

# KOMATSU

## 1.0-3.5 ton

**DIESEL and GASOLINE FORKLIFT TRUCKS**

AX50 / BX50 Series

[www.Komatsu-utility.com](http://www.Komatsu-utility.com)

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**Komatsu Utility Co., Ltd.**

Form No.BR-AXBX50-001-ENG

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# Destined Evolution

## Workability

- Smooth starting even while performing stationary steering
- Easy lifting without revving up engine
- Free stationary steering to change steering direction with light effort
- Thoughtful consideration of comfortable operation

## Ecology

- EPA Tier3/EU Stage IIIA Compliant Diesel Engine
- Powerful lift truck with lower fuel consumption



## Safety

- Operator Presence Sensing System
- Superior Visibility

## Comfort

- Dual 'Floating' Structure
- Wide Floor and Open, Non-slip Step
- Increased Operator Head Clearance (BX50 Diesel)

Komatsu AX50/BX50 Series that reviewed the performance required from a lift truck has unrivaled performance and functions clearly different from those of competitors. Increased safety, reduced total lifetime costs, high operability with less fatigue, and environmental performance carefully considered. You will certainly be satisfied with Komatsu's unique benefits. These features will be the true standard for the future, providing increased satisfaction on the job.

### AX50 Series

- Standard model
- 1.0 ton
- 1.5 ton
- 1.75 ton
- [Diesel]
- [Gasoline]



### BX50 Series

- Standard model
- 2.0 ton
- 2.5 ton
- 3.0 ton
- 3.5 ton
- [Diesel]
- [Gasoline]



- 109 Series
- 2.0 ton
- 2.5 ton
- 3.0 ton
- [Gasoline]





# Satisfying high workability and environmental performance required by the jobsite

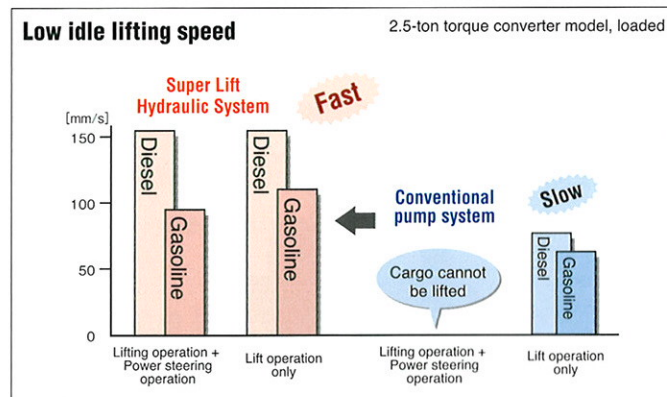
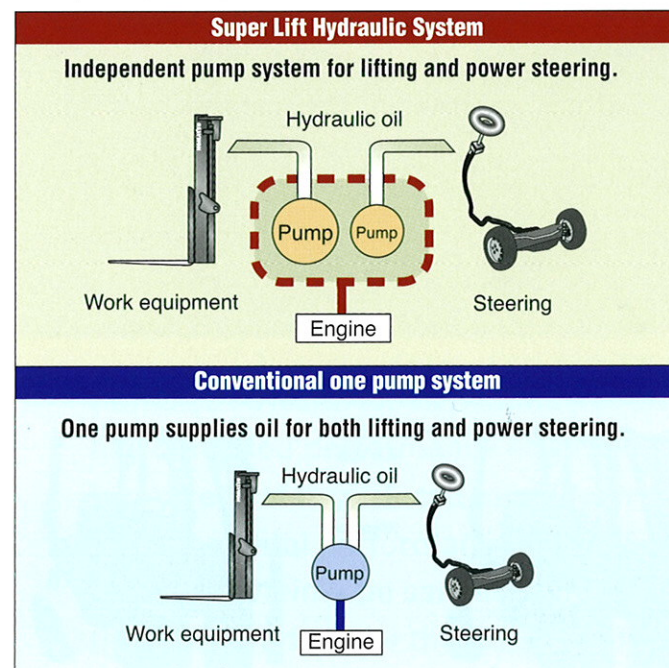


## Excellent lifting performance to speed up work

### Super Lift Hydraulic System\*

The tandem pump operates the power steering and the lifting equipment independently. Komatsu's hydraulic technology lifts the cargo at about double the lift speed of the previous model when idling. The truck also features fine adjustments for the fork position and superior operability of attachments when idling.

