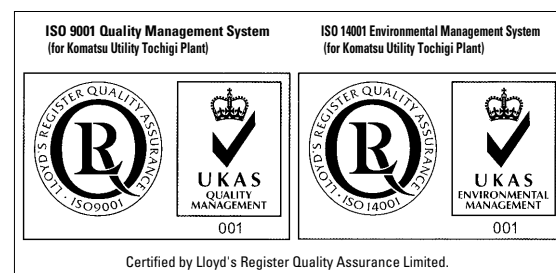


KOMATSU



CXseries

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

Head office: 2-4-1, Shiba-koen, Minato-ku, Tokyo 105-0011, Japan

URL: <http://www.komatsu-utility.com>

Fax: +81-3-3433-3120

Form No. BR-CX-006-ENG
Printed in Japan 0907-1-03Shi

KOMATSU FORKLIFT

Courtesy of Crane.Market

TOTAL PRODUCTIVITY

Powerful

Tough

Efficient

The CX 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

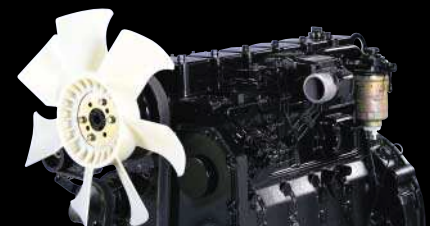
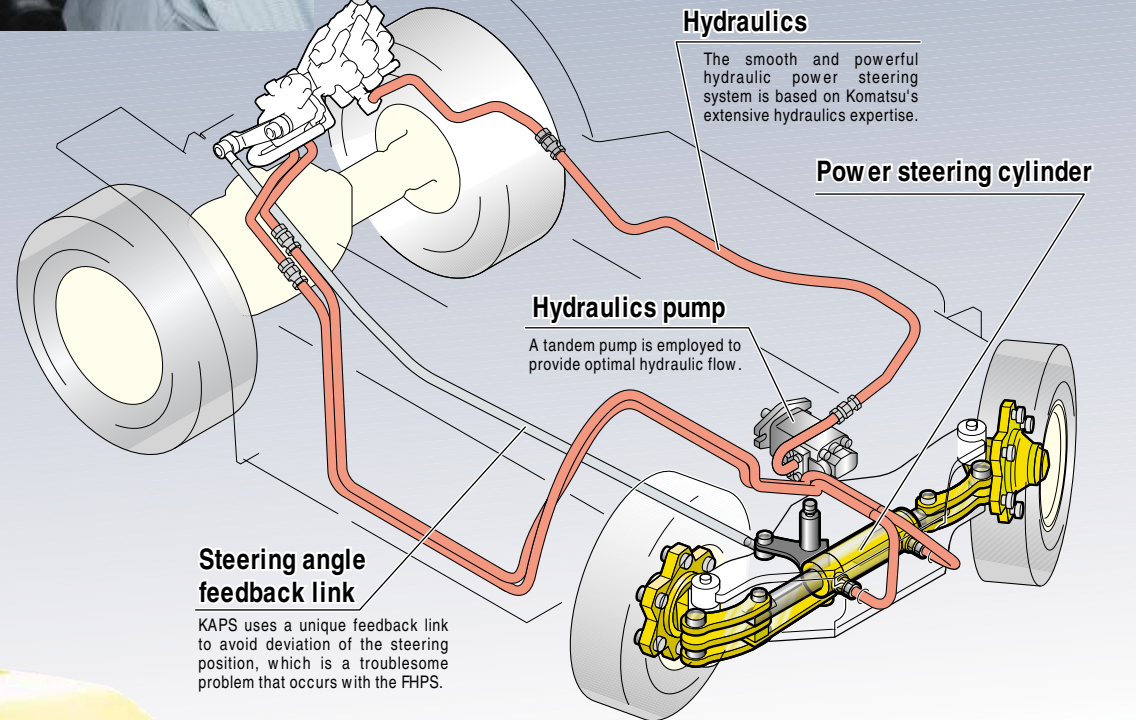
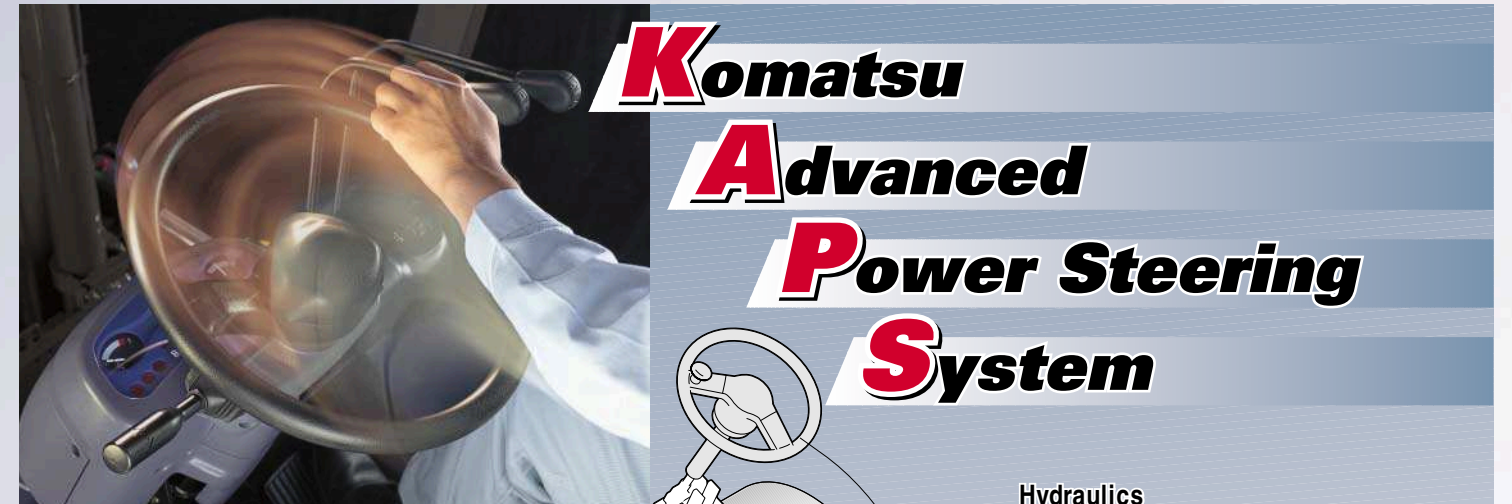


