

KOMATSU®

HB365LC-3

Tier 4 Final Engine

Hybrid

HYBRID HYDRAULIC EXCAVATOR



Photos may include optional equipment.

NET HORSEPOWER

269 HP @ 1950 rpm
201 kW @ 1950 rpm

OPERATING WEIGHT

81,791–85,495 lb
37180–38780 kg

BUCKET CAPACITY

0.89–2.56 yd³
0.68–1.96 m³

HB365LC

WALK-AROUND

HB365LC-3



Photos may include optional equipment.

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OPERATING WEIGHT

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0.89–2.56 yd³
0.68–1.96 m³



HIGH PRODUCTION & LOW FUEL CONSUMPTION

Hybrid excavator technology provides fast and responsive swing. When swinging, all available hydraulic power is sent to boom, arm and bucket for improved cycle time and high production.

The Hybrid energy conservation system combined with Tier 4 Final technology provides up to 20% fuel savings compared to the non-hybrid excavator design.



A powerful Komatsu SAA6D114E-6 engine provides a net output of 201 kW **269 HP**. This engine is EPA Tier 4 Final emissions certified.

Temperature controlled fan clutch helps improve fuel efficiency and lower sound levels.

An ultra low idle speed and Komatsu hybrid technology work together to help reduce fuel consumption up to 20%.

DEF (Diesel Exhaust Fluid) tank and pump are separated and located for easy service access. DEF system components are heated for operation in cold temperatures.

Variable Geometry Turbocharger (VGT) uses a hydraulic actuator to provide optimum air flow under all speed and load conditions.

Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) system reduce particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Large displacement high efficiency pumps helps provide high flow output at lower engine speed, improving efficiency.

Electrically Driven Swing Motor powered by a Komatsu Ultra Capacitor provides high swing power and speed allowing oil flow, which would be used for swing, to be dedicated to the boom, arm, and bucket functions.

Engine driven generator charges the Komatsu ultra capacitor when required and can function as an electric motor to assist in engine response from ultra low idle.

Six working modes are designed to match engine speed, pump delivery and system pressure to a wide variety of applications.

Two boom mode settings provide power mode for maximum digging force or smooth mode for fine grading operations.

Komatsu's Closed Center Load Sensing (CLSS) hydraulic system provides quick response and smooth operation to maximize productivity.

KOMTRAX®

The KOMTRAX® telematics system is standard on Komatsu equipment with no subscription-fee's throughout the life of the machine. Using the latest wireless technology, KOMTRAX® transmits valuable information such as location, utilization, and maintenance records to a PC or smartphone app. Custom machine reports are provided for identifying machine efficiency and operating trends. KOMTRAX® also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

Large LCD color monitor:

- 7" high resolution display
- Provides "Ecology Guidance" for fuel efficient operation
- Enhanced attachment control

Peace of Mind

The hybrid power train is covered by a 5 year / 7,000 hour warranty.

Rearview monitoring system (standard) displays video of area behind the machine together with machine gauges on the large LCD monitor panel.

Enhanced working environment

- High back, heated air suspension operator seat with adjustable armrests
- Climate control system automatically adjusts heating and cooling for comfortable operator environment.
- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)
- Standard pattern change valve to switch from ISO to BH control pattern
- Aux jack and (2) 12V power outlets

Komatsu designed and manufactured components

Handrails (standard) located on the machine upper structure provide a convenient work area in front of the engine.

Battery disconnect switch allows a technician to disconnect the power supply before servicing the machine.

Heavy duty boom design with large one piece castings provide increased strength and durability.

Komatsu Auto Idle and Auto Idle Shutdown systems helps reduce nonproductive engine idle time and reduces operating costs.

