

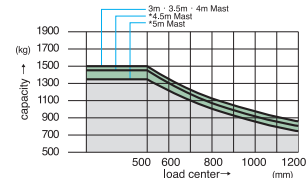
Specifications

Characteristics	1.2	Model	Manufacturer's Designation Transmission		FG15-21 TORQFLOW	FD15-21 TORQFLOW	FG15H-21 TORQFLOW	FG18-21 TORQFLOW	FD18-21 TORQFLOW	FG18H-21 TORQFLOW	FG20-17 TORQFLOW	FD20-17 TORQFLOW	FG25-17 TORQFLOW	FD25-17 TORQFLOW[Clutch]	FG25H-17 TORQFLOW	FD25H-17 TORQFLOW	FG30-17 TORQFLOW	FD30-17 TORQFLOW[Clutch]	FD30H-17 TORQFLOW	FG35AT-17 TORQFLOW	FD35AT-17 TORQFLOW	
	1.3	Power Type	Electric, Diesel, Gasoline, LPG		Gasoline	Diesel	Gasoline	Gasoline	Diesel	Gasoline	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Diesel	Gasoline	Diesel	
	1.4	Operation Type			Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	
	1.5	Rated Capacity	Q	Rated Capacity	kg	1500	1500	1500	1750	1750	1750	2000	2000	2500	2500	2500	2500	3000	3000	3000	3500	3500
	1.6	Load Center	c	Rated Load Center	mm	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	1.6.1	Alternative Capacity	Q2	Capacity@600mm Load Center	kg	1350	1350	1350	1570	1570	1570	1810	1810	2260	2260	2260	2260	2720	2720	2720	3180	3180
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	405	405	405	405	405	405	460	460	465	465	465	465	490	490	490	505	505
	1.9	Wheelbase	y		mm	1400	1400	1400	1400	1400	1400	1650	1650	1650	1650	1650	1650	1700	1700	1700	1700	1700
	Weight	2.1	Service Weight			kg	2450	2550	2450	2645	2745	2645	3220	3305	3590	3680[3720]	3590	3680	4210	4310[4345]	4310	4910
2.2		Axle Loading	Loaded	Front	kg	3500	3530	3500	3870	3900	3870	4670	4710	5420	5475[5495]	5420	5475	6390	6435[6460]	6435	7440	7430
2.2.1				Rear	kg	450	520	450	525	595	525	550	595	670	705[725]	670	705	820	875[885]	875	970	1020
2.3			Unloaded	Front	kg	1005	1035	1005	960	990	960	1480	1520	1430	1470[1500]	1430	1470	1600	1640[1670]	1640	1820	1810
2.3.1				Rear	kg	1445	1515	1445	1685	1755	1685	1740	1785	2160	2210[2220]	2160	2210	2610	2670[2675]	2670	3090	3140
Tyres	3.1	Tyre Type			Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	
	3.2	Tyre Size	Front		6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	28x9-15-12PR(I)	28x9-15-12PR(I)	28x9-15-12PR(I)	250-15-16PR(I)	250-15-16PR(I)		
	3.3		Rear		5.00- 8- 8PR(I)	5.00-8-8PR(I)	5.00- 8- 8PR(I)	5.00- 8- 8PR(I)	5.00-8-8PR(I)	5.00- 8- 8PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-12PR(I)	6.50-10-12PR(I)		
	3.5	Number of Wheels	Front/Rear (x=driven)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	
	3.6	Tread, Front	b4		mm	890	890	890	890	890	890	965	965	965	965	965	1005	1005	1005	1060	1060	
	3.7	Tread, Rear	b3		mm	895	895	895	895	895	895	960	960	960	960	960	965	965	965	965	965	
	Dimensions	4.1	Tilting Angle	α / β	Forward/Backward	degree	6/10	6/10	6/10	6/10	6/10	6/10	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
4.2		Mast Height, Lowered	h1	2-stage Mast	mm	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	2070	2070	2070	2100	2100	
4.3		Std. Free Lift	h2	2-stage Std. Mast, from Ground	mm	140	140	140	140	140	140	150	150	155	155	155	160	160	160	140	145	
4.4		Std. Lift Height	h3	2-stage Std. Mast, from Ground	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
4.5		Mast Height, Extended	h4	2-stage Std. Mast	mm	3955	3955	3955	3955	3955	3955	4050	4050	4050	4050	4050	4275	4275	4275	4280	4280	
4.7		Height, Overhead Guard	h6		mm	2070	2070	2070	2070	2070	2070	2110	2110	2110	2110	2110	2130	2130	2130	2145	2145	
4.19		Length, with Std. Forks	L1		mm	3160	3160	3160	3200	3200	3200	3450	3450	3655	3655	3655	3775	3775	3775	3865	3865	
4.20		Length, to Fork Face	L2		mm	2240	2240	2240	2280	2280	2280	2530	2525	2585	2580	2585	2705	2705	2705	2790	2795	