THE MOVER

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*



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

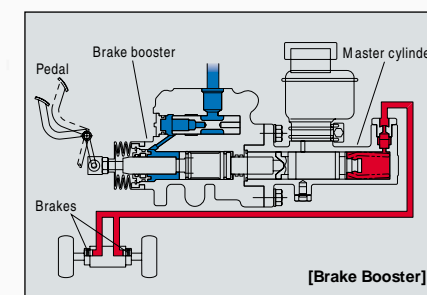
The CX Series employs Komatsu's unique new power steering system, KAPS. Featuring better durability and more direct power transmission, KAPS makes steering control lighter. As a result, handling is sharper and more precise, despite bumps.

Powerful and Clean Engines

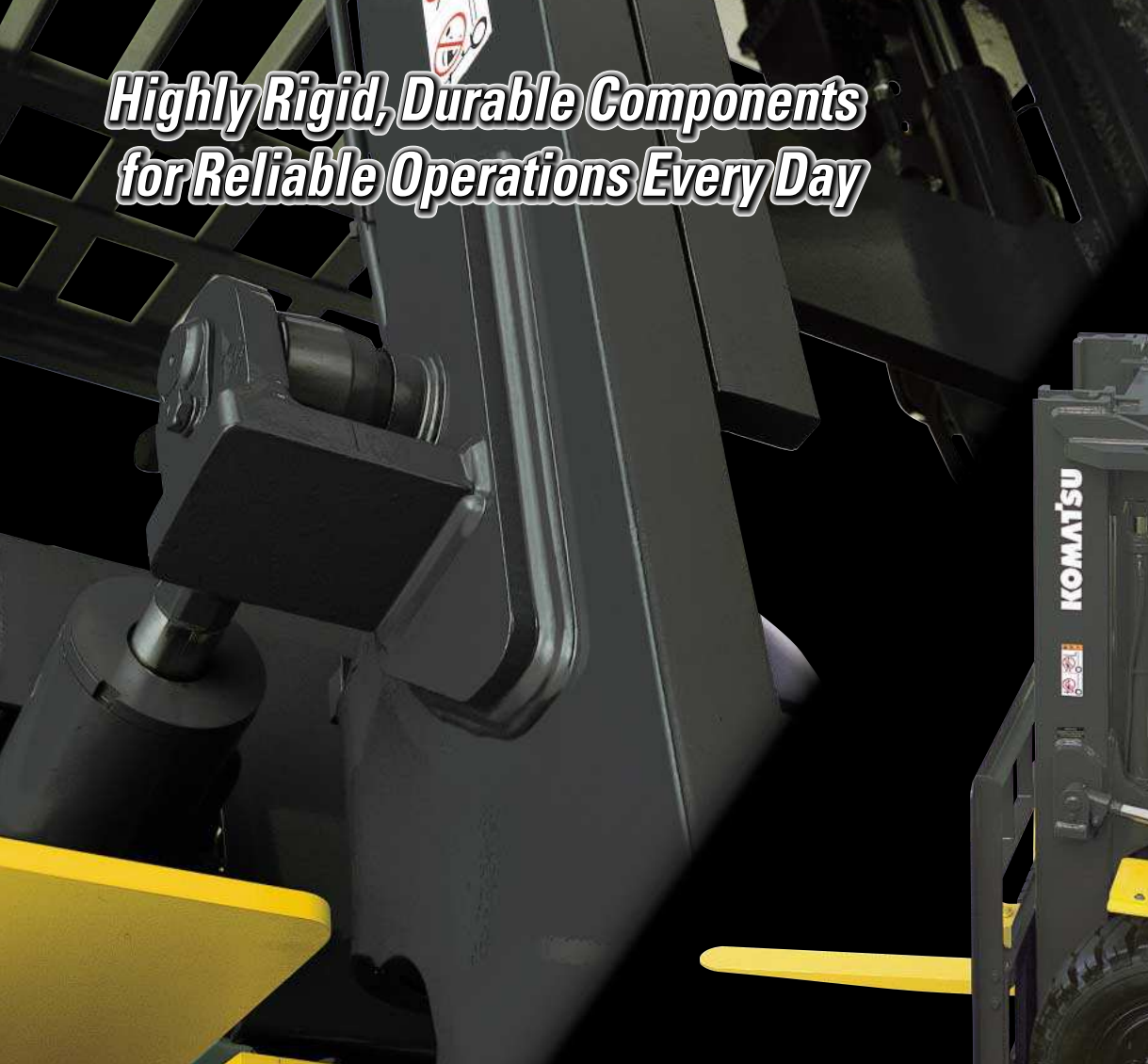
CX Series machines are available with either diesel or gasoline engines, both of which are powerful and clean-burning, but feature low noise and vibration levels that surpass EU and North American environmental guidelines.

Excellent Braking Performance

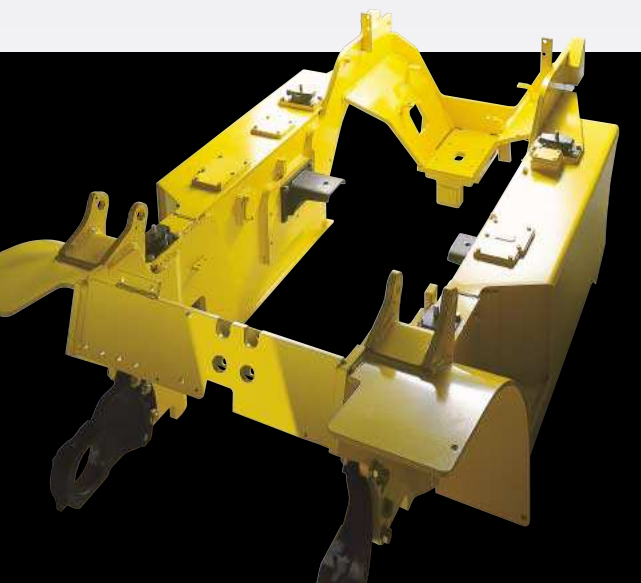
A high-capacity braking system allows CX Series machines to stop quickly and precisely, contributing to overall productivity. The braking system is smooth and reliable, ensuring smooth, easy operation under all types of site conditions.