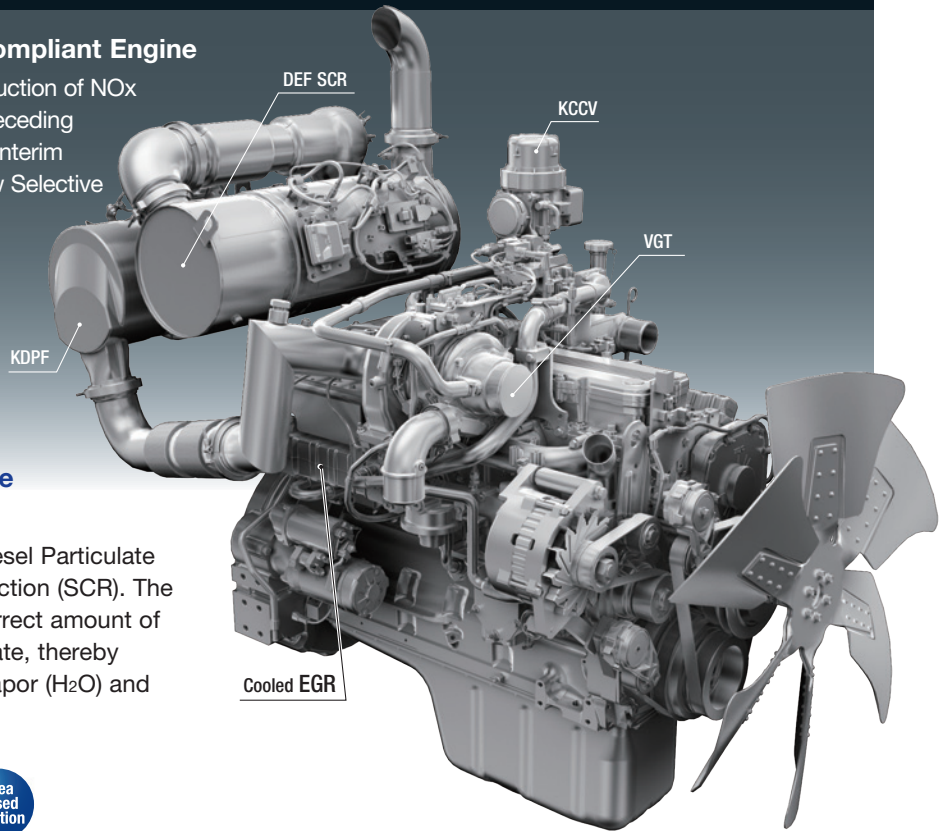
Operator Identification System scan track key machine operation and application information for up to 100 individual ID codes and provide information through KOMTRAX®.

PERFORMANCE FEATURES

KOMATSU ENGINE TECHNOLOGIES

Komatsu's Emission Regulations-compliant Engine

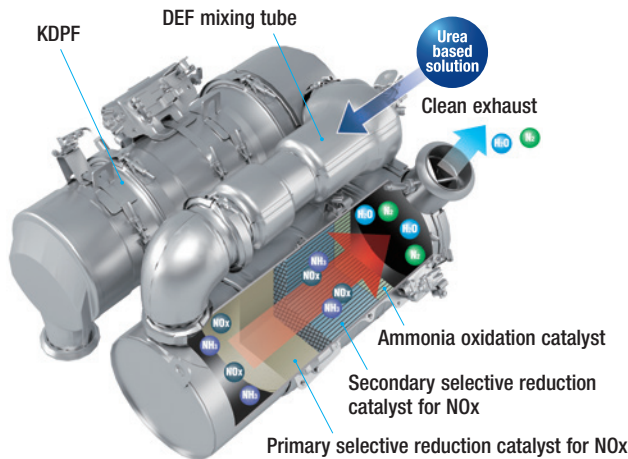
Regulations effective in 2014 require the reduction of NOx emissions to one tenth or below from the preceding regulations. In addition to refining the Tier 4 Interim technologies, Komatsu has developed a new Selective Catalytic Reduction (SCR) device in-house.



