

# Engine Powered Forklift 3.5 - 7.0 ton

7FGCU



# Engine Powered Forklift 3.5 - 4.5 ton

# 7FGCU

Truck specifications					7FGCU35	7FGCU45
Identification	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			7FGCU35	7FGCU45
	1.3	Drive			LPG	LPG
	1.4	Operator type			rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	3500	4500
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	465	485
	1.9	Wheelbase	y	mm	1560	1560
	Weight	2.1	Service weight			5770
2.2		Axle load, with load, front/rear			7940/1330	9790/1580
2.3		Axle load, without load, front/rear			2050/3720	2160/4710
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			R	R
	3.2	Tyre size, front			22x9x16	22x12x16
	3.3	Tyre size, rear			18x6x12-1/8	18x7x12-1/8
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2	2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	980	1045
	3.7	Track width, rear	b <sub>11</sub>	mm	1050	1080
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward			a/b deg
4.2		Height, mast lowered			h <sub>1</sub> mm	2060
4.3		Free lift			h <sub>2</sub> mm	110
4.4		Lift			h <sub>3</sub> mm	3000
		Lift height			h <sub>23</sub> mm	3050
4.5		Height, mast extended			h <sub>4</sub> mm	4270
4.7		Height of overhead guard (cab)			h <sub>6</sub> mm	2105
4.8		Seat height			h <sub>7</sub> mm	1025
4.12		Coupling height			h <sub>10</sub> mm	425
4.19		Overall length			l <sub>1</sub> mm	3710
4.20		Length to face of forks			l <sub>2</sub> mm	2640
4.21		Overall width			b <sub>1</sub> mm	1210
4.22		Fork dimensions			s/e/l mm	50/150/1070
4.23		Fork carriage DIN 15 173, class/type A, B				IIIA
4.24		Fork-carriage width			b <sub>3</sub> mm	1090
4.31		Ground clearance, with load, below mast			m <sub>1</sub> mm	75
4.32		Ground clearance, centre of wheelbase			m <sub>2</sub> mm	125
4.33		Aisle width for pallets 1000 x 1200 crossways			A <sub>st</sub> mm	3945
4.34		Aisle width for pallets 800 x 1200 lengthways			A <sub>st</sub> mm	4145
4.35		Turning radius			W <sub>a</sub> mm	2280
4.36	Internal turning radius			b <sub>13</sub> mm	640	
Performance data	5.1	Travel speed, with/without load			km/h	19/19
	5.2	Lift speed, with/without load			m/s	0,51/0,55
	5.3	Lowering speed, with/without load			m/s	0,50/0,55
	5.6	Max. drawbar pull, with/without load			N	44000/9400
	5.7	Gradeability, with load <sup>1)2)</sup>			%	37
	5.8	Max. gradeability, with/without load <sup>2)</sup>			%	47/18
	5.10	Service brake				hydraulic
Combustion engine	7.1	Engine manufacturer/type				GM 6-262
	7.2	Engine power acc. to ISO 1585			kW	62
	7.3	Rated speed			1/min	2350
	7.4	No. of cylinders/displacement			cm <sup>3</sup>	6/4300
Others	8.2	Operating pressure for attachments			bar	181
	8.3	Oil volume for attachments			l/min	73,3
	8.4	Sound level at the driver's ear according to EN 12 053			dB(A)	86

<sup>1)</sup> At 1,5 km/h.

<sup>2)</sup> Computed values.

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# Master dimensions and rated capacities

