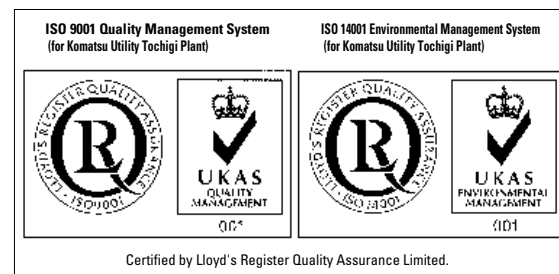




CX series

3.5 to 5.0 ton Gasoline and Diesel Engine Lift Trucks



For other options and attachments, please consult with your Komatsu dealer.
Features and specifications may vary in different countries and regions.
Please contact your Komatsu dealer to confirm machine details in your region.
Forklift trucks in this catalog may be shown with optional equipment.
Komatsu products and specifications are subject to change without notice.
The performance values indicated herein represent nominal values obtained under typical operating conditions.

Komatsu Utility Co., Ltd. FORKLIFT COMPANY

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TOTAL PRODUCTIVITY

Powerful

Efficient

Tough

The GX Series Lineup

Standard Models

These models are designed for broad-ranging, general-purpose applications. Their rated capacities are designed based on a 600mm load center.

Rated Capacity	Load Center	Gasoline		Diesel	
		Powershift	Manual	Powershift	Manual
3.5-ton	600 mm	FG35T-7	—	FD35T-7	FD35W-7
4.0-ton	600 mm	FG40T-7	—	FD40T-7	FD40W-7
4.5-ton	600 mm	FG45T-7	—	FD45T-7	FD45W-7
5.0-ton	600 mm	FG50AT-7	—	FD50AT-7	—

Load center: The distance between the center of gravity of the load and the vertical front face of the forks

Compact Models

These models are designed specifically for operating in confined spaces, such as inside shipping containers and within the holds of ships. Their rated capacities are designed based on a 500mm load center.

Rated Capacity	Load Center	Gasoline		Diesel	
		Powershift	Manual	Powershift	Manual
3.5-ton	500 mm	FG35ZT-7	—	FD35ZT-8	—
4.0-ton	500 mm	FG40ZT-7	—	FD40ZT-8	—

Load center: The distance between the center of gravity of the load and the vertical front face of the forks

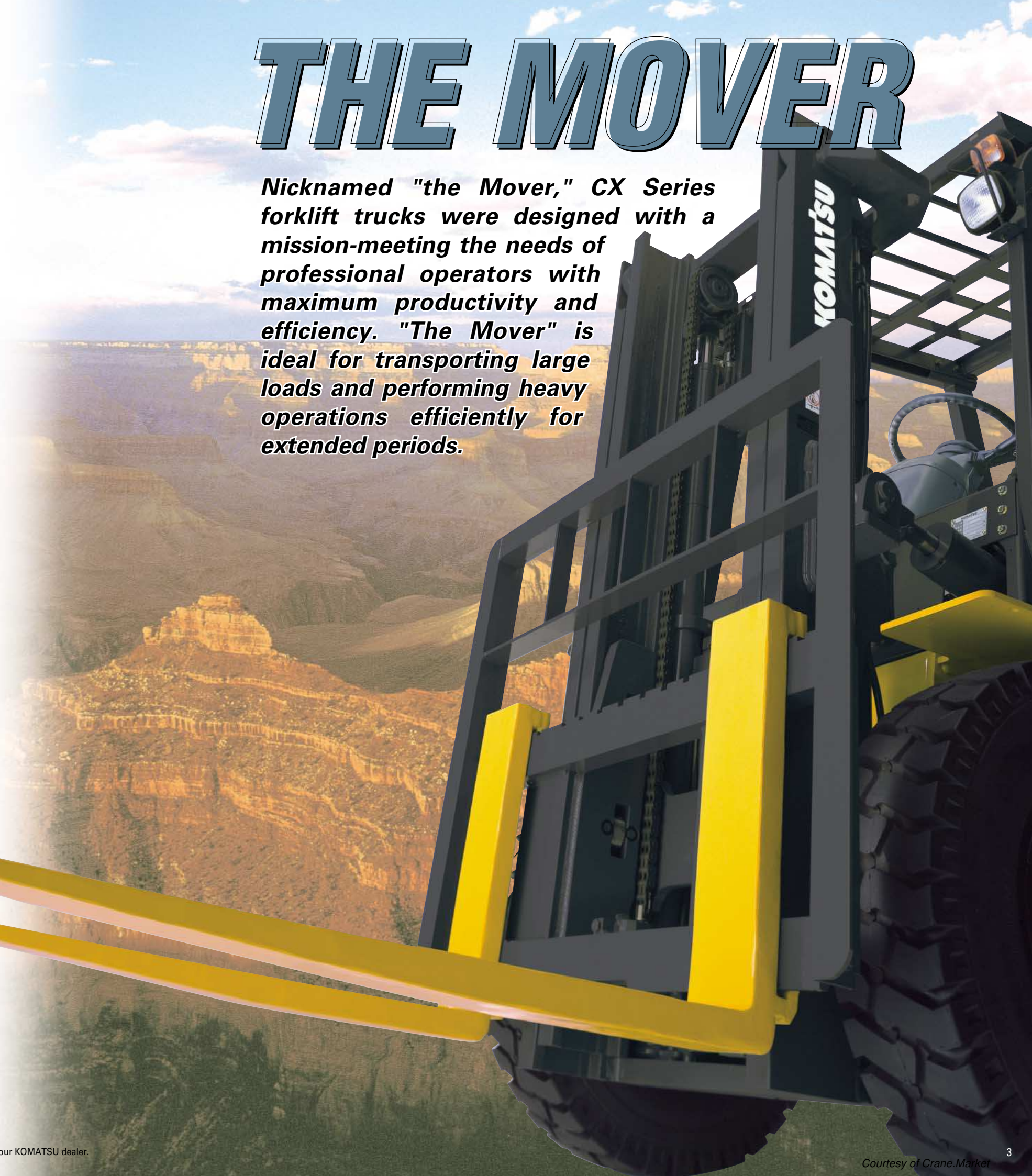
For a 5-ton machine capable of moving large loads, this model is designed to be compact. As a result, it can work inside shipping containers, within the holds of ships or in other confined places.