\*The Super Lift Hydraulic Systems available on the BX50 Series.

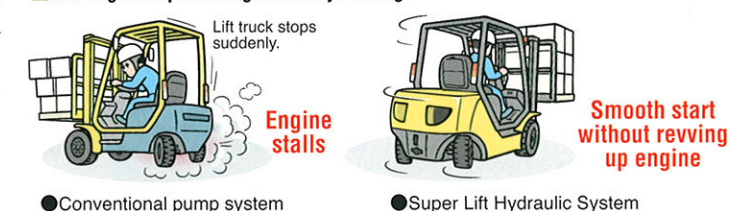


### Excellent starting performance even at a jobsite where stationary steering is often required

Super Lift Hydraulic System\* allows operator to perform stationary steering and start the truck smoothly without revving up the engine. Even in that case, the engine does not stall. This system is highly appreciated at jobsites where stationary steering is often required.

\*The Super Lift Hydraulic Systems available on the BX50 Series.

### Starting while performing stationary steering



### Komatsu Reliability

Komatsu's unique designs have further extended the life span of the truck. Both the new frame structure and changes to the mast improve durability. Improvement of the heat balance also enhances reliability during heavy operations. The meantime between failures (MTBF) has been extended by 40% plus. Maintenance and repair costs are minimized by extensive testing and quality inspections under different operating environments.

### Durability improved 40% Up

(Compared with previous model)

## Travel control as intended

### Small diameter steering wheel and fully hydrostatic power steering mechanism.

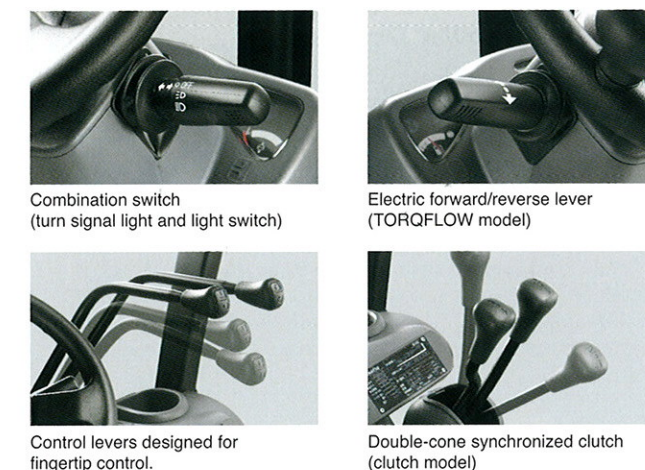
The small diameter steering wheel provides 100% stationary steering and switch backs. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces. Fluctuations during traveling have also been reduced by more than 30% to improve travel performance.



### Consideration for Comfortable Operation

Komatsu's Research and Development team considers operators. Every aspect concerning an operator's comfort and ease of use have been thoroughly studied and implemented in each design. For instance, the control indicators and levers have been ergonomically designed and arranged in accessible and visible locations.

Komatsu prides itself on developing products, which are designed to optimize both comfort and productivity.



## Pursuing environmental performance

### EPA Tier3 and EU Stage IIIA compliant diesel engines

Diesel engines that incorporate Komatsu's advanced engine technologies feature excellent environmental performance and conform to the world latest EPA Tier3 and EU Stage IIIA emission regulations.

The diesel engines mounted on the BX50 Series reduce particulate matter (PM) in the exhaust gases by 30% to reduce environmental load.

### Powerful engine with low fuel consumption

Thanks to the EPA Tier3 and EU Stage IIIA compliant engine and the Super Lift Hydraulic System\*, fuel consumption is reduced and powerful performance is realized. Fuel consumption is further improved by 8%\*2 and CO<sub>2</sub> emissions are also reduced.

\*1 The Super Lift Hydraulic Systems available on the BX50 Series.

\*2 Measurements of test conducted on Komatsu test course, comparison with FD25T-16.



## Comfort and safe design pursued thoroughly from the viewpoint of operators



### Less fatigue even after long work periods

#### Dual 'Floating' Structure

Komatsu's original suspension cab design has evolved. The wide-set front mounts and high position rear mounts allow the entire cabin to float on the chassis.

The power train floats the engine and transmission on the frame, and a universal joint is used to reduce engine and motion vibrations on the front axle.

The combined technology of both of these Komatsu designed systems further reduce the vibrations transferred to the mast, fork, steering wheel and control lever, as well as the operator's seat. Therefore, ultimately improving operator comfort and cargo safety.