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



*Environment Designed to
Maximize Operator Efficiency*

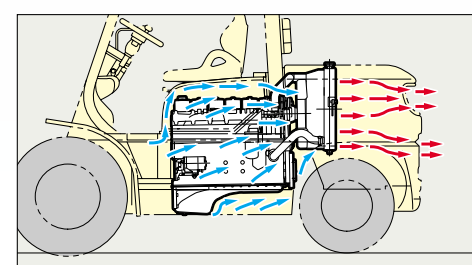


Highly Rigid Mast and Frame

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

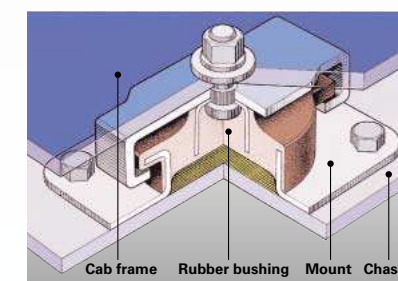
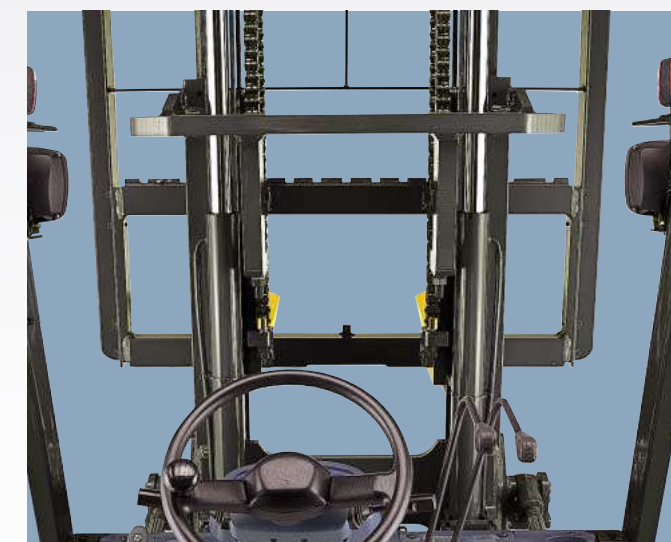
Rounded machine contours and a view-through mast design allow the operator to easily see to the back of the machine or the front, including the fork tips. Superb front/rear visibility helps operators work more productively and confidently.

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

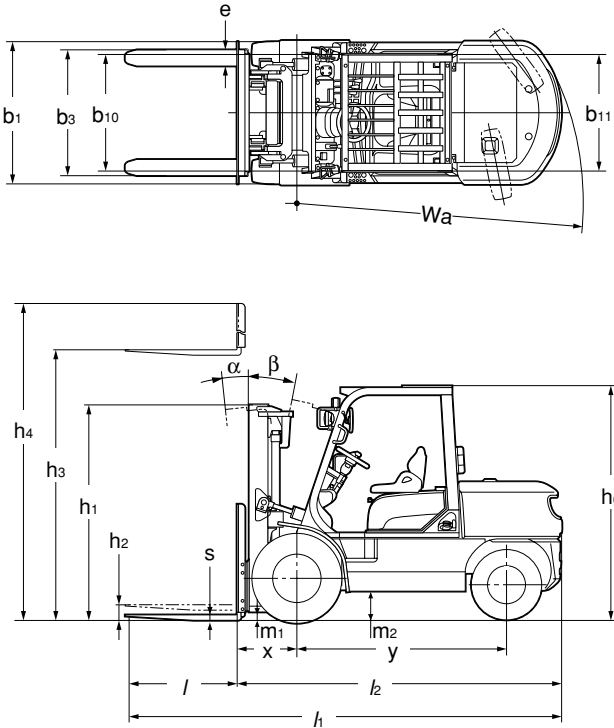
All levers and pedals are arranged to raise operating efficiency. All frequently used levers are integrated into the main console. Oversized floor pedals are angled to improve ease of operation, and the roller-mounted accelerator pedal ensures subtle speed control.