FG(D)50AT



THE MOVER

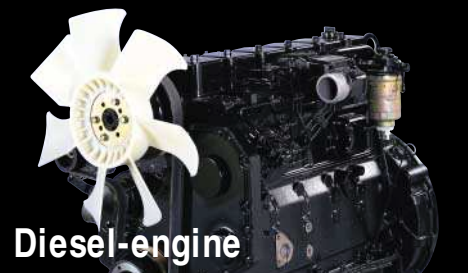
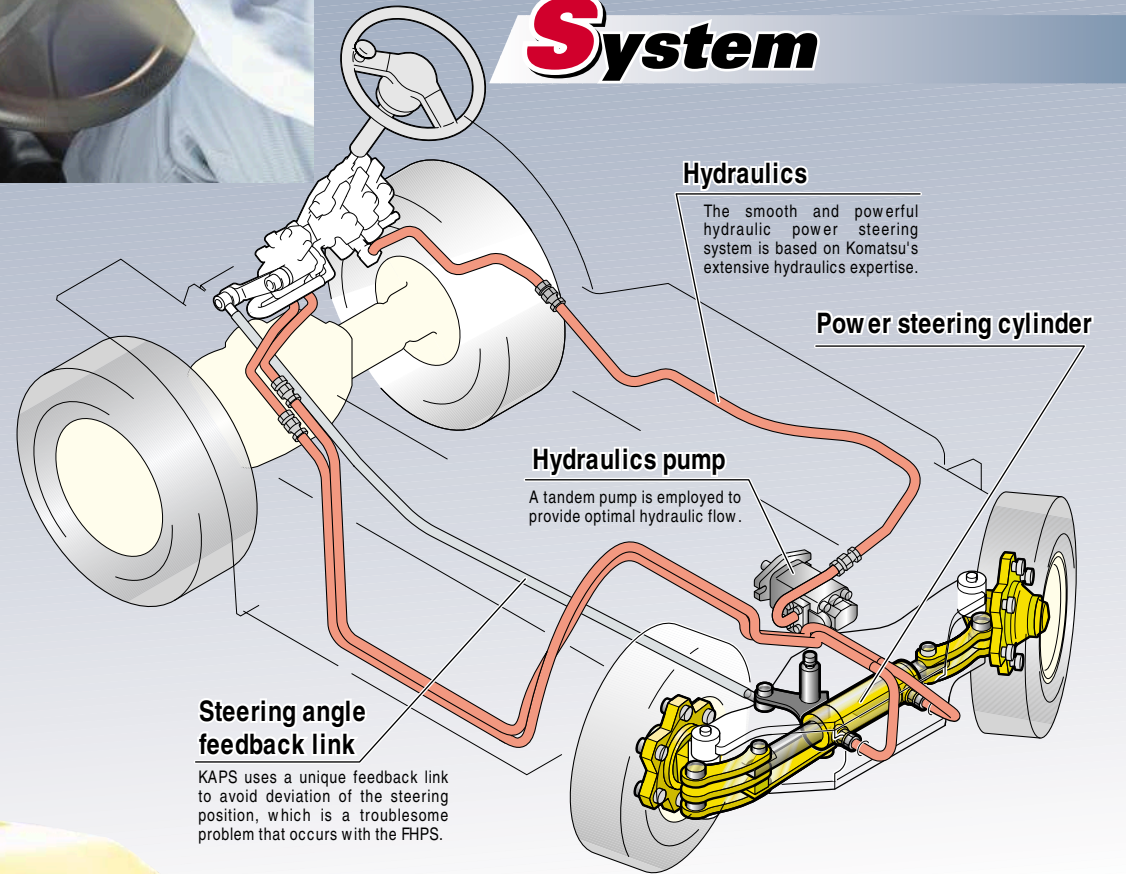
Nicknamed "the Mover," CX Series forklift trucks were designed with a mission-meeting the needs of professional operators with maximum productivity and efficiency. "The Mover" is ideal for transporting large loads and performing heavy operations efficiently for extended periods.