# 7FGCU

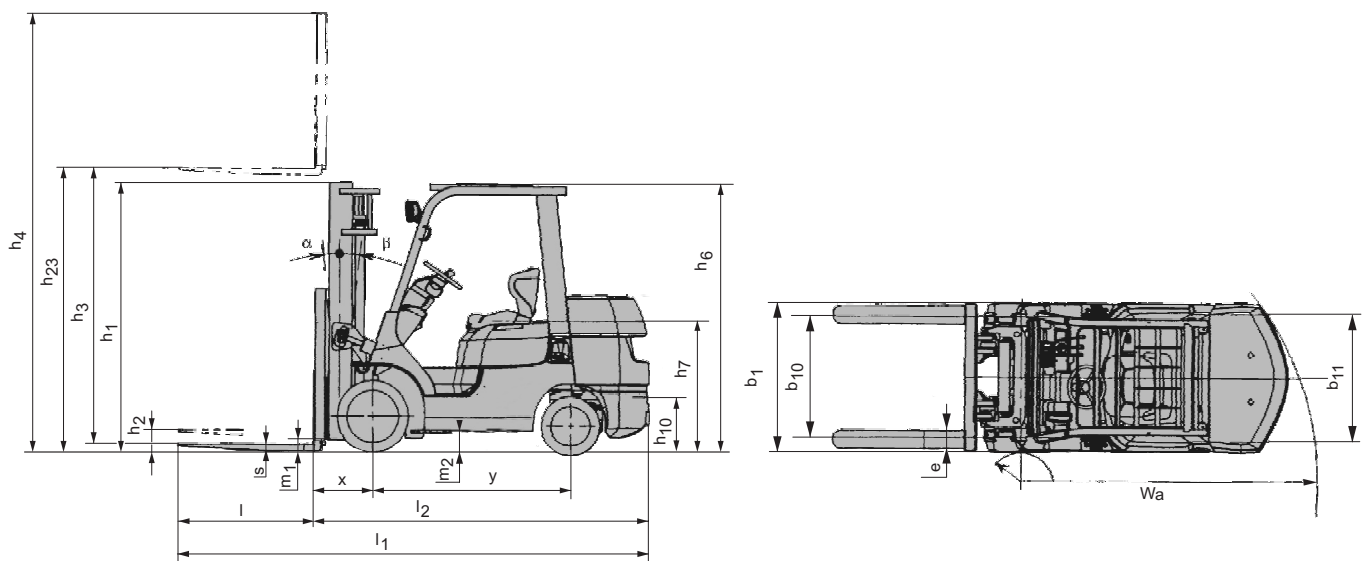
Model		V					FV		FSV						
7FGCU35/45	Lift height	$h_{23}$	3050	3350	3550	3750	4550	3050	3350	4050	4350	4750	5050	5550	6050
	Lift	$h_3$	3000	3300	3500	3700	4500	3000	3300	4000	4300	4700	5000	5500	6000
	Height, mast lowered	$h_1$	2060	2240	2340	2440	2940	2060	2240	1940	2060	2240	2340	2490	2690
	Height, mast extended <sup>1)</sup>	$h_4$	3800	4100	4300	4500	5300	3830	4130	4850	5150	5550	5850	6350	6850
	Height, mast extended <sup>2)</sup>	$h_4$	4270	4570	4770	4970	5770	4270	4570	5270	5570	5970	6270	6770	7270
	Free lift, without load backrest	$h_2$	110	110	110	110	110	1280	1460	1140	1260	1440	1540	1690	1890
	Free lift, with load backrest	$h_2$	110	110	110	110	110	840	1020	720	840	1020	1120	1270	1470

1) Without load backrest.

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

Standard tread		V					FV		FSV						
7FGCU35	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	6	6	6	6	6	6	6	5	5	5	5	5	5
	Load capacity at 600 mm LC	kg	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3400	—
7FGCU45	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	
	Tilt range, backward	deg	6	6	6	6	6	6	6	5	5	5	5	5	
	Load capacity at 600 mm LC	kg	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4370	4000

Wide tread		V					FV		FSV						
7FGCU35	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	6	6	6	6	6	6	6	5	5	5	5	5	5
	Load capacity at 600 mm LC	kg	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3400	2950