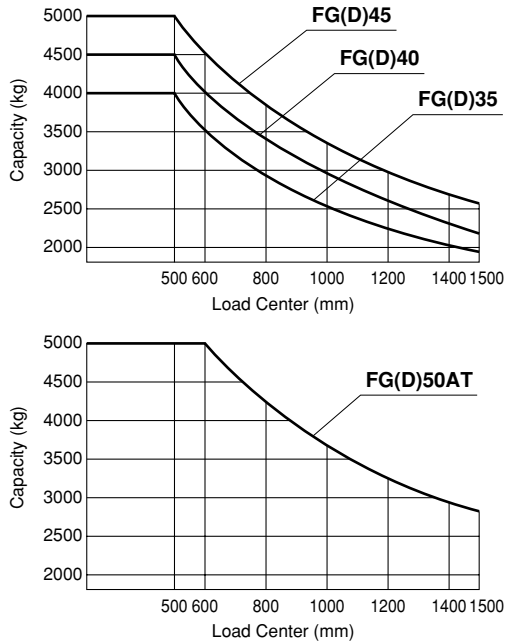
Cab frame Rubber bushing Mount Chassis

Specifications
Standard Models

Characteristics	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	1.2
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Gasoline	Diesel			Gasoline	Diesel		Gasoline	Diesel		Gasoline	Diesel	1.3
	1.4	Operation Type	Pedestrian, Driver Standing, Sitting, Order Picking			Sitting				Sitting			Sitting			Sitting	1.4
	1.5	Rated Capacity	Q	Rated Capacity	kg	3500				4000			4500			5000	1.5
Weight	1.6	Load Center	c	Load Center	mm	600				600			600			600	1.6
	1.6.1	Alternative Capacity	Q ₂	Capacity @ 500mm Load Center	kg	4000				4500			5000			5000	1.6.1
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	570				575			585			575	1.8
	1.9	Wheelbase	y		mm	2000				2000			2000		2000	2200	1.9
Type	2.1	Service Weight			kg	5645	5835	5775	6070	6260	6200	6625	6815	6755	7240	7005	2.1
	2.2	Axle Loading	Loaded	Front	kg	8070	8165	8120	8830	8925	8880	9855	9950	9905	10820	10705	2.2
	2.2.1			Rear	kg	1075	1170	1155	1240	1335	1320	1270	1365	1350	1420	1300	2.2.1
	2.3		Unloaded	Front	kg	2520	2615	2570	2480	2575	2530	2690	2785	2740	2880	3035	2.3
Basic Measurement	2.3.1			Rear	kg	3125	3220	3205	3590	3685	3670	3935	4030	4015	4360	3970	2.3.1
	3.1	Tyre Type				Pneumatic				Pneumatic			Pneumatic			Pneumatic	3.1
	3.2	Tyre Size	Front			8.25-15-12PR(I)				300-15-18PR(I)			300-15-18PR(I)			300-15-18PR(I)	3.2
	3.3		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)	3.3
Performance	3.5	Number of Wheel	Front/Rear(x=driven)			2x/2				2x/2			2x/2			2x/2	3.5
	3.6	Tread, Front	b ₁₀		mm	1115				1150			1150			1150	3.6
	3.7	Tread, Rear	b ₁₁		mm	1120				1120			1120			1120	3.7
	4.1	Tilting Angle	α/β	Forward/Backward	degree	6/12				6/12			6/12			6/12	4.1
Drive	4.2	Mast Height, Lowered	h ₁	with Std. Mast	mm	2105				2105			2205			2205	4.2
	4.3	Std. Free Lift	h ₂	with Std. Mast from Ground	mm	150				155			140			145	4.3
	4.4	Std. Lift Height	h ₃	with Std. Mast from Ground	mm	3000				3000			3000			3000	4.4
	4.5	Mast Height, Extended	h ₄	with Std. Mast	mm	4130				4130			4130			4345	4.5
Others	4.7	Height, Overhead Guard	h ₆		mm	2240				2240			2240			2240	4.7
	4.19	Length, with Std. Forks	l ₁		mm	4150				4215			4265		4435	4605	4.19
	4.20	Length, to Fork Face	l ₂		mm	3080				3145			3195		3215	3385	4.20
	4.21	Width, at Tyre	b ₁		mm	1350				1450			1450			1450	4.21
Performance	4.22	Forks	s/e/l	Thickness/Width/Length	mm	50 x 150 x 1070				55 x 150 x 1070			55 x 150 x 1070			55 x 150 x 1220	4.22
	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	4.23
	4.24	Width, Fork Carriage	b ₃		mm	1190				1190			1190			1270	4.24
	4.31	Ground Clearance	m ₁	Under the Mast	mm	145				145			145			145	4.31