Maximum Productivity through Excellent Power, Response and Handling



Komatsu Advanced Power Steering System



Diesel-engine
KOMATSU 6D102E
Compact Models S6D102E
Rated output 70kW @2,150rpm
Displacement 5,880cm³



Gasoline-engine
NISSAN TB42
Rated output 62.5kW @2,100rpm
Displacement 4,169cm³

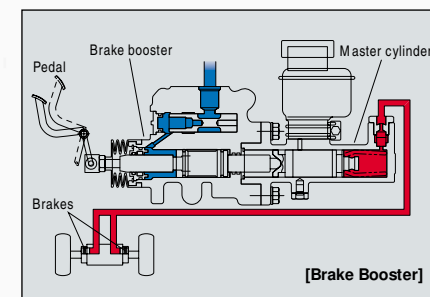


Advanced Steering System for Highly Efficient Movement

The CX Series employs Komatsu's unique new power steering system, KAPS. Featuring better durability and more direct power transmission, KAPS makes steering control lighter. As a result, handling is sharper and more precise, despite bumps.

Powerful and Clean Engines

CX Series machines are available with either diesel or gasoline engines, both of which are powerful and clean-burning, but feature low noise and vibration levels that surpass EU and North American environmental guidelines.



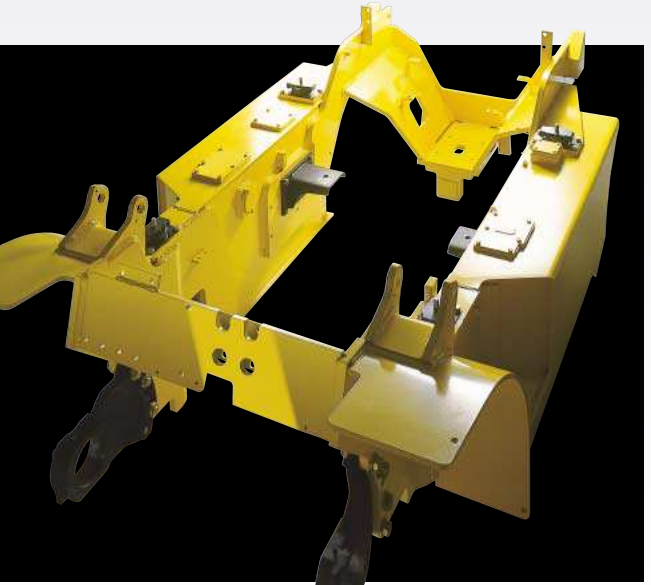
Excellent Braking Performance

A high-capacity braking system allows CX Series machines to stop quickly and precisely, contributing to overall productivity. The braking system is smooth and reliable, ensuring smooth, easy operation under all types of site conditions.

*Highly Rigid, Durable Components
for Reliable Operations Every Day*



*Environment Designed to
Maximize Operator Efficiency*

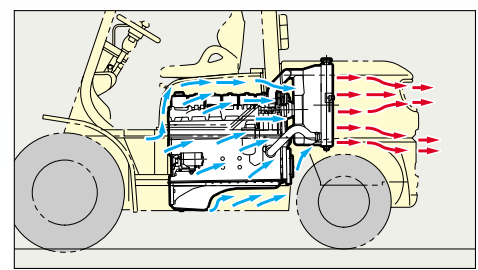


Highly Rigid Mast and Frame

Contributing to overall reliability, CX Series machines employ a highly rigid mast and frame. The cross-sectional area of the mast rails has been increased, as has frame strength, which improves load-handling stability. As a result, heavy loads can be moved safely and dependably.

Excellent Reliability even in Severe Conditions

A large-capacity cooling system, thoughtful piping design and an easy-maintenance inline filter help guarantee that CX Series machine performance is consistently reliable even under the most severe operating conditions.