# Engine Powered Forklift 5.5 - 6.0 ton

# 7FGCU

Truck specifications					7FGCU55	7FGCU60
Identification	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			7FGCU55	7FGCU60
	1.3	Drive			LPG	LPG
	1.4	Operator type			rider seated	rider seated
	1.5	Load capacity/rated load	Q	kg	5500	6000
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	530	530
	1.9	Wheelbase	y	mm	1830	1830
	Weight	2.1	Service weight			8090
2.2		Axle load, with load, front/rear			11980/1610	12870/1780
2.3		Axle load, without load, front/rear			3070/5020	3160/5490
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			R	R
	3.2	Tyre size, front			28x10x22	28x12x22
	3.3	Tyre size, rear			22x7x16	22x8x16
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2	2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1095	1145
	3.7	Track width, rear	b <sub>11</sub>	mm	1065	1090
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/6
4.2		Height, mast lowered	h <sub>1</sub>	mm	2150	2400
4.3		Free lift	h <sub>2</sub>	mm	125	125
4.4		Lift	h <sub>3</sub>	mm	3000	3000
		Lift height	h <sub>23</sub>	mm	3065	3065
4.5		Height, mast extended	h <sub>4</sub>	mm	4435	4435
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2170	2170
4.8		Seat height	h <sub>7</sub>	mm	1105	1105
4.12		Coupling height	h <sub>10</sub>	mm	325	325
4.19		Overall length	l <sub>1</sub>	mm	4165	4220
4.20		Length to face of forks	l <sub>2</sub>	mm	2945	3000
4.21		Overall width	b <sub>1</sub>	mm	1350	1450
4.22		Fork dimensions	s/e/l	mm	65/150/1220	65/150/1220
4.23		Fork carriage DIN 15 173, class/type A, B			IV	IV
4.24		Fork-carriage width	b <sub>3</sub>	mm	1170	1170
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	70	70
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	150	150
4.33		Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	4280	4315
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	4480	4515	
4.35	Turning radius	W <sub>a</sub>	mm	2550	2585	
4.36	Internal turning radius	b <sub>13</sub>	mm	680	730	
Performance data	5.1	Travel speed, with/without load		km/h	21/21	21/21
	5.2	Lift speed, with/without load		m/s	0,42/0,44	0,41/0,44
	5.3	Lowering speed, with/without load		m/s	0,50/0,55	0,50/0,47
	5.6	Max. drawbar pull, with/without load		N	44000/14100	44000/14500
	5.7	Gradeability, with load <sup>1)2)</sup>		%	25	23
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	34/18	31/18
	5.10	Service brake			hydraulic	hydraulic
Combustion engine	7.1	Engine manufacturer/type			GM 6-262	GM 6-262
	7.2	Engine power acc. to ISO 1585		kW	65	65
	7.3	Rated speed		1/min	2600	2600
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	6/4300	6/4300
Others	8.2	Operating pressure for attachments		bar	181	206
	8.3	Oil volume for attachments		l/min	95	95
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	86	86

<sup>1)</sup> At 1,5 km/h.

<sup>2)</sup> Computed values.

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# Master dimensions and rated capacities