#### Suspension Cab

The suspension cab design reduces travel vibrations by 30%, compared with the former truck.

#### Power Train Floating

The power train floating structure cuts operator fatigue substantially, by limiting vibrations from the operation systems.

#### New Operator's Suspension Seat

The operator's seat is equipped with an all new suspension system and remodeled cushion and damper. The improved seat design holds the operator's body firmly in place for greater comfort and less fatigue during extended operations.



- Six-step reclining backrest
- Seat cushion adjustment dial
- 170 mm slide distance backward and forward
- The retractable seat belt

#### Wide Floor and Open, Non-Slip Step



The wide, flat floor accommodates the tilt cylinder under the floor. Suspended (type) pedals are used to provide extra foot space, which significantly reduces operator fatigue. The new wide-open, non-slip step and spoon-curved fender makes getting in and out easy and safe.

### Safe design to prevent careless mistakes

#### Operator Presence Sensing System (Lifting/Traveling Interlocking Mechanism) **OPTION**

The Operator Presence Sensing System is a safety option that only allows lifting operations while traveling, when the operator is seated. The alarm is activated once the operator leaves the seat. The interlock is a double safety measure and remains activated even when the operator returns to the seat. The interlock can only be released by returning the respective levers to a safe position.

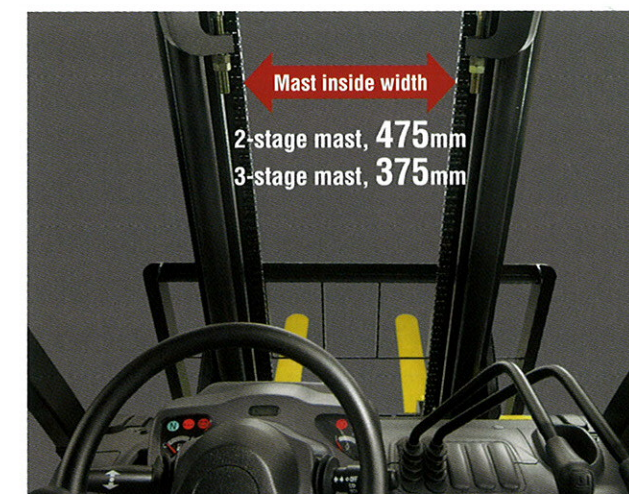
Traveling Interlocking Mechanism cuts power transmission off but does not serve to apply the brake. This mechanism is not installed on the lift truck with a clutch.



The interlock state is also indicated on the meter panel.

#### Superior Visibility

The mast rail section has been flattened and the inside width expanded for superior front visibility. With the lowered position of 3-stage mast center cylinder and the tilt stay, plus the inclined backrest, front visibility is improved, and blind spots are reduced. The BX50 Series also provides clear fork tip visibility. The size and layout of the dashboard and meter panel are optimized.



#### Easy rear confirmation

The wide-angle center mirror provides a greater sight area for safety traveling.



#### A Neutral Safety Function for Preventing a Sudden Start



Neutral indicator for at-a-glance information.

The engine cannot be started unless the F-R switch is in the neutral position.

#### Parking Brake Alarm



A double caution type brake lever Presents mishandling.

#### Safe Travel in Reverse

The upper corners of the counterweight are inclined to improve visibility. The edge of the counterweight, which is visible from the operator's seat, is designed to provide better visibility when confirming distances while reversing. The new counterweight outlets are flow-directional, which are designed to prevent hot air from blowing onto the operator while reversing. The tail pipe has also been repositioned and is now located at the lowest point of the counterweight. This improves driver comfort and prevents stains that are caused by exhaust gas.



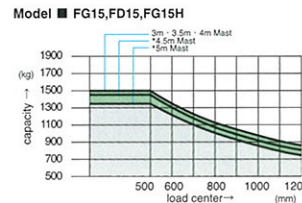
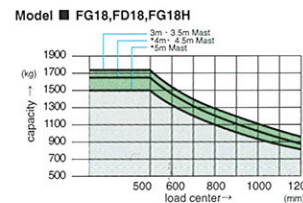
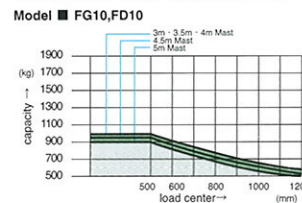


