

# Engine powered forklift 1.5 - 3.5 ton

**TONERO**



# Engine powered forklift 3.0 ton

Truck specifications					02-8FGF30	52-8FDF30
Identification	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			02-8FGF30	52-8FDF30
	1.3	Drive			LPG	Diesel
	1.4	Operator type			Rider seated	Rider seated
	1.5	Load capacity/rated load	Q	kg	3000	3000
	1.6	Load centre	c	mm	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	485	485
	1.9	Wheelbase	y	mm	1700	1700
	Weight	2.1	Service weight		kg	4210
2.2		Axle load, with load, front/rear		kg	6230/980	6280/1000
2.3		Axle load, without load, front/rear		kg	1490/2720	1540/2740
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			SE	SE
	3.2	Tyre size, front			28x9-15	28x9-15
	3.3	Tyre size, rear			6,50-10	6,50-10
	3.5	Wheels, number front/rear (x = driven wheels)			2x/2	2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1010	1010
	3.7	Track width, rear	b <sub>11</sub>	mm	965	965
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward			$\alpha/\beta$ deg
4.2		Height, mast lowered			h <sub>1</sub> mm	2010
4.3		Free lift			h <sub>2</sub> mm	135
4.4		Lift			h <sub>3</sub> mm	2955
		Lift height			h <sub>23</sub> mm	3000
4.5		Height, mast extended			h <sub>4</sub> mm	4260
4.7		Height of overhead guard (cab)			h <sub>6</sub> mm	2170
4.8		Seat height			h <sub>7</sub> mm	1110
4.12		Coupling height			h <sub>10</sub> mm	335
4.19		Overall length			l <sub>1</sub> mm	3780
4.20		Length to face of forks			l <sub>2</sub> mm	2780
4.21		Overall width			b <sub>1</sub> mm	1240
4.22		Fork dimensions			s/e/l mm	45/100/1000
4.23		Fork carriage DIN 15 173, class/type A, B				IIIA
4.24		Fork-carriage width			b <sub>3</sub> mm	1070
4.31		Ground clearance, with load, below mast			m <sub>1</sub> mm	110
4.32		Ground clearance, centre of wheelbase			m <sub>2</sub> mm	180
4.33		Aisle width for pallets 1000x1200 crossways			A <sub>st</sub> mm	4115
4.34	Aisle width for pallets 800x1200 lengthways			A <sub>st</sub> mm	4315	
4.35	Turning radius			W <sub>a</sub> mm	2430	
4.36	Internal turning radius			b <sub>13</sub> mm	720	
Performance data	5.1	Travel speed, with/without load			km/h	18,5/19,0
	5.2	Lift speed, with/without load			m/s	0,51/0,55
	5.3	Lowering speed, with/without load			m/s	0,50/0,50
	5.6	Max. drawbar pull, with/without load			N	18000/10300
	5.7	Gradeability, with load <sup>1)2)</sup>			%	23
	5.8	Max. gradeability, with/without load <sup>2)</sup>			%	26/20
	5.10	Service brake				Hydraulic
Combustion engine	7.1	Engine manufacturer/type				Toyota 4Y-ECS (V)
	7.2	Engine power according to ISO 1585			kW	42
	7.3	Rated speed			1/min	2570
	7.4	No. of cylinders/displacement			cm <sup>3</sup>	4/2237
	7.5a	Fuel consumption according to EN16796			l/h	—
	7.5b	Fuel consumption according to EN16796			kg/h	3,1
Others	8.2	Operating pressure for attachments			bar	147
	8.3	Oil volume for attachments			l/min	65 - 74
	8.4	Sound level at the driver's ear according to EN 12 053			dB(A)	77

<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 capacities

Model			V								FV					FSV							
8FG/DF30	Lift height	$h_{23}$	3000	3300	3500	3700	4000	4500	5000	5500	6000	3000	3300	3500	3700	4000	4300	4700	5000	5500	6000	6500	7000
	Lift	$h_3$	2955	3255	3455	3655	3955	4455	4955	5455	5955	2955	3255	3455	3655	3955	4255	4655	4955	5455	5955	6455	6955
	Height, mast lowered	$h_1$	2010	2160	2260	2420	2610	2860	3110	3360	3650	2010	2160	2260	2420	2610	2160	2260	2420	2610	2860	3110	3360
	Height, mast extended <sup>1)</sup>	$h_4$	3765	4065	4265	4465	4765	5265	5765	6265	6765	3650	3950	4150	4350	4650	4950	5350	5650	6150	6650	7150	7650
	Height, mast extended <sup>2)</sup>	$h_4$	4260	4560	4760	4960	5260	5760	6260	6760	7260	4250	4550	4750	4950	5250	5550	5950	6250	6750	7250	7750	8250
	Free lift, without load backrest	$h_2$	135	135	135	135	135	135	135	135	135	1400	1550	1650	1810	2000	1550	1650	1810	2000	2250	2500	2750
	Free lift, with load backrest	$h_2$	135	135	135	135	135	135	135	135	135	800	950	1050	1210	1400	950	1050	1210	1400	1650	1900	2150

