

# KOMATSU

**Diesel and LPG Forklift Trucks**

from 1.5 to 3.5 tons

# AX50 BX50







# AX50

	Fuel	Rated Capacity kg @ 500 mm	Engine Name	N° Cylinder Displacement	Power	Torque
<b>FG15HT-20</b>	LPG	1.500	K 21	4 - 2.065 cc	35 kW	152 Nm
<b>FG18HT-20</b>		1.750				
<b>FD15T-20</b>	DIESEL	1.500	4D92E	4 - 2.659 cc	35 kW	142 Nm
<b>FD18T-20</b>		1.750				



# BX50

	Fuel	Rated Capacity kg @ 500 mm	Engine Name	N° Cylinder Displacement	Power	Torque
<b>FG20HT-16R</b>	LPG	2.000	K 25	4 - 2.488 cc	43 kW	186 Nm
<b>FG25HT-16R</b>		2.500				
<b>FG30T-16R</b>		3.000				
<b>FG35AT-16R</b>		3.500				
<b>FD20T-16R</b>	DIESEL	2.000	4D94LE	4 - 3.052 cc	46 kW	186 Nm
<b>FD25T-16R</b>		2.500				
<b>FD30T-16R</b>		3.000	4D98E	4 - 3.318 cc	53 kW	216 Nm
<b>FD35AT-16R</b>		3.500				

## AX50 and BX50 are trucks to be proud of

After years of research and testing, Komatsu Forklift is pleased to introduce the state-of-the-art in forklift trucks to the market. While these trucks have been engineered for their high performance and unbeatable strength in heavy-duty applications, they also boast an attractive, modern design to provide the maximum level of operator comfort, this being the key element to the profitability of your warehousing operations. Comfort, productivity, high performance with low maintenance are the winning factors of the AX50 and BX50 product line, besides its legendary reliability which has always been the foundation of the Komatsu Forklift brand.

double your **SATISFACTION...**

... by choosing the

**AX50 & BX50**

**new!**

**AX50**

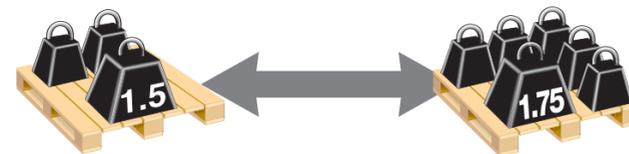
**BX50**



BX50 - 35A

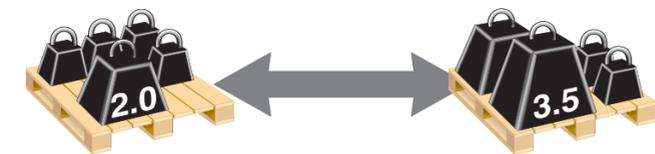
CX - 35Z

FROM 1.5 TO 1.75 TONS



500 mm

FROM 2.0 TO 3.5 TONS



500 mm



**KOMATSU**

# AX50 & BX50

from 1.5 to 3.5 tons

## your COMFORT...

### Perfect design

The new design introduced by Komatsu Forklift is the result of years of research and study to meet the needs of a global network of operators and managers. Komatsu Forklift is now offering the market a truck that has been specifically

designed for European operators and which is unrivalled in terms of comfort, technology, the attention to detail and the quality of the materials.

### High level of visibility at the front and New Integrated Sideshifter

The newly designed masts greatly increase visibility of the forks and the surroundings due to the new internal tilt cylinder support, the longer mast section, the load backrest with angled section and the lower free lift cylinder. The optional integrated sideshifter improves residual capacity and productivity.

### Cabs, take your pick

Choice of rigid or PVC doors, optional heater, Komatsu has a wide range of cabs to meet all European needs. The rear and side windows are divided into two sections both of which can slide open and closed. The operator can remove the rigid doors and the roof when the temperature rises, and the engine can be accessed and maintained without removing the seat.



