

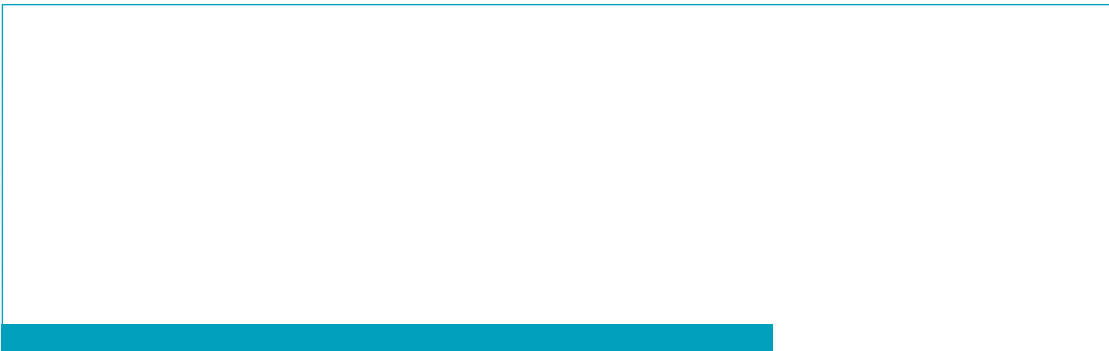
Part Number. PKBI017EN

The illustrations do not necessarily show the standard version and features of the equipment.

Features and specifications may vary by country and region.

Products and specifications are subject to change without prior notice.

Please contact your Komatsu dealer for detail information.



# EX20 SERIES

10 TO 16 TON



**Diesel Pneumatic-Tyre Trucks**

# EX20 SERIES

10 TO 16 TON

10T/11.5T/13.5T/15T/16T  
DIESEL PNEUMATIC TYRED TRUCKS  
EX20 SERIES

## EVEN TOUGHER AND FASTER KOMATSU EX20 SERIES MAKES A SUPERB DEBUT

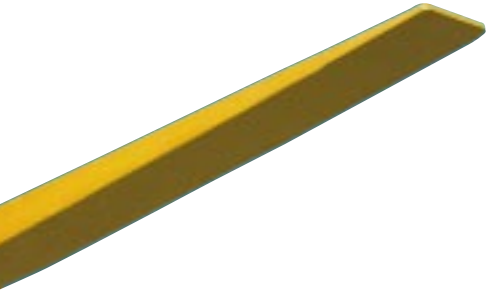
Incomparable power that assures easy operation. Dedicated durability for efficient and reliable operation. Developed with Komatsu's industry leading technology from the choice of a dependable engine right down to a simple switch the EX20 series represents the epitomy in the creative evolution of forklift truck design.

Photographs in this catalogue may show machines fitted with optional equipment





## EX20's OUTSTANDING POWER AND SPEED



### POWER

**A clean quiet, direct injection diesel engine that boasts the highest power and torque in its class**

The EX20 series fit a 6BG1T direct-injection diesel engine, compliant with strict "EPA Tier 2/EU Stage II" engine emission regulations, to produce a "top-of-class" rated output of 119kW (160HP)

### MANOEUVRABILITY

**Exceptionally high travel speeds are achieved from a 3 speed hydraulic transmission selected by an electrically controlled forward/reverse lever (A fully automatic transmission is available as an option)**

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**Full hydraulic braking responsive to brake pedal operation**

A fully hydraulic braking system ensures safe and reliable operation under any working condition. The accumulator provides ample braking performance even if the engine stalls.

**Top-of-class rated lift speeds ensure fast and efficient operation**

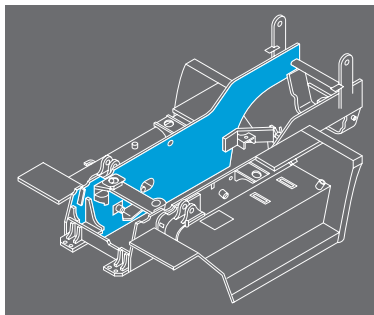
A top-of-class lift speed is achieved both laden and unladen by way of a particularly efficient large capacity tandem hydraulic pump (standard on 10t to 16t models) and by a load sensing valve fitted in the new hydraulic circuit.