Technologies Applied to New Engine

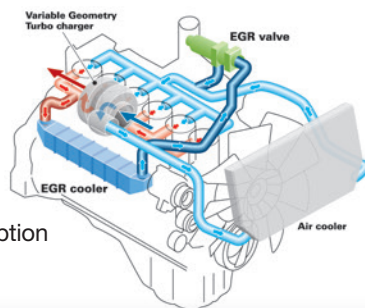
Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H₂O) and nitrogen gas (N₂).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures, thereby reducing NOx emissions. EGR gas flow has been decreased for Tier 4 Final with the addition of SCR technology. The system achieves a dynamic reduction of NOx, while helping reduce fuel consumption below Tier 4 Interim levels.

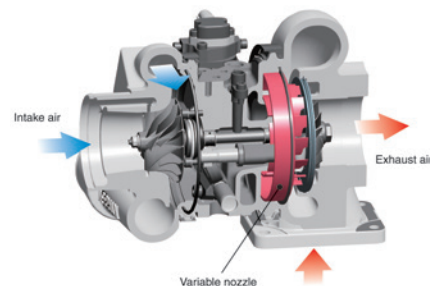


Advanced Electronic Control System

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle providing total control of equipment in all conditions of use. Engine condition information is displayed via an on-board network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX helps customers keep up with required maintenance.

Variable Geometry Turbocharger (VGT) system

The VGT system features proven Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version provides better exhaust temperature management.



HB365LG-3

Komatsu Auto Idle

Komatsu auto idle automatically reduces engine RPM after 4 seconds of work equipment inactivity to reduce unnecessary fuel consumption and exhaust emissions.

Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.

Working Modes Selectable

Ecology Guidance

Ecology Gauge & Fuel Consumption Gauge

Idling Caution

Increased Work Efficiency

Large digging force

With the one-touch Power Max. function, digging force is increased for 8.5 seconds of operation.

Maximum arm crowd force (ISO 6015)

160 kN(16.3t) ➔ **171 kN(17.4t) 7% UP**
(With Power Max.)

Maximum bucket digging force (ISO 6015)

212 kN(21.6t) ➔ **227 kN(23.1t) 7% UP**
(With Power Max.)

Measured with Power Max. function, 3185 mm arm and ISO 6015 rating

Faster arm cycle speeds

Two return hoses improve arm cylinder hydraulic flow for faster arm out performance.

Two-mode settings for boom

- Smooth boom mode reduces boom down force for working on hard surfaces or for hydraulic hammer operation.
- Power boom mode maximizes digging force for more effective excavating

Lifting mode

When the Lifting mode is selected, lifting capacity is increased 7% by raising hydraulic pressure.



PERFORMANCE FEATURES

HB365LC-3

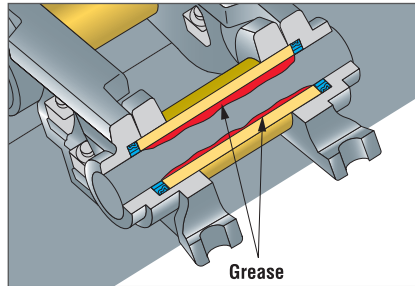
Drawbar Pull

The Komatsu designed final drives and undercarriage provide high drawbar pull for good maneuverability and performance when working on adverse grades or soft ground.



Grease Sealed Track

The HB365LC-3 uses grease sealed tracks for extended undercarriage life.



Large Displacement High Efficiency Pump

Large displacement hydraulic implement pumps provide high flow output at lower engine RPM as well as operation at the most efficient engine speed.



Working Mode Selection

The HB365LC-3 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Power Mode provides improved hydraulic power and faster cycle times for improved performance in demanding applications. Each mode is designed to match engine speed, pump flow, and system pressure to the application. The HB365LC-3 features an attachment mode (ATT/E) that allows operators to run attachments while in Economy mode.

| Working Mode | Application | Advantage |
|--------------|-------------------------------|---|
| P | Power Mode | •Maximum production, power & multifunction |
| E | Economy Mode | •Good cycle times with reduced fuel consumption |
| L | Lifting Mode/ Fine Control | •Increased lifting power & fine control |
| B | Breaker Mode | •One way flow for hydraulic breaker operation |
| ATT/P | Attachment Power Mode | •Two way flow with maximum power |
| ATT/E | Attachment Economy Mode | •Two way flow with most efficient fuel economy |