### Maximum protection, visibility and livability

The roof is closed at the back and open at the front, providing optimal visibility and protection for the operator. Taking into account the average height of Europeans, the distance between the seat and the roof has been increased by 40 mm with respect to the previous series. The roof is completely welded and optional plastic safety guards protect the operator from rain, while the cab's "Butterfly Profile" design allows it to be rapidly assembled to European specifications.

## ... your AX50 & BX50

### Operator cab comfort



What does an operator feel after driving an AX50 or a BX50? Comfort and satisfaction are undoubtedly the two key words: the distance between the steering wheel and the seat is 375 mm, the display is easy to read and use, the redesigned multifunctional and hydraulic levers are ergonomic and the truck can perform stacking operations using one pedal only.

### Ingenious counterweight



Reversing has never been so easy! The upper corner of the counterweight is inclined at a greater angle to provide optimum visibility, while the shape of the ventilation holes prevents hot air from blowing into the operator.

### Easy access and space for the feet

The operator has easier and safer access to the truck thanks to a step that is 135 mm wider and a flat spacious floor due to the relocation of the tilt cylinders.



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# AX50 & BX50

from 1.5 to 3.5 tons

*your PRODUCTIVITY...  
... your AX50 & BX50*



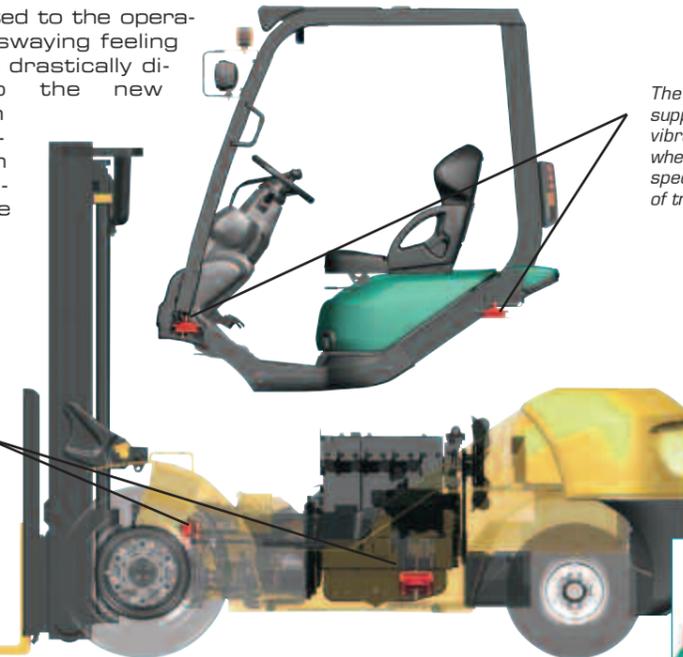
## COMFORT IS SYNONYMOUS WITH EFFICIENCY THE PLEASURE OF DRIVING

Komatsu Forklift has always believed that operator comfort is a key element in the productivity level of the warehouse, which is why it has introduced the revolutionary and unique "Dual floating structure", a comfortable, shock-absorbed seat and a smaller steering wheel due to the installation of the new KAPS III with wheel alignment system.

### Dual floating structure: Unique in the Market!

Vibrations transmitted to the operator's back and the swaying feeling when cornering are drastically diminished due to the new engine/transmission unit suspension system and the location of the spring supports between the cab and the frame.

The transmission unit floats on three points and reduces operator fatigue while increasing overall reliability.



The cab is suspended on spring supports that reduce the ground vibrations transmitted from the wheels by more than 30% with respect to the previous generation of trucks.

The new seat is an integral part of the system: it is bigger, and equipped with shock absorbers, reclines to the desired position and allows the hood to be opened without removing the LPG cylinder.

### KAPS III

KAPS III is the revolutionary power steering system with a sensor to align the wheels in accordance with the position of the steering wheel. This greatly reduces hydraulic drift over long drives and has allowed us to reduce the diameter of the steering wheel to 300 mm, rendering the truck much more agile in all working environments.



