () are for when "Cabin Series" is selected (minimum front windshield).



Standard equipments:

- Toyota SAS (System of Active Stability*)
- Toyota OPS (Operator Presence Sensing)
- Toyota ORS seat (Operator Restraint System)
- Orange seatbelt including seat belt interlock
- Wide visible mast (V3000 mm)
- Load backrest (Height: 1220 mm)
- Long forks (Length: 1000 mm)
- Long forkbar [Length: 920 mm (8FG/DF15.18); 1020 mm (8FG/DKF20, 8FG/ DF20.25); 1070 mm (8FG/DF30,8FG/DJF35)]
- 3-way valve (A400)
- Dual brake system
- Pneumatic shaped cushion tyres
- Full hydraulic power steering
- 7" cyclone air cleaner with snorkel air intake
- Anti-restart ignition key switch
- Long life coolant 50%
- LED Headlights
- LED Rear combination lights
- Multi function display II including self diagnostic system
- Travel speed control, engine auto stop and ECO mode (except 1DZ-III engine)
- Adjustable tilt steering column
- Polycarbonate roof
- Tilt cylinder boots (STD on 1ZS engine only)

* = When dual tyres are selected, the Active Control Rear Stabilizer function of the SAS system of Active Stability (SAS) is not included.



TMHE-Toyota Material Handling Europe — 745562-040, version 9, 2019-11-12

TOYOTA

MATERIAL HANDLING