4.21		Width, at Tyre	b1	Single	mm	1070	1070	1070	1070	1070	1070	1150	1150	1150	1150	1150	1235	1235	1235	1290	1290	
4.22		Forks	s/e/l	Thickness x Width x Length	mm	35x100x920	35x100x920	35x100x920	35x100x920	35x100x920	35x100x920	36x122x920	36x122x920	40x122x1070	40x122x1070	40x122x1070	40x122x1070	45x122x1070	45x122x1070	45x122x1070	50x150x1070	50x150x1070
4.23		Fork Carriage Class	ISO 2328, Type A/B/no		Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 3,A	Class 3,A	Class 3,A	Class 3,A	Class 3,A	
4.24		Width, Fork Carriage	b2		mm	970	970	970	970	970	970	1020	1020	1020	1020	1020	1060	1060	1060	1060	1060	
4.31		Ground Clearance	m1	Under Mast	mm	120	120	120	120	120	120	115	115	115	115	115	135	135	135	135	135	
4.32			m2	at Center of Wheelbase	mm	130	130	130	130	130	130	160	160	160	160	160	185	185	185	185	185	
4.33		Right Angle	Ast	with L1000 x W1200 pallet	mm	3360	3360	3360	3395	3395	3395	3650	3650	3775	3775	3775	3930	3930	3930	4055	4055	
4.34		Stacking Aisle	Ast	with L1200 x W800 pallet	mm	3560	3560	3560	3595	3595	3595	3850	3850	3905	3905	3905	4060	4060	4060	4185	4185	
4.35		Turning Radius	Wa		mm	1955	1955	1955	1990	1990	1990	2190	2190	2240	2240	2240	2370	2370	2370	2480	2480	
Performance	5.1	Travel Speed (FWD)	Loaded, 1st/2nd		km/h	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	17.0[7.5/17.0]	18.5	18.0	18.0	
			Unloaded, 1st/2nd		km/h	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.5	19.0	19.5	17.5[8.0/17.5]	19.0	18.5	
	5.2	Lifting Speed	Loaded		mm/s	570	620	590	620	570	590	545	590	545	590	620	660	515	490	550	450	
			Unloaded		mm/s	640	670	640	640	670	640	600	630	600	630	670	710	550	530	595	490	
	5.3	Lowering Speed	Loaded		mm/s	500	500	500	500	500	500	450	450	450	450	450	420	420	420	400	420	
			Unloaded		mm/s	550	550	550	550	550	550	500	500	500	500	500	500	500	500	400	400	
	5.6	Max. Drawbar Pull	Loaded		KN	10	13	15	10	13	15	14	14	14	14[13]	19	18	18	14[14]	17	17	
	5.8	Max. Gradeability	Loaded		%	26	33	37	25	29	33	28	28	23	23[22]	32	31	26	20[20]	25	20	21
5.10	Service Brake	Operation/Control			Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	
5.11	Parking Brake	Operation/Control			Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	
5.12	Steering	Type			FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	
I.C Engine	6.4	Battery	Voltage/ Capacity at 5-hour rating		V/ah	12/33	12/64	12/33	12/33	12/64	12/33	12/33	12/33	12/33	12/33	12/64	12/33	12/64	12/33	12/64	12/64	
	7.1	Maker Model			GCT K15	Komatsu 4D92E	GCT K21	GCT K15	Komatsu 4D92E	GCT K21	GCT K21	Komatsu 4D94LE	GCT K21	Komatsu 4D94LE	GCT K25	Komatsu 4D98E	GCT K25	Komatsu 4D94LE	Komatsu 4D98E	GCT K25	Komatsu 4D98E	
	7.2	Rated Output, SAE net			KW	27.2@2500	34.6@2450	34.6@2450	27.2@2500	34.6@2450	34.6@2450	34.2@2200	34.6@2450	34.2@2200	42.6@2400	44.1@2450	42.6@2400	34.2@2200	44.1@2450	42.6@2400	44.1@2450	
	7.3	Rated RPM			min-1	2500	2450	2450	2500	2450	2450	2450	2200	2450	2200	2400	2450	2200	2400	2400	2450	
7.3.1	Max. Torque, SAE net			Nm@min-1	113@1600	142@1800	152@1600	113@1600	142@1800	152@1600	152@1600	162@1500	152@1600	162@1500	186@1600	183@1500	186@1600	162@1500	183@1500	186@1600	183@1500	
7.4	No. of Cylinders/Displacement			cm³	4-1486	4-2659	4-2065	4-1486	4-2659	4-2065	4-2065	4-3052	4-2065	4-3053	4-2488	4-3318	4-2488	4-3053	4-3318	4-2488	4-3318	
Others	7.6	Fuel Tank Capacity			Ltr	40	40	40	40	40	40	58	58	58	58	58	58	58	58	58	58	
	8.2	Relief Pressure for Attachment			bar	172	172	172	172	172	172	181	181	181	181							