## Specifications

Characteristics	1.2	Model		Manufacturer's Designation Transmission		FG10-20 TORQFLOW[Clutch]		FD10-20 TORQFLOW[Clutch]		FG15-20 TORQFLOW[Clutch]		FD15-20 TORQFLOW[Clutch]		FG15H-20 TORQFLOW[Clutch]		FG18-20 TORQFLOW[Clutch]		FD18-20 TORQFLOW[Clutch]		FG18H-20 TORQFLOW[Clutch]		FG20-16 TORQFLOW[Clutch]		FD20-17 TORQFLOW[Clutch]		FG20H-16 TORQFLOW		FD20H-17 TORQFLOW		FG25-16 TORQFLOW[Clutch]		FD25-17 TORQFLOW[Clutch]		FG25H-16 TORQFLOW		FD25H-17 TORQFLOW		FG30-16 TORQFLOW[Clutch]		FD30-17 TORQFLOW[Clutch]		FD30H-17 TORQFLOW		FG35AT-16 TORQFLOW		FD35AT-17 TORQFLOW		FG20NT-16 TORQFLOW		FG25NT-16 TORQFLOW		FG30NT-16 TORQFLOW		
	1.3	Power Type		Electric, Diesel, Gasoline, LPG		Gasoline		Diesel		Gasoline		Diesel		Gasoline		Gasoline		Diesel		Gasoline		Gasoline		Gasoline		Diesel		Gasoline		Diesel		Gasoline		Diesel		Gasoline		Diesel		Gasoline		Diesel		Gasoline		Gasoline								
	1.4	Operation Type				Sitting		Sitting		Sitting		Sitting		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	1000		1000		1500		1500		1500		1750		1750		1750		2000		2000		2000		2500		2500		2500		2500		3000		3000		3000		3500		3500		2000		2500		3000			
	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		500		500		500		500		500							
	1.6.1	Alternative Capacity		Q2	Capacity@600mm Load Center	kg	900		900		1350		1350		1350		1570		1570		1570		1810		1810		1810		2260		2260		2260		2260		2720		2720		2720		3180		3180		1800		2250		2710			
	1.8	Load Distance		x	Front Axle Center to Fork Face	mm	400		400		405		405		405		405		405		405		460		460		460		465		465		465		465		490		490		490		505		505		430		435		440			
	1.9	Wheelbase		y		mm	1400		1400		1400		1400		1400		1400		1400		1650		1650		1650		1650		1650		1650		1650		1700		1700		1700		1700		1400		1400		1450							
	Weight	2.1	Service Weight				kg	2080[2120]		2180[2220]		2450[2490]		2550[2590]		2450[2490]		2645[2685]		2745[2785]		2645[2685]		3220[3255]		3305[3345]		3220		3305		3590[3625]		3680[3720]		3590		3680		4210[4255]		4310[4345]		4310		4910		4950		3230		3630		4070
2.2		Axle Loading		Loaded	Front	kg	2725[2760]		2760[2790]		3500[3335]		3500[3565]		3500[3335]		3870[3905]		3900[3935]		3870[3905]		4670[4705]		4710[4735]		4670		4710		5420[5455]		5475[5495]		5420		5475		6390[6425]		6435[6460]		6435		7440		7430		4600		5350		6250	
Rear					kg	355[360]		420[430]		450[455]		520[525]		450[455]		525[530]		595[600]		525[530]		550[550]		595[610]		550		595		670[670]		705[725]		670		705		820[830]		875[885]		875		970		1020		630		780		820		
Unloaded				Front	kg	1065[1100]		1095[1130]		1005[1040]		1035[1070]		1005[1040]		960[995]		990[1025]		960[995]		1480[1505]		1520[1545]		1480		1520		1430[1455]		1470[1500]		1430		1470		1600[1635]		1640[1670]		1640		1820		1810		1250		1140		1260		
2.3.1				Rear	kg	1015[1020]		1085[1090]		1445[1450]		1515[1520]		1445[1450]		1685[1690]		1755[1760]		1685[1690]		1740[1750]		1785[1800]		1740		1785		2160[2170]		2210[2220]		2160		2210		2610[2620]		2670[2675]		2670		3090		3140		1980		2490		2810		
Tyres	3.1	Tyre Type				Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		SSCT		SSCT		SSCT						
	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)		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)		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)		22 1/4x7 1/2-15.5-50		22 1/4x7 1/2-15.5-50		22 1/4x7 1/2-15.5-50					
	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)		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)		6.00-9-10PR(I)		6.00-9-10PR(I)		6.50-10-12PR(I)		6.50-10-12PR(I)		17 3/4x6 1/2-10.5-00		17 3/4x6 1/2-10.5-00		17 3/4x6 1/2-10.5-00											
	3.3	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		2x/2		2x/2		2x/2		2x/2								