Outstanding Front/Rear Visibility for Higher Operating Efficiency

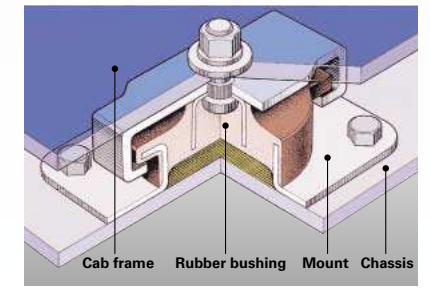
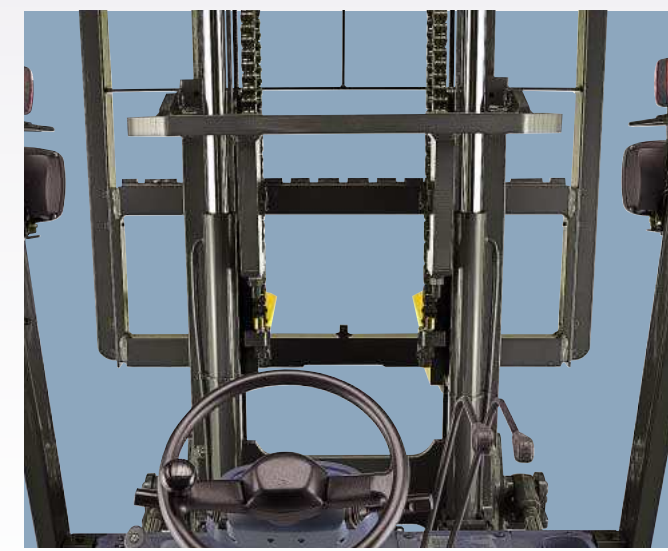
Rounded machine contours and a view-through mast design allow the operator to easily see to the back of the machine or the front, including the fork tips. Superb front/rear visibility helps operators work more productively and confidently.

Smooth and Vibrationless for Improved Concentration

A smooth and vibrationless operator station means that operators are better able to concentrate on the task at hand. CX Series machines assure operator comfort with a deluxe operator seat offering adjustable seat suspension, as well as full-floating cab mounts.

Operating System for Working Efficiently, Rapidly and Dependably

All levers and pedals are arranged to raise operating efficiency. All frequently used levers are integrated into the main console. Oversized floor pedals are angled to improve ease of operation, and the roller-mounted accelerator pedal ensures subtle speed control.

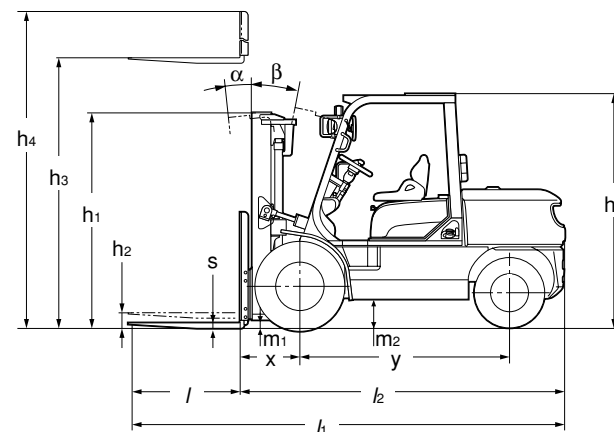
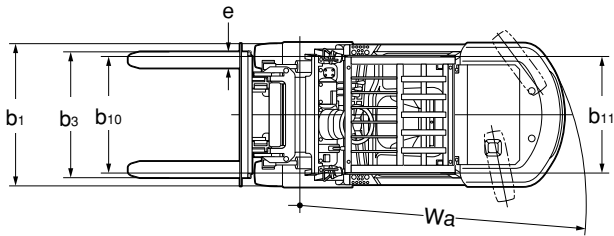


Cab frame Rubber bushing Mount Chassis

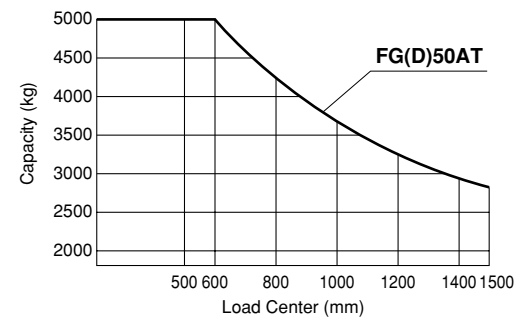
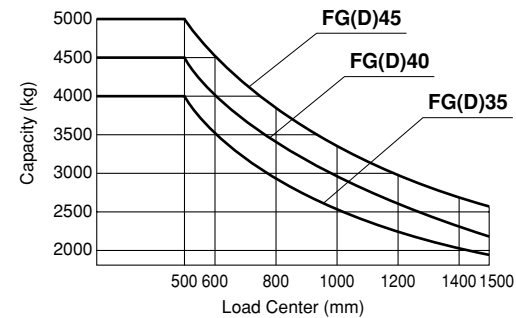
Specifications