Lift Speed	Rated Output	Maximum Torque	Acceleration Performance	Max Travel Speed	Maximum Gradability
Laden/FD100 <b>470</b> mm/s	SAE gross <b>119</b> kW@2200min <sup>-1</sup>	SAE gross <b>540</b> N-m@1600min <sup>-1</sup>	FD100 <b>6.2S</b> (0 to 20 meters)	Unladen in 3rd Gear/FD100 <b>32</b> km/h	Laden/FD100 <b>38</b> %

### STRENGTH

**A highly rigid chassis providing enhanced durability and load handling performance**

The high strength chassis with a one piece main frame manufactured from formed steel plate provides maximum rigidity preventing any flexion caused by stressors applicable to static steering, severe turning and poor uneven road conditions. All of which contribute to excellent load handling and durability.



### MAXIMISE YOUR WORKING EFFICIENCY



**Highly rigid mast construction to ensure operational reliability**

Rolled steel outer mast sections, high strength bracketry and truck components all contribute to overall high strength and durability.

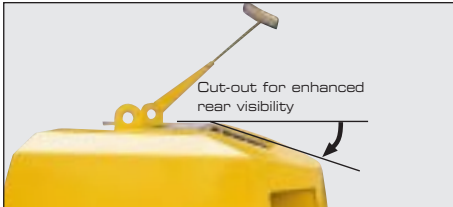


**KOMATSU**

# EX20 SERIES

10 TO 16 TON

## KOMATSU'S OPERATOR - FRIENDLY DESIGN PROVIDES OPTIMUM VISIBILITY, MAXIMUM OPERATOR COMFORT AND EXCELLENT MANOEUVRABILITY



### VISIBILITY

**Greatly enhanced front/rear visibility due to careful design of the counterweight and the freeview between the mast uprights**

Improvement in the counterweight design improves greatly what is normally restricted rearward visibility. Furthermore the location of the lift chains to the outside of the mast ensures a free view of 642mm (25.3") between the mast sections (FD100). Thus providing excellent forward visibility and safe operation.

Inner width of the mast  
(IFD100 2 stage Freeview mast)  
**642mm**



Hydraulic Suspension Cab Mount

### COMFORT

**Komatsu's original Hydraulic Suspension Cab (HSC) mount provides the ultimate in operator comfort even during extended operation**

Komatsu's original HSC mount system suspends the operator's cab from the chassis by a hydraulic suspension mount absorbing travel vibration and therefore helping to reduce operator fatigue.

Sound insulating, low noise design,  
ambient and operator friendly

**72dB[A]**  
(during low idle)



### New operators semi suspension seat

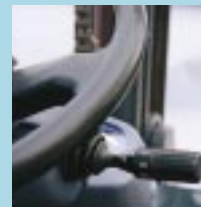
The modern seat design features comfort and support reducing operator fatigue over extended periods. A retractable seat belt is fitted to offer increased security.



**Full instrumentation console for safe operation**



**Tiltable Steering wheel for operator comfort**



**Combination lighting and direction indicator switch with auto-cancel**





## SERVICEABILITY

**Hi Capacity fuel tank to reduce refuelling time and easy-to-see inspection windows for both fuel and hydraulic oil levels**

A large-capacity tank reduces fueling frequency and enables extended non-stop operation. Easy-to-see inspection windows, mounted on both the fuel and oil tanks, permit reliable checking of oil and fuel levels as well as the degree of oil contamination.

Fuel Tank

(FD100·FD115)

(FD135·FD150E·FD160E)

260L

280L



**Air cleaner with automatic dust ejector to prolong replacement cycle**

This air cleaner automatically exhausts air-borne dust to reduce clogging of the filter element, thus enhancing suction efficiency and prolonging the element's replacement cycle.