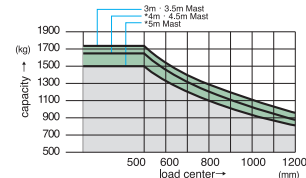
1.5-1.75 ton Standard Model

Load capacity curve 2-stage free view mast

Model ■ FG15,FD15,FG15H



Model ■ FG18,FD18,FG18H

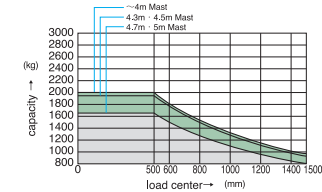


Note 1: Load capacity at other than the 500mm load center reference only.
Note 2: Values when double front tyres are installed.

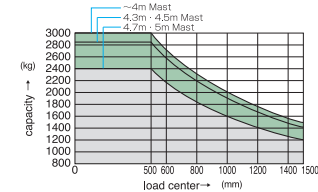
2.0-3.5 ton Standard Model

Load capacity curve 2-stage free view mast

Model ■ FG20,FD20



Model ■ FG30,FD30,FD30H



Major equipment

● : Standard ○ : Option ◎ : Standard for 2.0-3.5 ton Trucks — : N/A

Vehicle type		Standard model			High performance model (H type)	
Engine		Gasoline	Diesel		Gasoline	Diesel
Transmission		TORQFLOW	Clutch	TORQFLOW	TORQFLOW	TORQFLOW
Driving/operation	Dual floating structure	●	●	●	●	●
	New operator's seat with suspension	●	●	●	●	●
	Small-sized steering wheel	●	●	●	●	●
	Tiltable steering column	●	●	●	●	●
	Electric forward/reverse lever (TORQFLOW model)	●	—	●	●	●
	Double-cone synchronized clutch (clutch model)	—	●	—	—	—
	Combination switch (turn signal light and light switch)	●	●	●	●	●
	Indicator auto-return mechanism	●	●	●	●	●
	Full-open step	●	●	●	●	●
	Under-floor tilt cylinder	●	●	●	●	●
	Paper binder	●	●	●	●	●
	Glove box	●	●	●	●	●
Meters	Meter panel	●	●	●	●	●
	Hourmeter	●	●	●	●	●
	Engine water temperature gauge	●	●	●	●	●
	Fuel gauge	●	●	●	●	●
	Engine oil pressure warning lamp	●	●	●	●	●
Indicators	Charge warning lamp	●	●	●	●	●
	Neutral indicator	●	●	●	●	●
	Sedimenter warning lamp	—	●	●	—	●
	Glow indicator	—	●	●	—	●
	Engine oil pressure warning lamp	●	●	●	●	●
Electric components	Full-transistor-type IC distributor	●	—	—	●	—
	Alternator with built-in IC regulator	●	●	●	●	●
	Quick auto glow system	—	●	●	—	●
	Neutral Start mechanism	●	●	●	●	●
	Auto fuse	●	●	●	●	●
	Low maintenance battery	●	●	●	●	●
	Engine key stop mechanism	—	●	●	—	●
	Halogen headlight	●	●	●	●	●
	Rear combination light	●	●	●	●	●
	Back-up buzzer	●	●	●	●	●
	Operator Presence Sensing System	○	○	○	○	○
	Auto choke	●	—	—	●	—
Mechanism	Super Lift Hydraulic System	◎	◎	◎	◎	◎
	Self-adjustment clutch	—	●	—	—	—
	Sedimentary with priming pump	—	●	●	—	●
	Cyclone air cleaner	●	●	●	●	●
	Parking brake with release button	●	●	●	●	●
	Fully hydrostatic power steering ^{*1}	●	●	●	●	●
	Soft landing mast system	●	●	●	●	●
	Non-asbestos brake linings	●	●	●	●	●
	Non-asbestos clutch disk	—	●	—	—	—
	Quick charge hydraulic oil filter	○ ^{*2}	○ ^{*2}	○ ^{*2}	○ ^{*2}	○ ^{*2}
	Floor mat	●	●	●	●	●