Standard Models

Model	Manufacturer's Designation		FG35T-7	FD35T-7	FD35W-7	FG40T-7	FD40T-7	FD40W-7	FG45T-7	FD45T-7	FD45W-7	FG50AT-7	FD50AT-7
	Electric, Diesel, Gasoline, LPG, Cable	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel	Gasoline Diesel
1.2 Model	Manufacturer's Designation		FG35T-7	FD35T-7	FD35W-7	FG40T-7	FD40T-7	FD40W-7	FG45T-7	FD45T-7	FD45W-7	FG50AT-7	FD50AT-7
1.3 Power Type	Electric, Diesel, Gasoline, LPG, Cable		Gasoline	Diesel		Gasoline	Diesel		Gasoline	Diesel		Gasoline	Diesel
1.4 Operation Type	Pedestrian, Driver Standing, Sitting, Order Picking			Sitting			Sitting			Sitting		Sitting	Diesel
1.5 Rated Capacity	Q	Rated Capacity		3500			4000			4500		5000	
1.6 Load Center	c	Load Center		600			600			600		600	
1.6.1 Alternative Capacity	Q ₂	Capacity @ 500mm Load Center		4000			4500			5000		5000	
1.8 Load Distance	x	Front Axle Center to Fork Face		570			575			575		575	
1.9 Wheelbase	y			2000			2000			2000		2000	2200
2.1 Service Weight			5645	5835	5775	6070	6260	6200	6625	6815	6755	7240	7005
2.2 Axle Loading	Loaded	Front	8070	8165	8120	8830	8925	8880	9855	9950	9905	10820	10705
		Rear	1075	1170	1155	1240	1335	1320	1270	1365	1350	1420	1300
2.3 Unloaded	Front		2520	2615	2570	2480	2575	2530	2690	2785	2740	2880	3035
2.3.1	Rear		3125	3220	3205	3590	3685	3670	3935	4030	4015	4360	3970
3.1 Tyre Type				Pneumatic			Pneumatic			Pneumatic		Pneumatic	
3.2 Tyre Size	Front			8.25-15-12PR(I)			300-15-18PR(I)			300-15-18PR(I)		300-15-18PR(I)	
	Rear			7.00-12-12PR(I)			7.00-12-12PR(I)			7.00-12-12PR(I)		7.00-12-14PR(I)	7.00-12-12PR(I)
3.5 Number of Wheel	Front/Rear(x=driven)			2x/2			2x/2			2x/2		2x/2	
3.6 Tread, Front	b ₁₀	mm		1115			1150			1150		1150	
3.7 Tread, Rear	b ₁₁	mm		1120			1120			1120		1120	
4.1 Tilting Angle	α/β	Forward/Backward degree		6/12			6/12			6/12		6/12	
4.2 Mast Height, Lowered	h ₁	with Std. Mast		2105			2105			2205		2205	
4.3 Std. Free Lift	h ₂	with Std. Mast from Ground		150			155			140		145	
4.4 Std. Lift Height	h ₃	with Std. Mast from Ground		3000			3000			3000		3000	
4.5 Mast Height, Extended	h ₄	with Std. Mast		4130			4130			4130		4345	
4.7 Height, Overhead Guard	h ₆			2240			2240			2240		2240	
4.19 Length, with Std. Forks	l ₁			4150			4215			4265		4435	4605
4.20 Length, to Fork Face	l ₂			3080			3145			3195		3215	3385
4.21 Width, at Tyre	b ₁			1350			1450			1450		1450	
4.22 Forks	s/e/l	Thickness/Width/Length		50 x 150 x 1070			55 x 150 x 1070			55 x 150 x 1070		55 x 150 x 1220	
4.23 Fork Carriage Class	ISO 2328, Type A/B/no			Class III, Type A			Class III, Type A			Class III, Type A		Class IV, Type A	
4.24 Width, Fork Carriage	b ₃	mm		1190			1190			1190		1270	
4.31 Ground Clearance	m ₁	Under the Mast		145			145			145		145	
4.32	m ₂	at the Center of Wheelbase		230			230			230		230	
4.33 Right Angle Stacking Aisle	Ast	with L1000 x W1200 pallet		4500			4545			4605		4625	4825
4.34	Ast	with L1200 x W800 pallet		4700			4745			4805		4825	5005
4.35 Turning Radius	Wa			2730			2770			2820		2850	3050
5.1 Travel Speed (FWD)	Loaded 1st/2nd	km/h		18.5	8.5/18.5		18.5	8.5/18.5		15.5/23.0	8.5/18.5	15.5/23.0	
5.1.1	Unloaded 1st/2nd	km/h		19.5	9.0/19.5		19.5	9.0/19.5		16.5/24.0	9.0/19.5	16.5/24.0	
5.2 Lifting Speed	Loaded/Unloaded	mm/s	450/480		530/570	450/480		530/570	390/410		460/490	390/410	460/490
5.3 Lowering Speed	Loaded/Unloaded	mm/s	480/550		480/550	480/550		480/550	450/520		450/520	450/520	450/520
5.6 Max. Drawbar Pull	*1.5km/h, 3min rating	kN	24.3*	27.6*	27	24.3*	27.6*	27	28.6*	32.6*	27	28.6*	32.6*
5.8 Max. Gradeability	*1.5km/h, 3min rating	%	27.7*	31.2*	25	24.9*	28.1*	25	26.7*	30.2*	21	25.0*	28.4*
5.10 Service Brake	Operation/Control			Foot/Hydraulic			Foot/Hydraulic			Foot/Hydraulic		Foot/Hydraulic	
5.11 Parking Brake	Operation/Control			Hand/Mechanical			Hand/Mechanical			Hand/Mechanical		Hand/Mechanical	
5.12 Steering				Hydraulic Power Steering			Hydraulic Power Steering			Hydraulic Power Steering		Hydraulic Power Steering	
6.4 Battery	Voltage/Capacity at 5-hour rating	V/Ah	12/48	24/56		12/48	24/56		12/48	24/56		12/48	24/56
7.1 Make/Model			NISSAN/TB42	KOMATSU/6D102E-1		NISSAN/TB42	KOMATSU/6D102E-1		NISSAN/TB42	KOMATSU/6D102E-1		NISSAN/TB42	KOMATSU/6D102E-1
7.2 Rated Output, SAE gross		kW	62.5	69.9		62.5	69.9		62.5	69.9		62.5	69.9
7.3 Rated Speed		rpm	2100	2150		2100	2150		2100	2150		2100	2150
7.3.1 Max. Torque, SAE gross		Nm@r.p.m	275@1900	309@1500		275@1900	309@1500		275@1900	309@1500		275@1900	309@1500
7.4 No. of Cylinder / Displacement		cm ³	6/4169	6/5880		6/4169	6/5880		6/4169	6/5880		6/4169	6/5880
7.6 Fuel Tank Capacity		Ltr		100			100			100		100	
8.2 Relief Pressure for Attachment		bar		181			181			181		181	
8.2.1 Hydraulic Tank Capacity		Ltr		55			55			55		55	
8.6 Clutch				Torque Converter	Wet(Oil) Clutch		Torque Converter	Wet(Oil) Clutch		Torque Converter	Wet(Oil) Clutch	Torque Converter	
8.7 Transmission				TORQFLOW	Synchromesh		TORQFLOW	Synchromesh		TORQFLOW	Synchromesh	TORQFLOW	