1) Without load backrest

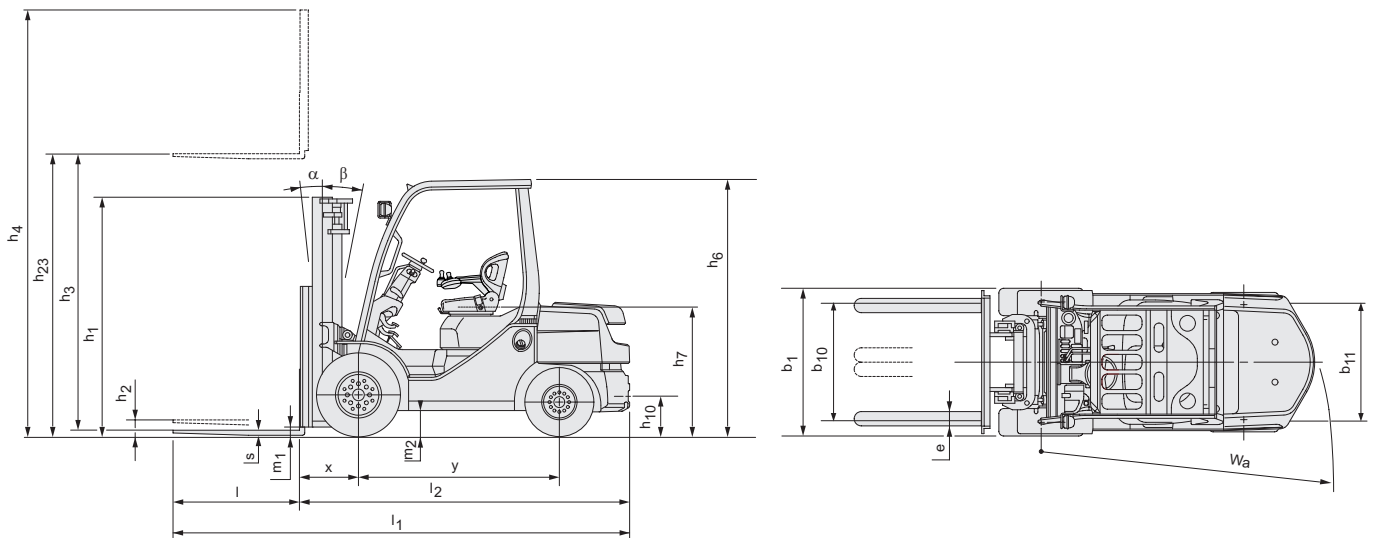
2) With load backrest; Height of standard load backrest is 1220 mm.

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

Single tyre			V								FV					FSV							
8FG/DF30	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	3000	3000	3000	3000	3000	3000	2600	—	—	3000	3000	3000	3000	3000	3000	3000	2600	1900	1500	1000	—
	Load capacity, SE tyres at 500 mm LC	kg	3000	3000	3000	3000	3000	3000	2750	—	—	3000	3000	3000	3000	3000	3000	3000	2750	2050	1650	1100	—

Dual tyre			V								FV					FSV							
8FG/DF30	Tilt range, forward	deg	6	6	6	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	6	11(6)	11(6)	11(6)	11(6)	11(6)	6	6	6	6	6	6	6	6
	Load capacity, P tyres at 500 mm LC	kg	3000	3000	3000	3000	3000	3000	3000	2550	2050	3000	3000	3000	3000	3000	3000	3000	2950	2650	2050	1600	1200

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

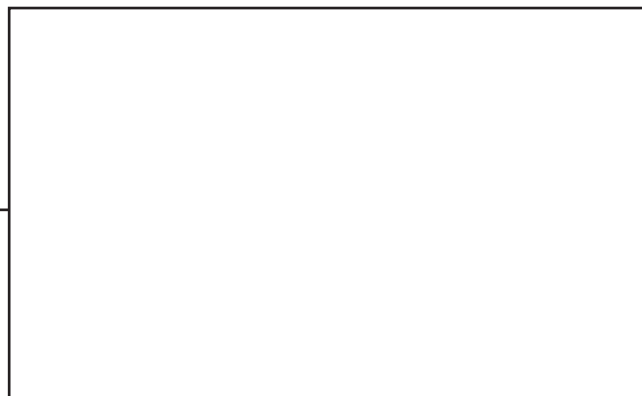


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## Standard equipments:

- 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

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