Performance	4.32		m ₂	at the Center of Wheelbase	mm	230				230			230			230	4.32
	4.33	Right Angle Stacking Aisle	Ast	with L1000 x W1200 pallet	mm	4500				4545			4605		4625	4825	4.33
	4.34		Ast	with L1200 x W800 pallet	mm	4700				4745			4805		4825	5005	4.34
	4.35	Turning Radius	Wa		mm	2730				2770			2820		2850	3050	4.35
Performance	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
	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		5.1.1
	5.2	Lifting Speed	Loaded/Unloaded		mm/s	450/480		530/570	450/480		530/570	390/410		460/490	390/410		5.2
	5.3	Lowering Speed	Loaded/Unloaded		mm/s	480/550		480/550	480/550		480/550	450/520		450/520	450/520		5.3
Performance	5.6	Max. Drawbar Pull	*1.5km/h, 3min rating		kN	24.3*		27.6*	24.3*		27.6*	28.6*		27	28.6*		5.6
	5.8	Max. Gradeability	*1.5km/h, 3min rating		%	27.7*		31.2*	24.9*		25	26.7*		21	25.0*		5.8
	5.10	Service Brake	Operation/Control			Foot/Hydraulic			Foot/Hydraulic			Foot/Hydraulic			Foot/Hydraulic		5.10
	5.11	Parking Brake	Operation/Control			Hand/Mechanical			Hand/Mechanical			Hand/Mechanical			Hand/Mechanical		5.11
Drive	5.12	Steering				Hydraulic Power Steering			Hydraulic Power Steering			Hydraulic Power Steering			Hydraulic Power Steering		5.12
	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		6.4
	7.1	Make/Model				NISSAN/TB42		KOMATSU/6D102E-1	NISSAN/TB42		KOMATSU/6D102E-1	NISSAN/TB42		KOMATSU/6D102E-1	NISSAN/TB42		7.1
	7.2	Rated Output,SAE gross			kW	62.5		69.9	62.5		69.9	62.5		69.9	62.5		7.2
Others	7.3	Rated Speed			rpm	2100		2150	2100		2150	2100		2150	2100		7.3
	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		7.3.1
	7.4	No. of Cylinder /Displacement			cm³	6/4169		6/5880	6/4169		6/5880	6/4169		6/5880	6/4169		7.4
	7.6	Fuel Tank Capacity			Ltr	100			100			100			100		7.6
Others	8.2	Relief Pressure for Attachment			bar	181			181			181			181		8.2
	8.2.1	Hydraulic Tank Capacity			Ltr	55			55			55			55		8.2.1
	8.6	Clutch				Torque Converter		Wet(Oil) Clutch	Torque Converter		Wet(Oil) Clutch	Torque Converter		Wet(Oil) Clutch	Torque Converter		8.6
	8.7	Transmission				TORQFLOW		Synchromesh	TORQFLOW		Synchromesh	TORQFLOW		Synchromesh	TORQFLOW		8.7



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
- Load backrest
- Forks
- Overhead guard
- Tilttable steering column
- Headlights
- Backup lamps
- Electric horn
- Engine key stop (Diesel)
- Operating lamp
- Water temperature gauge
- Brake oil level warning lamp
- Sedimenter warning lamp (Diesel)
- Cyclonic air cleaner with high position air intake
- Pre-combustion air heating system (Diesel)
- Exhaust gas purifier
- Upward exhaust pipe
- Overload warning buzzer