AX50/BX50 300 mm

AX20/BX20 360 mm



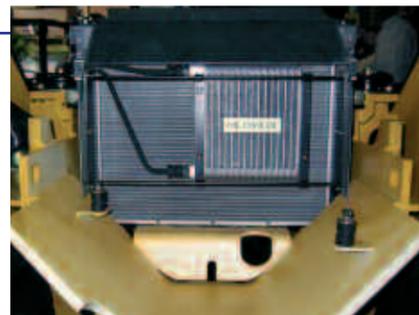
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*your PERFORMANCE...  
... your AX50 & BX50*



### Exceptional Cooling

The cooling capacity of the torque converter is 7 times greater than the previous model, the transmission box is in aluminum alloy to promote the dissipation of heat and the radiator housing has been specifically designed to prevent the hood from overheating by channeling the air outside.

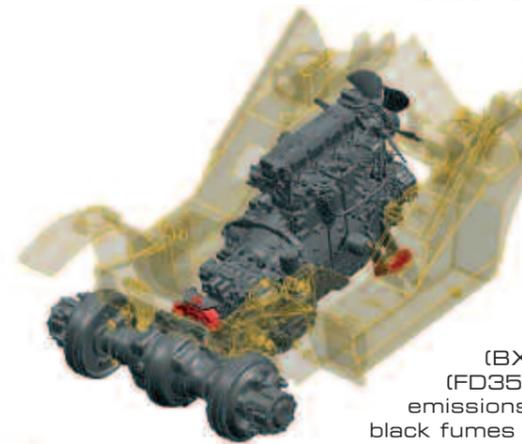


## HIGH PERFORMANCE FOR A TRUCK AT THE TOP

### HEAVY DUTY APPLICATIONS: OUR STANDARD!

Heavy duty applications thanks to the new cooling system, working in narrow spaces where the KAPS III system ensures agility and dexterity, intensive work shifts where high performance and speedy lifting are essential... high performance always!

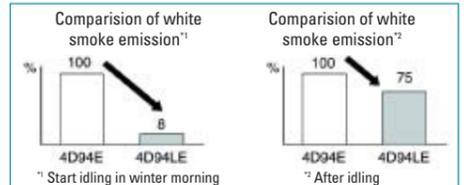
### Redesigned Transmission and Powerful, Clean Engines



The redesigned transmission featuring a front axle equipped with a universal joint can handle the powerful torque provided by the new Diesel and LPG engines.

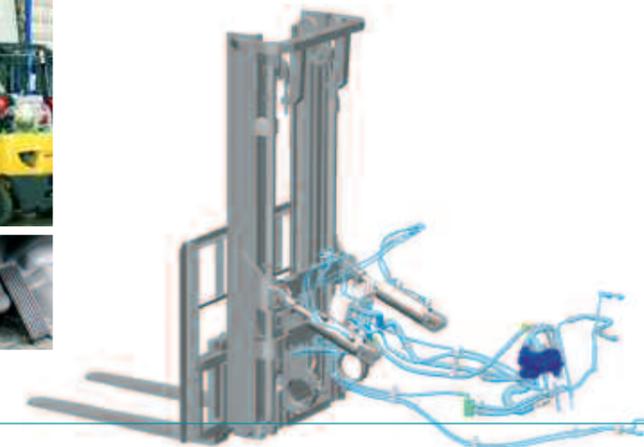
The LPG models are equipped with new K21 (AX50) and K25 (BX50) engines with low fuel consumption and high torque at low revolutions for gentle, quiet driving.

The redesigned Diesel 4D92E (AX50), 4D94LE (BX50 2.0/3.0) and 4D98E (FD35AT) engines meet European emissions requirements and reduce black fumes during operation and white fumes when switching on in cold climates.