	3.6	Tread, Front		b4		mm	890		890		890		890		890		890		890		890		965		965		965		965		965		965		965		1005		1005		1005		1060		1060		900		900		900			
	3.7	Tread, Rear		b3		mm	895		895		895		895		895		895		895		895		960		960		960		960		960		960		965		965		965		965		965		885		885		885					
	Dimensions	4.1	Tilting Angle		α / β	Forward/Backward	degree	6/10		6/10		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		6/10		6/10		6/10						
4.2		Mast Height, Lowered		h1	2-stage Mast	mm	1995		1995		1995		1995		1995		1995		1995		1995		1995		1995		1995		1995		1995		1995		2070		2070		2070		2100		2100		1995		1995		2070					
4.3		Std. Free Lift		h2	2-stage Std. Mast, from Ground	mm	135		135		140		140		140		140		140		140		150		150		150		155		155		155		155		160		160		160		140		145		150		155		160			
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		3000		3000		3000		3000		3000							
4.5		Mast Height, Extended		h4	2-stage Std. Mast	mm	3955		3955		3955		3955		3955		3955		3955		3955		4050		4050		4050		4050		4050		4050		4275		4275		4275		4280		4280		4050		4050		4275					
4.7		Height, Overhead Guard		h6		mm	2030		2030		2030		2030		2030		2030		2030		2030		2070		2110		2070		2110		2070		2110		2070		2110		2090		2130		2130		2105		2145		2025		2025		2025	
4.19		Length, with Std. Forks		L1		mm	2965		2965		3160		3160		3160		3200		3200		3200		3450		3450		3450		3655		3655		3655		3655		3775		3775		3775		3865		3865		3260		3475		3535			
4.20		Length, to Fork Face		L2		mm	2195		2195		2240		2240		2240		2280		2280		2280		2530		2525		2530		2525		2585		2585		2585		2580		2705		2705		2705		2790		2795		2340		2405		2465	
4.21		Width, at Tyre		b1	Single	mm	1070		1070		1070		1070		1070		1070		1070		1070		1150		1150		1150		1150		1150		1150		1150		1150		1235		1235		1235		1290		1290		1090		1090		1090	
4.22		Forks		s/e/l	Thickness x Width x Length	mm	31x100x770		31x100x770		35x100x920		35x100x920		35x100x920		35x100x920		35x100x920		35x100x920		36x122x920		36x122x920		36x122x920		36x122x920		40x122x1070		40x122x1070		40x122x1070		40x122x1070		45x122x1070		45x122x1070		45x122x1070		50x150x1070		50x150x1070		36x122x920		40x122x1070		45x122x1070	
4.23		Fork Carriage Class		ISO 2328, Type A/B/no		mm	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 2,A		Class 2,A		Class 2,A		Class 3,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		970		970		1020		1020		1020		1020		1020		1020		1020		1060		1060		1060		1060		960		960		940					
4.31		Ground Clearance		m1	Under Mast	mm	120		120		120		120		120		120		120		120		115		115		115		115		115		115		115		135		135		135		135		105		105		105					
m2				at Center of Wheelbase	mm	130		130		130		130		130		130		130		130		160		160		160		160		160		160		160		185		185		185		185		115		115		115						
4.33		Right Angle		Ast	with L1000 x W1200 pallet	mm	3315		3315		3360		3360		3360		3395		3395		3395		3650		3650		3650		3775		3775		3775		3775		3930		3930		3930		4055		3410		3555		3620					
4.34		Stacking Aisle		Ast	with L1200 x W800 pallet	mm	3515		3515		3560		3560		3560		3595		3595		3595		3850		3850		3850		3905		3905		3905		3905		4060		4060		4060		4185		4185		3610		3685		3750			
4.35		Turning Radius		Wa		mm	1915		1915		1955		1955		1955		1990		1990		1990		2190		2190		2190		2240		2240		2240		2240		2370		2370		2480		2480		1980		2050		2110					
Performance	5.1	Travel Speed (FWD)		Loaded, 1st/2nd		km/h	19.0[9.0/19.0]		19.0[8.5/19.0]		18.5[8.5/18.5]		18.5[8.5/19.0]		18.5[8.5/18.5]		18.5[8.5/18.5]		18.5[8.5/18.5]		18.5[8.5/18.5]		18.5[8.5/18.5]		19.0		18.5		18.5[8.5/18.5]		18.5[8.5/18.5]		19.0		18.5		18.5[8.5/18.5]		17.0[7.5/17.0]		18.5		18.0											