P Performance priority
P mode

E Fuel savings priority
E mode

L Lifting operation
L mode

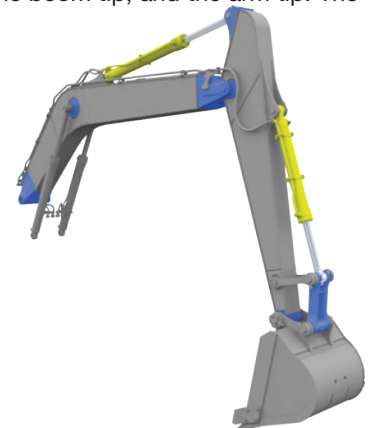
B One way flow breaker operation
B mode

ATT/P Two way flow attachment – Power
ATT/P mode

ATT/E Two way flow attachment – Economy
ATT/E mode

High Rigidity Work Equipment

Booms and arms are constructed with thick plates of high tensile strength steel. In addition, these structures are designed with large cross sectional areas and large one piece castings in the boom foot, the boom tip, and the arm tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress. A standard HD boom design provides increased strength and reliability.



HYBRID TECHNOLOGY

KOMATSU HYBRID SYSTEM

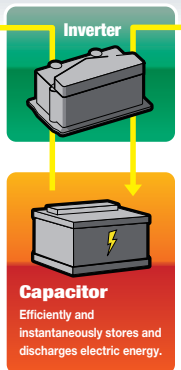
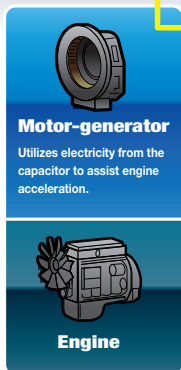
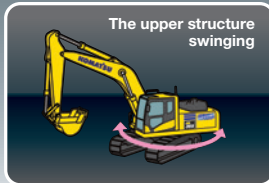
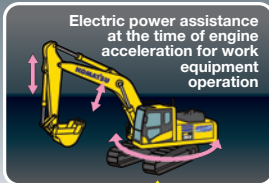
Reliable and Durable Hybrid Components Developed and Manufactured by Komatsu

The unique Komatsu hybrid system uses an electric swing motor-generator to capture and regenerate swing energy as the upper structure slows down and converts it into electric energy. The regenerated energy is stored in a high performance capacitor and used to provide power to the swing motor when swinging. The capacitor also powers an engine mounted motor-generator to assist the engine when it needs to accelerate. The hybrid system reduces fuel consumption significantly. Most components of the system are developed and manufactured by Komatsu.

*: Except capacitor cells



- ① Motor-generator
- ② Electric swing motor-generator
- ③ Inverter and capacitor

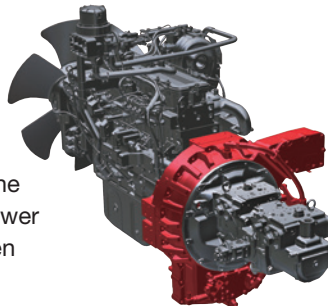


Ultra Capacitor Assembly

The ultra-capacitor assembly includes an inverter that switches the AC electricity from the generator motor and swing motor into DC electricity for storage in the capacitor. Since capacitors require migration of electrons and ions for charging and discharging, they can transfer power much faster than batteries, which use chemical reactions to produce electricity. The industrial quality designed inverter and capacitor provide long service life, and require no periodic maintenance.

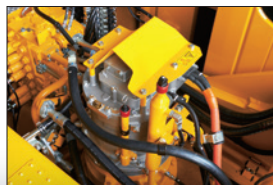
Motor-generator

A motor-generator is positioned between the engine and hydraulic pumps to assist in rapid engine response from ultra low idle when required. The generator produces electric power and charges the capacitor when required.