### Gentle steering and SLHS

Stocking operations are made easy and precise. The new transmission control logic, which allows the truck to move very slowly when the inching pedal is released, and the "Super Lift Hydraulic System" (BX50 only) based on a tandem pump that feeds the lift and KAPS III systems separately, allow the operator to position the load without touching the accelerator and thus reducing energy consumption and noise.



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*your SAFETY...*  
*... your AX50 & BX50*



## SAFE USE

### ACTIVE AND PASSIVE SAFETY IN ALL SITUATIONS

The leading manufacturer in Europe, Komatsu Forklift has made the passive safety device required by ISO3691 a standard feature on its trucks. The device is a sensor that detects the presence of the operator in the seat and locks out most functions and disconnects the transmission if the operator is absent (see photo at left).

Komatsu Forklift feels that safety depends mainly on the operator and the correct use of the forklift truck. The operator must be instructed on how to maximize his productivity but always in compliance with safety requirements and the surrounding environment. With this concept in mind, Komatsu has invested in maximizing the surrounding visibility and easy legibility and operation of the controls to reduce distractions and mistakes.

#### Excellent visibility

The rearview mirror, a standard feature in this product line, is centrally positioned and rounded to provide excellent visibility even at the far edges. The shape of the masts maximizes visibility at the front, while the counterweight helps to identify obstacles while steering.



#### Hand brake

A buzzer will alert the operator if he climbs out of the truck without applying the parking brake, thus avoiding unexpected movements of the truck.



#### ISO:3691

##### Operator not on board yellow warning light

The seat is equipped with a sensor that places the transmission in the neutral position and locks out all lift and tilt functions by means of an electro valve if it has not detected the presence of the operator for more than 3 seconds. A yellow warning light flashing on the display also alerts the operator.



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## your PRACTICALITY... ... your AX50 & BX50

### Simplified maintenance due to ease of access

Technicians and operators can very easily access the consumable parts and level indicators. For example, the level of brake fluid can be checked by simply lifting a cover to the left of the steering wheel and it takes only a few seconds to lift the engine hood and remove the floor to access the transmission and hydraulic valve units.



### Details that make the difference

The lower part of the frame has been sealed by two sheet metal plates covered in soft rubber. This is to reduce the suctioning of dust and paper into the machine and clogging the radiator, which is the bane of all warehouse operators.

### Universal joint

The universal joint not only reduces vibrations but it also simplifies maintenance. The torque converter can now be easily removed without disassembling the front axle.



### New hood

The truck has been designed with easy maintenance in mind, starting with the hood that is simple to open without interfering with the steering wheel and is supported by preloaded cylinders. The hood has also been sealed with a new weatherproof coating.



### Newly Designed Electrical System

The new electrical system is equipped with the latest generation of waterproof connections and a single wiring harness leading from the fuse box located near the battery to simplify all inspection and maintenance operations.



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# KOMATSU has one SOLUTION for the numerous REQUIREMENTS

The AX50 and BX50 are agile and suitable for any type of environment.

Indoors, where high performance, comfort and compactness are essential, and outdoors in challenging conditions that require maximum flexibility and power.

Trucks suitable for working in any environment due to the safety devices under the frame to reduce the suctioning of paper



Maximum visibility in all situations with any type of load thanks to the quality of the masts and integrated sideshifter



Excellent visibility when reversing due to the rounded design of the counterweight



AX50 e BX50: Reliable partner for any type of application

The perfect truck for heavy duty applications thanks to a high performance cooling system



Agile in narrow spaces due to the smaller steering wheel and the KAPS III system



Accurate and agile even with dual tires



Waterproof design. The plastic parts are shaped to shed water while the electrical connections are all waterproof. The levers and controls are all amply protected with special trim seals



Integrated sideshifter to maximize productivity and minimize stress



Optimum weight distribution for operating on soft ground



Handling cumbersome and dangerous loads is not a problem due to the gentle and easy movement of the truck

Customer service



Parts



Quality



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