**High serviceability non bolted floor plates and side covers**  
**Quick and easy opening engine bonnet**



**Reserve tank for maintaining Engine coolant at a constant level (thus eliminating troublesome refilling)**



**KOMATSU**

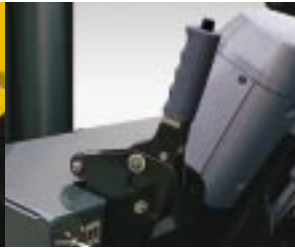
[WWW.KOMATSUFORKLIFT.NET](http://WWW.KOMATSUFORKLIFT.NET)

# EX20 SERIES

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Grid Step



Ratchet Handbrake



Head guard with front/rear gutters



Gas Strut Bonnet Stay

## STANDARD EQUIPMENT

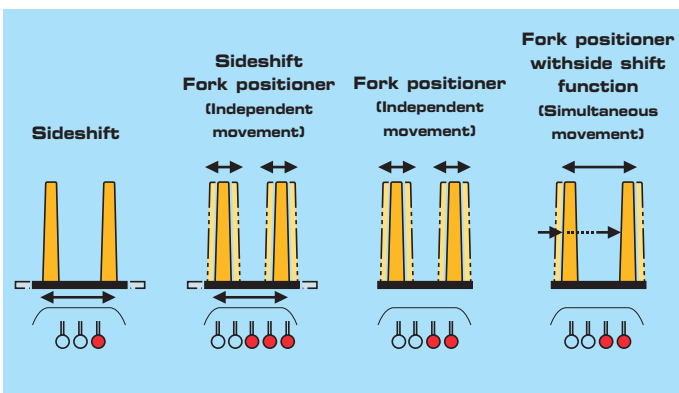
- ▣ Headlights
- ▣ Direction Indicators
- ▣ Battery Discharge Warning Lamp
- ▣ Safety checker
- ▣ Hourmeter
- ▣ Fuel gauge
- ▣ Torque converter oil temperature gauge
- ▣ Water temperature gauge
- ▣ Neutral safety switch
- ▣ Brake oil pressure warning buzzer
- ▣ Engine key stop
- ▣ Torque converter oil cooler
- ▣ Tilttable steering column
- ▣ Hydraulic power brake
- ▣ Horn
- ▣ Overhead guard
- ▣ Drawbar pin
- ▣ Cyclonic air cleaner
- ▣ Ratchet Handbrake

## OPTIONS

- ▣ UL Specification
- ▣ Cold Store Specification - 30degrees
- ▣ Rear Worklight
- ▣ Load indicator
- ▣ Special length forks
- ▣ Extension forks
- ▣ Air cleaner with pre-cleaner
- ▣ Spark arrester
- ▣ Reverse Alarm
- ▣ Rear view mirror
- ▣ Rear under mirror
- ▣ Full Steel Cab
- ▣ High Mounted Full Steel Cab
- ▣ Air Conditioning
- ▣ Heater
- ▣ Rotating seat
- ▣ Reclining seat, with seat height adjuster
- ▣ Air Brakes
- ▣ Oil immersed Brakes



Enhancing forward visibility for smooth fork positioning



## ATTACHMENTS

- ▣ Sideshift
- ▣ Sideshift & Fork Positioner (Independent Movement)
- ▣ Fork Positioner (Independent Movement)
- ▣ Sideshift & Fork Positioner (Simultaneous Movement)
- ▣ Rotator
- ▣ Hindged Forks
- ▣ Boom
- ▣ Jib
- ▣ Pole carrier fork
- ▣ Furnace charger
- ▣ Tyre handler

**WIDE VARIETY  
OF ATTACHMENTS  
& OPTIONS TO MEET  
ALL LIKELY WORK  
AND ENVIROMENTAL  
REQUIREMENTS**



## **FULL STEEL CABS**

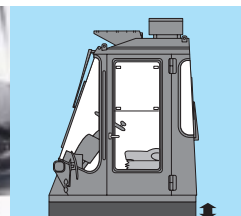
- Glazed front, side and rear for maximum visibility
- Quick -release door handle
- Air conditioning unit mounted inside cab roof for maximum space
- Optional higher mounted cab offering an elevated view



Optional additional front lighting and Air Conditioning



Air conditioner



Driver's seat 350mm

High-mount cabin



**KOMATSU**