CAPACITY CHART



STANDARD EQUIPMENT

- 3.0m two-stage free-view mast
- Deluxe operator's seat
- Komatsu Advanced Power Steering System (KAPS)
- Turn signal lamps
- Neutral safety start system
- Hourmeter
- Torque converter oil temperature gauge (TORQFLOW type)
- Engine oil pressure warning lamp
- Charge warning lamp
- Alternator with IC regulator
- Automatic choke (Gasoline)
- Fully transistorized ignition system (Gasoline)
- Transmission line filter (TORQFLOW type)
- Wet (oil) clutch for manual transmission models
- Torque converter oil cooler (TORQFLOW type)
- Drawbar pin

OPTIONS

- Special length forks
- Rear working light
- Spark arrester
- Load indicator

ATTACHMENTS

- Side shifter
- Block clamp
- Hinged forks

There are more options and attachments. Features and specifications may vary in different countries and regions. Please contact your KOMATSU dealer to confirm machine details in your region.

APPLICABLE FRONT TYRE SIZE

FG(D)35			
Front tyre	Single	SDFT	DFT
Front tyre size	8.25-15-12PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1350	1890	1750
Front Tread (mm)	1115	1385	1285

FG(D)40			
Front tyre	Single	SDFT	DFT
Front tyre size	300-15-18PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1450	1890	1750
Front Tread (mm)	1150	1385	1285