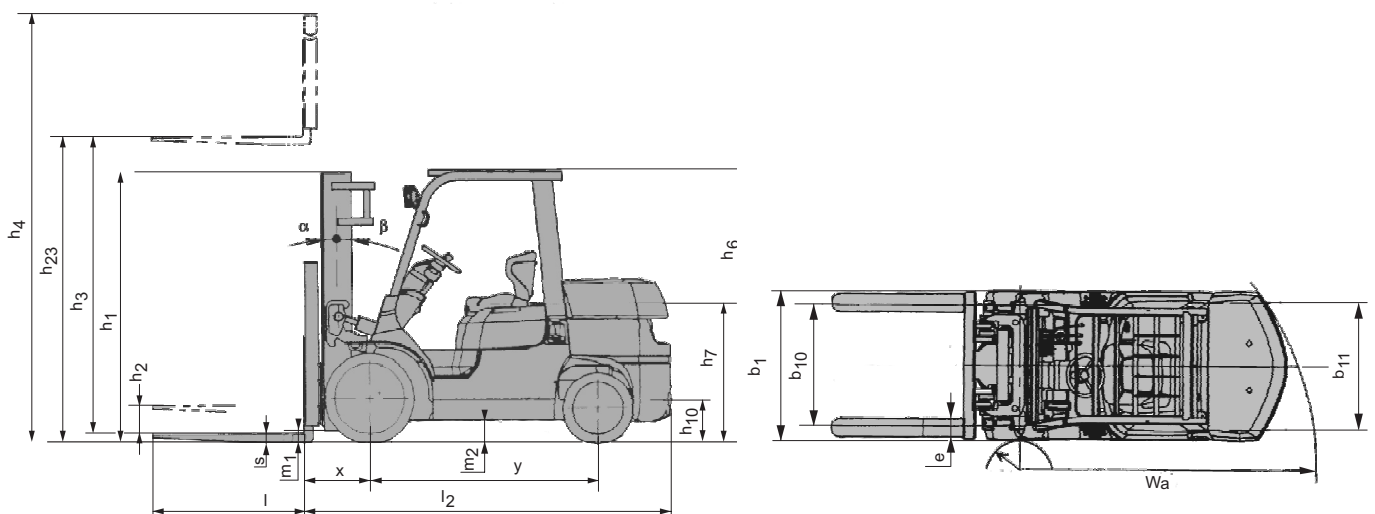
# 7FGCU

Model		V					FSV						
7FGCU55	Lift height	$h_{23}$	3065	3365	3565	3765	4565	4065	4365	4765	5065	5565	6065
	Lift	$h_3$	3000	3300	3500	3700	4500	4000	4300	4700	5000	5500	6000
	Height, mast lowered	$h_1$	2150	2300	2400	2550	3000	2070	2150	2300	2400	2550	2750
	Height, mast extended <sup>1)</sup>	$h_4$	3825	4125	4325	4525	5325	4770	5070	5470	5770	6270	6770
	Height, mast extended <sup>2)</sup>	$h_4$	4435	4735	4935	5135	5935	5435	5735	6135	6435	6935	7435
	Free lift, without load backrest	$h_2$	125	125	125	125	125	1365	1445	1595	1695	1845	2045
	Free lift, with load backrest	$h_2$	125	125	125	125	125	700	780	930	1030	1180	1380
7FGCU60	Lift height	$h_{23}$	3065	3365	3565	3765	4565	4065	4365	4765	5065	5565	6065
	Lift	$h_3$	3000	3300	3500	3700	4500	4000	4300	4700	5000	5500	6000
	Height, mast lowered	$h_1$	2400	2550	2650	2750	3250	2300	2400	2490	2750	3000	3050
	Height, mast extended <sup>1)</sup>	$h_4$	3920	4220	4420	4620	5420	4940	5240	5640	5940	6440	6940
	Height, mast extended <sup>2)</sup>	$h_4$	4435	4735	4935	5135	5935	5435	5735	6135	6435	6935	7435
	Free lift, without load backrest	$h_2$	125	125	125	125	125	1425	1525	1615	1875	2125	2175
	Free lift, with load backrest	$h_2$	125	125	125	125	125	930	1030	1120	1380	1630	1680

1) Without load backrest.

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

Single tyre		V					FSV					
7FGCU55	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	6	6	6	6	6	6	6	6	6	6
	Load capacity at 600 mm LC	kg	5500	5500	5500	5500	5500	5500	5500	5500	5350	5200
7FGCU60	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	6	6	6	6	6	6	6	6	6	6
	Load capacity at 600 mm LC	kg	6000	6000	6000	6000	6000	6000	6000	6000	5940	5780



# Engine Powered Forklift 7.0 ton

# 7FGCU

Truck specifications					7FGCU70
Identification	1.1	Manufacturer			TOYOTA
	1.2	Model			7FGCU70
	1.3	Drive			LPG
	1.4	Operator type			rider 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	530
	1.9	Wheelbase	y	mm	1830
	Weight	2.1	Service weight		
2.2		Axle load, with load, front/rear			14440/1850
2.3		Axle load, without load, front/rear			3120/6170
Tyres	3.1	Tyre - pneumatic (P), pneumatic shaped cushion (SE), solid rubber (R)			R
	3.2	Tyre size, front			28x12x22
	3.3	Tyre size, rear			22x8x16
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1145
	3.7	Track width, rear	b <sub>11</sub>	mm	1090
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg
4.2		Height, mast lowered	h <sub>1</sub>	mm	2400
4.3		Free lift	h <sub>2</sub>	mm	125
4.4		Lift	h <sub>3</sub>	mm	3000
		Lift height	h <sub>23</sub>	mm	3065
4.5		Height, mast extended	h <sub>4</sub>	mm	4435
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2170
4.8		Seat height	h <sub>7</sub>	mm	1105
4.12		Coupling height	h <sub>10</sub>	mm	325
4.19		Overall length	l <sub>1</sub>	mm	4220
4.20		Length to face of forks	l <sub>2</sub>	mm	3000
4.21		Overall width	b <sub>1</sub>	mm	1450
4.22		Fork dimensions	s/e/l	mm	65/150/1220
4.23		Fork carriage DIN 15 173, class/type A, B			IV
4.24		Fork-carriage width	b <sub>3</sub>	mm	1170
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	70
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	150
4.33		Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	4315
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	4515	
4.35	Turning radius	W <sub>a</sub>	mm	2585	
4.36	Internal turning radius	b <sub>13</sub>	mm	730	
Performance data	5.1	Travel speed, with/without load		km/h	21/21
	5.2	Lift speed, with/without load		m/s	0,41/0,44
	5.3	Lowering speed, with/without load		m/s	0,50/0,47
	5.6	Max. drawbar pull, with/without load		N	44000/13900
	5.7	Gradeability, with load <sup>1)2)</sup>		%	20
	5.8	Max. gradeability, with/without load <sup>2)</sup>		%	28/16
	5.10	Service brake			hydraulic
Combustion engine	7.1	Engine manufacturer/type			GM 6-262
	7.2	Engine power acc. to ISO 1585		kW	65
	7.3	Rated speed		1/min	2600
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	6/4300
Others	8.2	Operating pressure for attachments		bar	206
	8.3	Oil volume for attachments		l/min	130
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	86

<sup>1)</sup> At 1,5 km/h.