OPTIONS

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

ATTACHMENTS

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

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

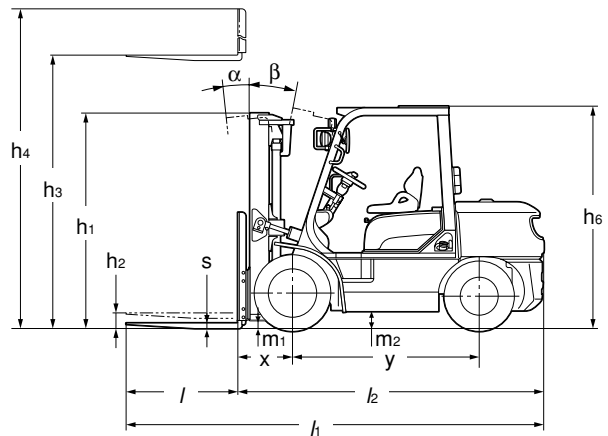
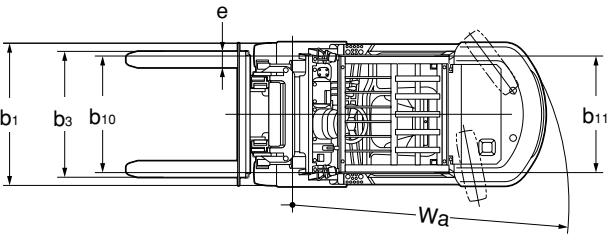
FG(D)35			
Front tyre	Single	SDFT	DFT
Front tyre size	8.25-15-12PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1350	1890	1750
Front Tread (mm)	1115	1385	1285

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

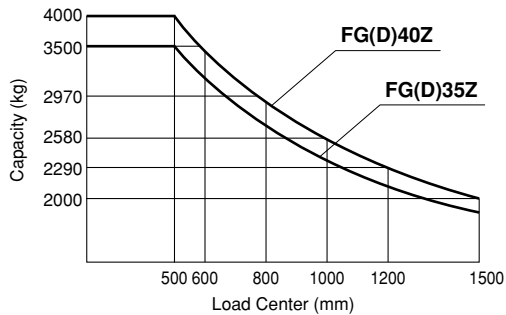
FG(D)45			
Front tyre	Single	SDFT	DFT
Front tyre size	300-15-18PR(I)	8.25-15-12PR(I)	7.50-16-12PR(I)
Overall Width (mm)	1450	1890	1750
Front Tread (mm)	1150	1385	1285