	Assist grips	●	●	●	●	●
Exterior	Head guard with front/rear conduits	●	●	●	●	●
	Wide angle center mirror	●	●	●	●	●
	Full shield solid-state engine hood	●	●	●	●	●
	One-touch open floor panel	●	●	●	●	●
	One-touch removable radiator cover	●	●	●	●	●
	Engine hood stopper	●	●	●	●	●
	Engine hood lock	●	●	●	●	●
	Radiator reservoir tank	●	●	●	●	●
	Wide fork carriage	●	●	●	●	●
	Resin dashboard cover	●	●	●	●	●
	Jacking points	●	●	●	●	●
	Roll clamp	●	●	●	●	●

^{*1} Steering synchronizer function is available as an option. ^{*2} Quick charge hydraulic oil filter is available for 2.0t, 2.5t and 3.0t trucks

Optional Specification Truck

■ LPG Specification truck

Komatsu offers both single fuel (LPG) and dual fuel (LPG and Gasoline) systems for the LPG Specification truck.

The truck has superior fuel consumption, the service life of the engine oil, filters, and plugs are extended, and the engine delivers clean combustion exhaust gases. Cold starts are possible even in temperatures as low as -5°C.



● **The sunken counterweight specification truck with an expanded rear view area.**
(optional for the 1.5-1.75ton LPG trucks)

By lowering the position of the LPG cylinder, installation and removal is easier, and permits a wider rear view area for greater reversing safety.



● **Swing-down Bracket**
(optional for the 1.5-1.75ton LPG trucks)
The LPG cylinder is easily installed and removed in a lower position with minimal effort.

Options

● Steel Cabin*

The steel cabin provides superior comfort and protection from severe cold or very noisy environments. Heaters and air conditioners are also available.

● Digital Load Checker

Loads are measured and displayed in 10 kg units.



● Operator Presence Sensing System

● Quick Charge Oil filter

This simple design enables easier and timely maintenance.



Engine and Operation Equipment

- Radiator screen^{*1}
- Pre-cleaner^{*1}

Exterior parts

- Tilt cylinder boots^{*1}
- Power steering cylinder boots^{*1}
- Fuelcap with key

Electrical Equipment

- Yellow strobe light
- Red strobe light
- Rear working light
- Front working light

Meters and Gauges

- Speedometer (with alarm)
- Mast tilt angle gauge

^{*1}Except for 1.5-1.75 ton trucks

Attachments



■ Roll clamp



■ Side shifter



■ Bale clamp



■ Rotating fork



■ Fork clamp

● Although specifications are provided for attachments, some attachments cannot be installed on specific masts depending on their types.
● For details, please contact Komatsu Forklift's dealers.