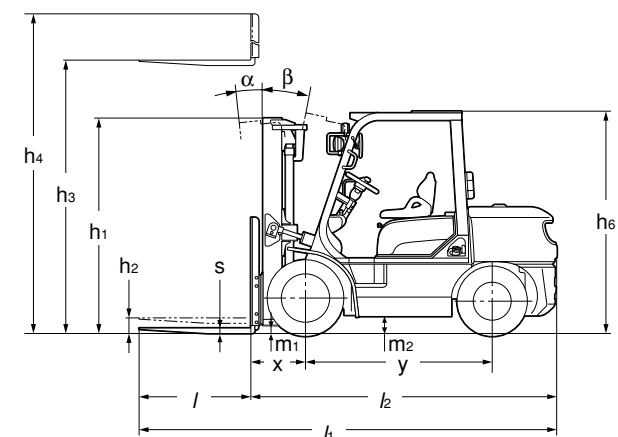
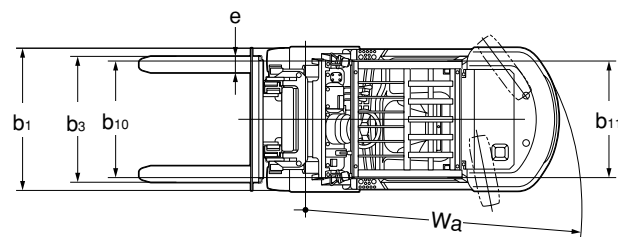
FG(D)45			
Front tyre	Single	SDFT	DFT
Front tyre size	300-15-18PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1450	1890	1750
Front Tread (mm)	1150	1385	1285

FG(D)50AT			
Front tyre	Single	SDFT	DFT
Front tyre size	300-15-18PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1450	1890	1750
Front Tread (mm)	1150	1385	1285

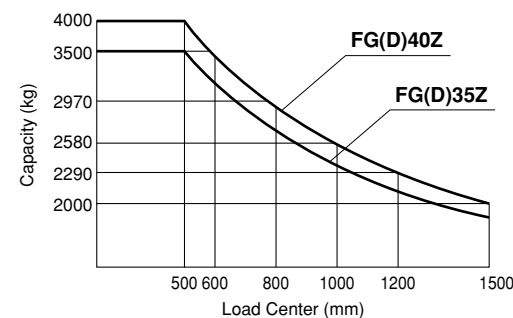
Specifications

Compact Models

		Manufacturer's Designation		FG35ZT-7	FD35ZT-8	FG40ZT-7	FD40ZT-8			
Characteristics	1.2 Model			Gasoline	Diesel	Gasoline	Diesel			
	1.3 Power Type									
	1.4 Operation Type				Sitting		Sitting			
	1.5 Rated Capacity	Q	Rated Capacity	kg	3500		4000			
	1.6 Load Center	c	Load Center	mm	500		500			
	1.6.1 Alternative Capacity	Q ₂	Capacity @ 600mm Load Center	kg	3250		3500			
	1.8 Load Distance	x	Front Axle Center to Fork Face	mm	530		530			
	1.9 Wheelbase	y		mm	1800	1830	1800	1830		
	2.1 Service Weight			kg	5260	5430	5580	5750		
	Weight	2.2 Axle Loading	Loaded	Front	kg	7795	7850	8505	8555	
Rear				kg	965	1080	1075	1195		
2.3 Unloaded		Front	kg	2290	2380	2215	2295			
			Rear	kg	2970	3050	3365	3455		
2.3.1										
Tyre	3.1 Tyre Type			Pneumatic		Pneumatic				
	3.2 Tyre Size			250-15-16PR(I)		250-15-16PR(I)				
	3.3 Tyre Size			7.00-12-12PR(I)		7.00-12-12PR(I)				
	3.5 Number of Wheel	Front/Rear(x=driven)		2x/2		2x/2				
	3.6 Tread, Front	b ₁₀		mm	1115		1115			
Basic Measurement	3.7 Tread, Rear	b ₁₁		mm	1120		1120			
	4.1 Tilting Angle	α/β	Forward/Backward	degree	6/12		6/12			
	4.2 Mast Height, Lowered	h ₁	with Std. Mast	mm	2100		2100			
	4.3 Std. Free Lift	h ₂	with Std. Mast from Ground	mm	150		150			
	4.4 Std. Lift Height	h ₃	with Std. Mast from Ground	mm	3000		3000			
	4.5 Mast Height, Extended	h ₄	with Std. Mast	mm	4130		4130			
	4.7 Height, Overhead Guard	h ₆		mm	2150	2190	2150	2190		
	4.19 Length, with Std. Forks	l		mm	3970		4020			
	4.20 Length, to Fork Face	l ₂		mm	2900		2950			
	4.21 Width, at Tyre	b ₁		mm	1350		1350			
	4.22 Forks	s/e/l	Thickness/Width/Length	mm	50 x 150 x 1070		50 x 150 x 1070			
	4.23 Fork Carriage Class				Class III, Type A		Class III, Type A			
	4.24 Width, Fork Carriage	b ₃		mm	1190		1190			
	4.31 Ground Clearance	m ₁	Under the Mast	mm	140		140			
	4.32	m ₂	at the Center of Wheelbase	mm	175	185	175	185		
4.33 Right Angle Sticking Aisle	Ast	with L1000 x W1200 pallet	mm	4260		4310				
4.34	Ast	with L1200 x W800 pallet	mm	4460		4510				
4.35 Turning Radius	Wa		mm	2530		2580				
Performance	5.1 Travel Speed (FWD)	Loaded 1st/2nd		km/h	18.5		18.5			
	5.1.1	Unloaded 1st/2nd		km/h	19.5		19.5			
	5.2 Lifting Speed	Loaded/Unloaded		mm/s	450/480	530/570	450/480	530/570		
	5.3 Lowering Speed	Loaded/Unloaded		mm/s	480/550		480/550			
	5.6 Max. Drawbar Pull	*1.5km/h, 3min rating		kN	24.7*	28.1*	24.7*	28.1*		
	5.8 Max. Gradeability	*1.5km/h, 3min rating		%	30.3*	34.1*	28.3*	31.8*		
	5.10 Service Brake	Operation/Control			Foot/Hydraulic		Foot/Hydraulic			
	5.11 Parking Brake	Operation/Control			Hand/Mechanical		Hand/Mechanical			
	5.12 Steering				Hydraulic Power Steering		Hydraulic Power Steering			
	6.4 Battery	Voltage/Capacity at 5-hour rating		V/Ah	12/48	24/56	12/48	24/56		
Drive	7.1 Make/Model			NISSAN/TB42	KOMATSU/S6D102E-1	NISSAN/TB42	KOMATSU/S6D102E-1			
	7.2 Rated Output, SAE gross			kW	62.5	71.0	62.5	71.0		
	7.3 Rated Speed			rpm	2100	2150	2100	2150		
	7.3.1 Max. Torque, SAE gross			Nm@r.p.m	275@1900	372@1000	275@1900	372@1000		
	7.4 No. of Cylinder / Displacement			cm ³	6/4169	6/5880	6/4169	6/5880		
Others	7.6 Fuel Tank Capacity			Ltr	80	90	80	90		
	8.2 Relief Pressure for Attachment			bar	181		181			
	8.2.1 Hydraulic Tank Capacity			Ltr	55		55			
	8.6 Clutch				Torque Converter		Torque Converter			
	8.7 Transmission				TORQFLOW		TORQFLOW			