<sup>2)</sup> Computed values.

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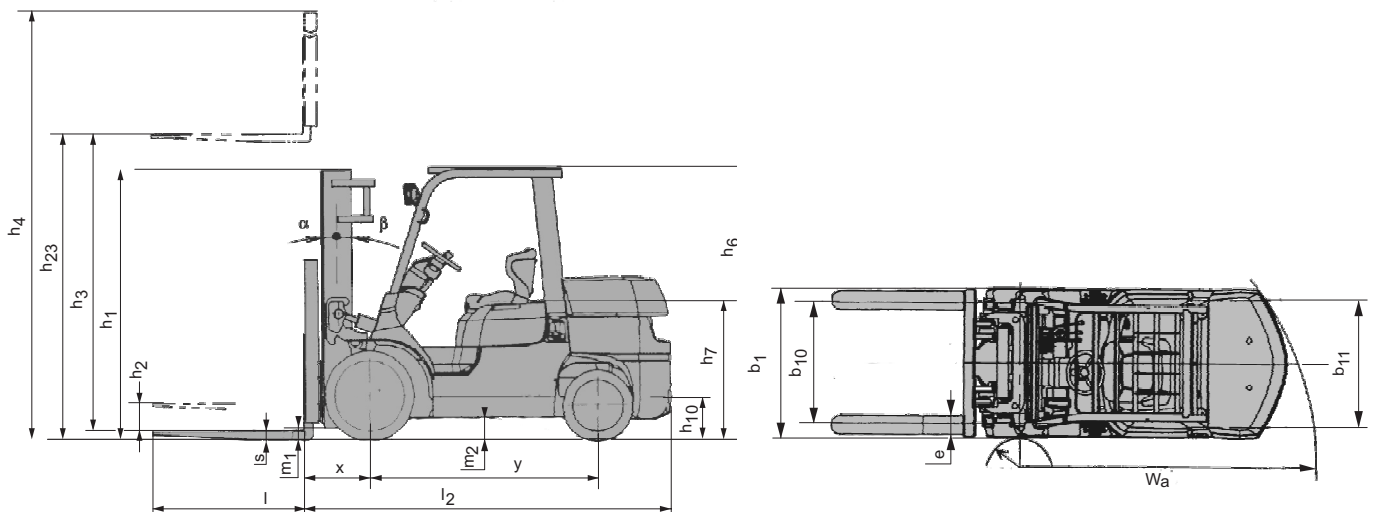
# 7FGCU

Model		V					FSV						
7FGCU70	Lift height	$h_{23}$	3065	3365	3565	3765	4565	4065	4365	4765	5065	5565	6065
	Lift	$h_3$	3000	3300	3500	3700	4500	4000	4300	4700	5000	5500	6000
	Height, mast lowered	$h_1$	2400	2550	2650	2750	3250	2300	2400	2490	2750	3000	3050
	Height, mast extended <sup>1)</sup>	$h_4$	3920	4220	4420	4620	5420	4940	5240	5640	5940	6440	6940
	Height, mast extended <sup>2)</sup>	$h_4$	4435	4735	4935	5135	5935	5435	5735	6135	6435	6935	7435
	Free lift, without load backrest	$h_2$	125	125	125	125	125	1425	1525	1615	1875	2125	2175
	Free lift, with load backrest	$h_2$	125	125	125	125	125	930	1030	1120	1380	1630	1680

1) Without load backrest.

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

Single tyre		V					FSV					
7FGCU70	Tilt range, forward	deg	5	5	5	5	5	5	5	5	5	5
	Tilt range, backward	deg	6	6	6	6	6	6	6	6	6	6
	Load capacity at 600 mm LC	kg	7000	7000	7000	7000	7000	6960	6960	6800	6660	6480



## Standard equipments:

- Toyota SAS (System of Active Stability\*)
- Toyota OPS (Operator Presence Sensing)
- Toyota ORS seat (Operator Restraint System)
- Wide visible mast [MFH: 3000 mm]
- Load backrest [Height: 1220 mm (7FGCU35/45), 1370 mm (7FGCU55/60/70)]
- Long forks [Length: 1070 mm (7FGCU35/45), 1220 mm (7FGCU55/60/70)]
- Long forkbar [Length: 1220 mm (7FGCU35/45), 1170 mm (7FGCU55/60/70)]
- 3-way valve
- Cushion tyres
- Full hydraulic power steering
- 8" Cyclone air cleaner with snorkel air intake
- Anti-restart ignition key switch
- Headlights
- Integrated monitoring center
- Memory tilt steering column

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



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