■ AX50 Series Standard Model

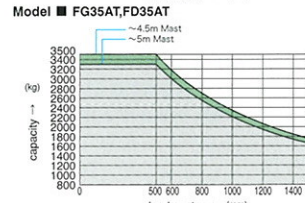
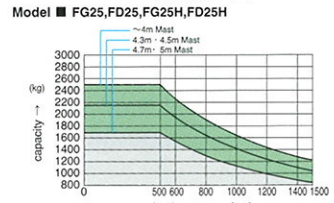
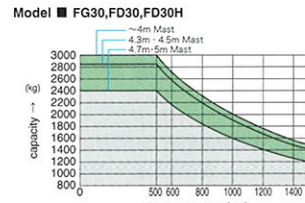
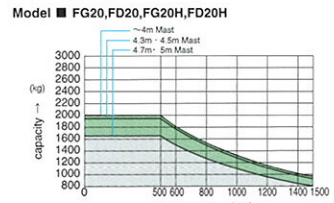
**Load capacity curve** 2-stage free view mast



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

■ BX50 Series Standard Model

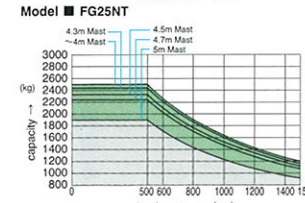
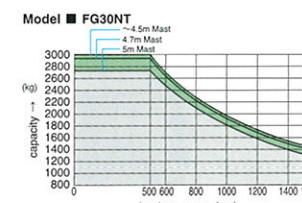
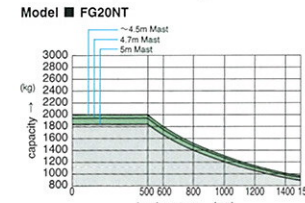
**Load capacity curve 2-stage free view mast**