CAPACITY CHART



STANDARD EQUIPMENT

- 3.0m two-stage free-view mast
- Load backrest
- Forks
- Overhead guard
- Deluxe operator's seat
- Tilttable steering column
- Komatsu Advanced Power Steering System (KAPS)
- Headlights
- Turn signal lamps
- Stop and tail lamps
- Backup lamps
- Electric horn
- Neutral safety start system
- Engine key stop (Diesel)
- Operating lamp
- Hourmeter
- Fuel gauge
- Water temperature gauge
- Torque converter oil temperature gauge (TORQFLOW type)
- Engine oil pressure warning lamp
- Brake oil level warning lamp
- Charge warning lamp
- Sediment warning lamp (Diesel)
- Alternator with IC regulator
- Cyclonic air cleaner with high position air intake
- Automatic choke (Gasoline)
- Pre-combustion air heating system (Diesel)
- Fully transistorized ignition system (Gasoline)
- Transmission line filter (TORQFLOW type)
- Wet (oil) clutch for manual transmission models
- Torque converter oil cooler (TORQFLOW type)
- Hydraulic oil cooler
- Drawbar pin

OPTIONS

- Special length forks
- Extension forks
- Backup buzzer
- Rear working light
- Rear-view mirror
- Exhaust gas purifier
- Spark arrester
- Upward exhaust pipe
- Overload warning buzzer
- Load indicator

ATTACHMENTS

- Side shifter
- Fork positioner
- Rotating forks
- Fork clamp
- Block clamp
- Bale clamp
- Roll clamp
- Multipurpose clamp
- Hinged forks
- Manipulator

There are more options and attachments. Features and specifications may vary in different countries and regions. Please contact your KOMATSU dealer to confirm machine details in your region.

APPLICABLE FRONT TYRE SIZE

FG(D)35Z		
Front tyre	Single	DFT
Front tyre size	250-15-16PR(I)	7.00-15-10PR(I)
Overall Width (mm)	1350	1735
Front Tread (mm)	1115	1300

FG(D)40Z		
Front tyre	Single	DFT
Front tyre size	250-15-16PR(I)	7.00-15-10PR(I)
Overall Width (mm)	1350	1735
Front Tread (mm)	1115	1300