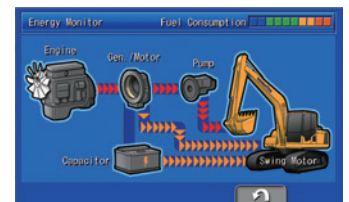
Electric swing motor-generator

An electric swing motor-generator recovers energy during swing braking. The motor-generator also accelerates the swing of the upper structure more efficiently than a conventional hydraulic motor and provides excellent swing performance. Dedicated lubrication and cooling systems are used for reliability and durability.



Easy-to-understand Hybrid Operation Monitor Screen Energy management screen

The hybrid system operating status can be easily displayed on the monitor to show how energy is flowing through the system components which include capacitor charging/discharging and engine assist by the generator/motor.



Hybrid system temperature gauge

A hybrid system temperature gauge is included in the main display screen along with engine and hydraulic temperature gauges. It displays the hybrid system temperature and allows the operator to monitor the system status at a glance.



Hybrid system temperature gauge.

HYBRID TECHNOLOGY

The Leading technology Komatsu Hybrid System, Tier 4 Final engine design, and an integrated complete Vehicle Control System Reduce Fuel Consumption Even Further.

Fuel consumption

Reduced by up to **20%**
(vs PC360LC-11)

Based on typical work pattern collected via KOMTRAX.



Viscous Fan Clutch

A temperature controlled viscous fan clutch improves engine efficiency and reduces engine power requirements when operating in cooler temperatures.

External noise level

vs PC360LC-11

Reduced by **4dB (A)**

Based on ISO 6395 dynamic test.

HB365LC-3

GENERAL FEATURES

ROPS CAB STRUCTURE

ROPS Cab (ISO 12117-2)

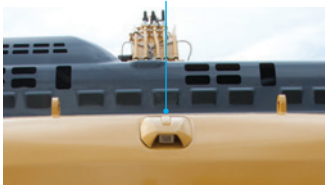
The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. It also satisfies the requirements for Level 1 Operator Protective Guard (OPG) and top guard (ISO 10262).



Rear View Monitoring System

A rear view monitoring system display has a rear view camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while easily checking the surrounding area.

Rear view camera

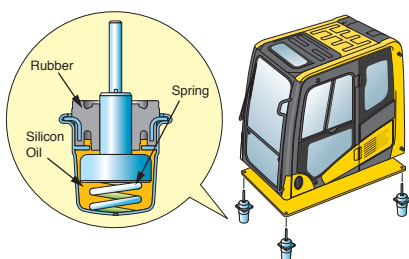


Rear view image on monitor



Low Vibration with Viscous Cab Mounts

The HB365LC-3 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.



General Features

Secondary engine shut down switch at base of seat to shutdown the engine.



Lock lever

Retractable seat belt

Tempered & tinted glass

Large cab entrance step

Left and right side handrails

Seat belt caution indicator



Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine compartment partition

Travel alarm



WORKING ENVIRONMENT



HB365LG-3

Comfortable Working Space

Wide spacious cab

Wide spacious cab includes seat with reclining backrest. The seat height and position are easily adjusted using a pull-up lever. You can set the appropriate operational posture of arm-rest together with the console. Reclining the seat further enables you to place it into the fully flat state with the head-rest attached.

Arm rest with simple height adjustment

A knob and plunger on the armrests allows easy height adjustment without the use of tools.



Low vibration with cab damper mounting

Automatic climate control

Pressurized cab with cab air filter

Auxiliary input jack

Connecting a regular audio device to the auxiliary jack allows the operator to hear the sound from the speakers installed in the cab.



Standard Equipment

Sliding window glass (left side)



AM/FM stereo radio & ashtray



Remote intermittent wiper with windshield washer



Cigarette lighter



Opening & closing skylight



Magazine box & cup holder



Defroster (conforms to the ISO standard)



One-touch storable front window lower glass



LARGE HIGH RESOLUTION LCD MONITOR



New Monitor Panel Interface Design

An updated large high resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and a DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen mode to be switched, thus enabling the optimum screen information for the particular work situation to be displayed.