Note: Load capacity at other than the 500mm load center reference only

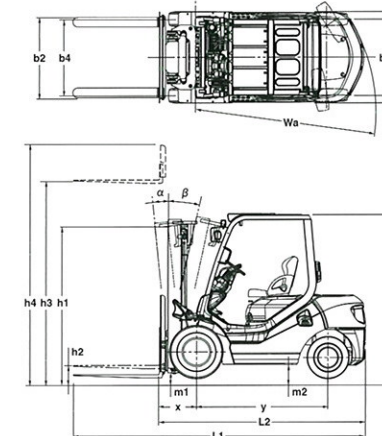
## ■ BX50 109 Series

**Load capacity curve** 2-stage free view mast



Note: Load capacity at other than the 500mm load center reference only

### ■ Dimensions





## Major equipment

● : Standard ○ : Option ◎ : Standard for BX50 — : N/A

	Vehicle type	AX50/BX50 Series					
		Standard model				109 Series	High performance model (H type)
		Gasoline		Diesel		Gasoline	Diesel
	Engine	Clutch	TORQFLOW	Clutch	TORQFLOW	TORQFLOW	TORQFLOW
	Transmission						
Driving/operation	Dual floating structure	●	●	●	●	●	●
	New operator's seat with suspension	●	●	●	●	●	●
	Small-sized steering wheel	●	●	●	●	●	●
	Tilttable 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	●	●	●	●	●	●
Meters	Paper binder	●	●	●	●	●	●
	Glove box	●	●	●	●	●	●
	Meter panel	●	●	●	●	●	●
	Hourmeter	●	●	●	●	●	●
	Engine water temperature gauge	●	●	●	●	●	●
Safety indicators	Torque converter oil temperature gauge	—	○	—	○	○	○
	Fuel gauge	●	●	●	●	●	●
	Engine oil pressure warning lamp	●	●	●	●	●	●
	Charge warning lamp	●	●	●	●	●	●
	Air cleaner element warning lamp	○	○	○	○	○	○
	Fuel level warning lamp	○	○	○	○	○	○
	Radiator cooling water level warning lamp	○	○	○	○	○	○
	Battery electrolyte level warning lamp	○	○	○	○	○	○
	Neutral indicator	●	●	●	●	●	●
	Sediment warning lamp	—	—	●	●	—	●
Electric components	Glow indicator	—	—	●	●	—	●
	Full-transistor-type IC distributor	●	●	—	—	●	—
	Alternator with built-in IC regulator	●	●	●	●	●	●
	Quick auto glow system	—	—	●	●	—	●
	Neutral safety mechanism	●	●	●	●	●	●
	Auto fuse	●	●	●	●	●	●
	Low maintenance battery	●	●	●	●	●	●
	Engine key stop mechanism	—	—	●	●	—	●
	Halogen headlight	●	●	●	●	●	●
	Rear combination light	●	●	●	●	●	●
Mechanism	Back-up buzzer	●	●	●	●	●	●
	Operator Presence Sensing System	○	○	○	○	○	○
	Auto choke	●	●	—	—	●	—
	Super Lift Hydraulic System	◎	◎	◎	◎	◎	◎
	Self-adjustment clutch	●	—	●	—	—	—
	Sedimentary with priming pump	—	—	●	●	—	●
	Cyclone air cleaner	●	●	●	●	●	●
	Parking brake with release button	●	●	●	●	●	●
	Fully hydrostatic power steering*	●	●	●	●	●	●
	Soft landing mast system	●	●	●	●	●	●
Exterior	Non-asbestos brake linings	●	●	●	●	●	●
	Non-asbestos clutch disk	●	—	●	—	—	—
	Easy replacement hydraulic oil filter	○	○	○	○	○	○
	Floor mat	●	●	●	●	●	●
	Assist grips	●	●	●	●	●	●
	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	●	●	●	●	●	●
		●	●	●	●	●	●

\*1 Steering synchronizer function is available as an option.

## 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.



#### Swing-down Bracket (optional for the LPG truck)

The LPG cylinder is easily installed and removed in a lower position with minimal effort. In addition to the normal counterweight, this is also applicable for both the 2.5t and 3t trucks with sunken counterweights.

●The sunken counterweight\* specification truck with an expanded rear view area. By lowering the position of the LPG cylinder, installation and removal is easier, and permits a wider rear view area for greater reversing safety.



### Dust Proof Specification

This truck is reliable for the handling of powdered products such as concrete, secondary products, ceramics and flour millings, or for operations in similar dusty conditions.

### Fishery Specification

Waterproofing, sealing, and anticorrosion coatings significantly improve the durability of the exterior, parts, and the brake system under salt-water conditions.

## 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.

#### Protective Resin Head Guard Cover

The resin cover resists stains and provides protection from the rain.

#### Digital Load Checker

Loads are measured and displayed in 10 kg units.

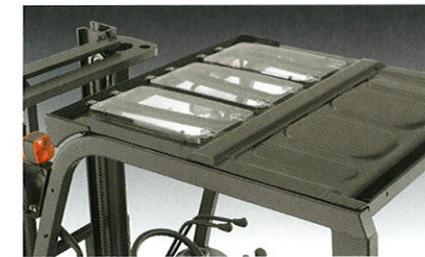
#### Operator Presence Sensing System

#### Easy-Replacement Oil Filter

This simple design enables easier and timely maintenance.

#### Mast Tilt Angle Meter

The pointer on the meter indicates the mast tilt angle. Once the mast reaches a preset angle, the lamp will light. When there is no load on the lift, the Auto Stop Function stops the tilt operation once the mast reaches the preset position. This is especially convenient for loading operations on inclined surfaces.



#### Engine and Operation Equipment

- Three-Way Catalytic System for Gasoline and LPG Trucks
- Spark arrester
- Upward exhaust pipe
- Radiator screen
- Large capacity alternator (for the diesel truck only)
- Pre-cleaner

#### Exterior parts

- Tilt cylinder boots
- Power steering cylinder boots
- Fuelcap with key
- Fire extinguisher

#### Electrical Equipment

- Yellow strobe light
- Red strobe light
- Rear working light
- Front working light
- Back-up chime

#### Meters and Gauges

- Torque converter oil temperature gauge
- Ammeter
- Speedometer (with alarm)
- Mast tilt angle meter
- Traveling speed limiter
- Fork positioning sensor

#### Tyres

- Color tyres

\*except for the 109 Series

## 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.