Specifications
Compact Models

Characteristics	1.2	Model	Manufacturer's Designation		FG35ZT-7	FD35ZT-8	FG40ZT-7	FD40ZT-8	1.2	Characteristics			
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Gasoline	Diesel	Gasoline	Diesel	1.3				
	1.4	Operation Type	Pedestrian, Driver Standing, Sitting, Order Picking			Sitting		Sitting	1.4				
	1.5	Rated Capacity	Q	Rated Capacity	kg	3500		4000	1.5				
	1.6	Load Center	c	Load Center	mm	500		500	1.6				
	1.6.1	Alternative Capacity	Q ₂	Capacity @ 600mm Load Center	kg	3250		3500	1.6.1				
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	530		530	1.8				
	1.9	Wheelbase	y		mm	1800	1830	1800	1830		1.9		
	2.1	Service Weight			kg	5260	5430	5580	5750		2.1		
Weight	2.2	Axle Loading	Loaded	Front	kg	7795	7850	8505	8555	2.2			
	2.2.1			Rear	kg	965	1080	1075	1195	2.2.1			
	2.3		Unloaded	Front	kg	2290	2380	2215	2295	2.3			
	2.3.1			Rear	kg	2970	3050	3365	3455	2.3.1			
Tyre	3.1	Tyre Type			Pneumatic		Pneumatic		3.1	Tyre			
	3.2	Tyre Size	Front		250-15-16PR(I)		250-15-16PR(I)		3.2				
	3.3		Rear		7.00-12-12PR(I)		7.00-12-12PR(I)		3.3				
Basic Measurement	3.5	Number of Wheel	Front/Rear(x=driven)		2x/2		2x/2		3.5	Basic Measurement			
	3.6	Tread, Front	b ₁₀		mm	1115		1115	3.6				
	3.7	Tread, Rear	b ₁₁		mm	1120		1120	3.7				
	4.1	Tilting Angle	α/β	Forward/Backward	degree	6/12		6/12	4.1				
	4.2	Mast Height, Lowered	h ₁	with Std. Mast	mm	2100		2100	4.2				
	4.3	Std. Free Lift	h ₂	with Std. Mast from Ground	mm	150		150	4.3				
	4.4	Std. Lift Height	h ₃	with Std. Mast from Ground	mm	3000		3000	4.4				
	4.5	Mast Height, Extended	h ₄	with Std. Mast	mm	4130		4130	4.5				
	4.7	Height, Overhead Guard	h ₆		mm	2150	2190	2150	2190		4.7		
	4.19	Length, with Std. Forks	l ₁		mm	3970		4020	4.19				
	4.20	Length, to Fork Face	l ₂		mm	2900		2950	4.20				
	4.21	Width, at Tyre	b ₁		mm	1350		1350	4.21				
	4.22	Forks	s/e/l	Thickness/Width/Length	mm	50 x 150 x 1070		50 x 150 x 1070			4.22		
	4.23	Fork Carriage Class	ISO 2328, Type A/B/no			Class III, Type A		Class III, Type A			4.23		
	4.24	Width, Fork Carriage	b ₃		mm	1190		1190	4.24				
	4.31	Ground Clearance	m ₁	Under the Mast	mm	140		140	4.31				
	4.32		m ₂	at the Center of Wheelbase	mm	175	185	175	185		4.32		
	4.33	Right Angle Stickling Aisle	Ast	with L1000 x W1200 pallet	mm	4260		4310	4.33				
	4.34		Ast	with L1200 x W800 pallet	mm	4460		4510	4.34				
	4.35	Turning Radius	Wa		mm	2530		2580	4.35				
Performance	5.1	Travel Speed (FWD)	Loaded 1st/2nd		km/h	18.5		18.5	5.1	Performance			
	5.1.1		Unloaded 1st/2nd		km/h	19.5		19.5	5.1.1				
	5.2	Lifting Speed	Loaded/Unloaded		mm/s	450/480	530/570	450/480	530/570		5.2		
	5.3	Lowering Speed	Loaded/Unloaded		mm/s	480/550		480/550			5.3		
	5.6	Max. Drawbar Pull	*1.5km/h, 3min rating		kN	24.7*	28.1*	24.7*	28.1*		5.6		
	5.8	Max. Gradeability	*1.5km/h, 3min rating		%	30.3*	34.1*	28.3*	31.8*		5.8		
	5.10	Service Brake	Operation/Control			Foot/Hydraulic		Foot/Hydraulic			5.10		
	5.11	Parking Brake	Operation/Control			Hand/Mechanical		Hand/Mechanical			5.11		
	5.12	Steering				Hydraulic Power Steering		Hydraulic Power Steering			5.12		
	6.4	Battery	Voltage/Capacity at 5-hour rating		V/Ah	12/48	24/56	12/48	24/56		6.4		
	Drive	7.1	Make/Model				NISSAN/TB42	KOMATSU/S6D102E-1	NISSAN/TB42		KOMATSU/S6D102E-1	7.1	Drive
		7.2	Rated Output,SAE gross			kW	62.5	71.0	62.5		71.0	7.2	
7.3		Rated Speed			rpm	2100	2150	2100	2150	7.3			
7.3.1		Max. Torque, SAE gross			Nm@r.p.m	275@1900	372@1000	275@1900	372@1000	7.3.1			
7.4		No. of Cylinder /Displacement			cm³	6/4169	6/5880	6/4169	6/5880	7.4			
Others	7.6	Fuel Tank Capacity			Ltr	80	90	80	90	7.6	Others		
	8.2	Relief Pressure for Attachment			bar	181		181		8.2			
	8.2.1	Hydraulic Tank Capacity			Ltr	55		55		8.2.1			
	8.6	Clutch				Torque Converter		Torque Converter		8.6			
	8.7	Transmission				TORQFLOW		TORQFLOW		8.7			



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
- Load backrest
- Forks
- Overhead guard
- Tilttable steering column
- Headlights
- Backup lamps
- Electric horn
- Engine key stop (Diesel)
- Operating lamp
- Water temperature gauge
- Brake oil level warning lamp
- Sedimenter warning lamp (Diesel)
- Cyclonic air cleaner with high position air intake
- Pre-combustion air heating system (Diesel)

OPTIONS

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

ATTACHMENTS

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

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