Indicators

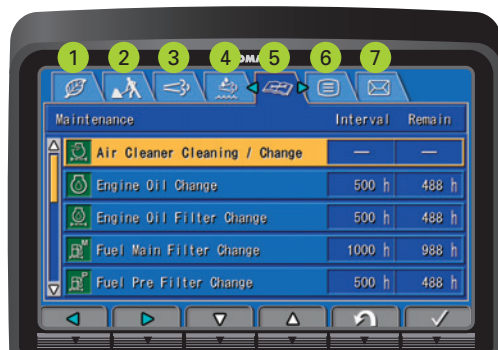
- | | |
|------------------------------------|-----------------------------------|
| 1 Auto-decelerator | 9 Hydraulic oil temperature gauge |
| 2 Working mode | 10 Fuel gauge |
| 3 Travel speed | 11 DEF level gauge |
| 4 Camera direction display | 12 DEF level caution lamp |
| 5 Ecology gauge | 13 Service meter, clock |
| 6 Camera display | 14 Fuel consumption gauge |
| 7 Hybrid system temperature gauge | 15 Guidance icon |
| 8 Engine coolant temperature gauge | 16 Function switches |

Basic operation switches

- | | |
|-------------------------|-----------------|
| 1 Auto-decelerator | 4 Buzzer cancel |
| 2 Working mode selector | 5 Wiper |
| 3 Travel speed selector | 6 Window washer |

Visual user menu

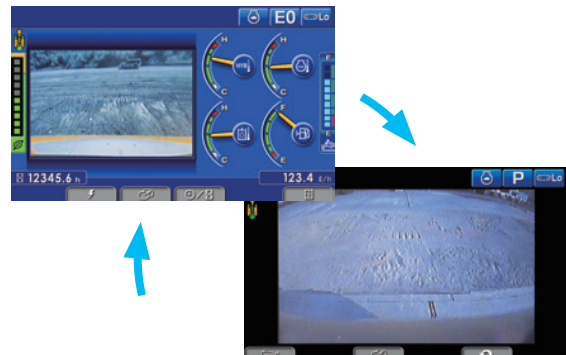
Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated easily.



- | | |
|---------------------------------------|--------------------|
| 1 Energy saving guidance | 2 Machine settings |
| 3 Aftertreatment devices regeneration | 4 SCR information |
| 5 Maintenance | 6 Monitor setting |
| 7 Message check | |

Switchable Display Modes

The main screen display mode can be changed by pressing the F3 key. Screen images shown are for the standard rear view camera.



WORKING ENVIRONMENT

Support Efficiency Improvement

Ecology guidance

While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

Ecology gauge & fuel consumption gauge

The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.



Ecology gauge Ecology guidance Fuel consumption gauge

Operation record, fuel consumption history, and ecology guidance record

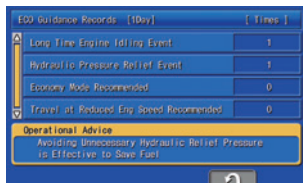
The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, using a single touch, thus assisting operators with reducing total fuel consumption.



Operation record



Fuel consumption history



Ecology guidance record

KomVision (Optional)

Images from 4 camera's are combined to display a "birds eye" view of the area around the machine for improved operator awareness. A second display with selectable individual camera views of the left, rear, and right sides is easily changed using the F4 button. A red line continuously shows where the counterweight will be during swinging and a camera icon indicates which camera is being displayed on individual camera display screen.



HB365LC-3

MAINTENANCE FEATURES



MAINTENANCE FEATURES

Large capacity air cleaner

The larger air cleaner can extend air cleaner life during long-term operation and helps prevent early clogging, and resulting power loss. A radial seal design is used for reliability.



Engine Access

Large rear opening hood provides excellent maintenance and service access to key engine components.



Fuel Filters

Large high-efficiency fuel filter and pre-filter with water separator removes contaminants from fuel for improved fuel injection system life. Built-in priming pump simplifies maintenance.



High efficiency fuel filter Fuel pre-filter (with water separator)

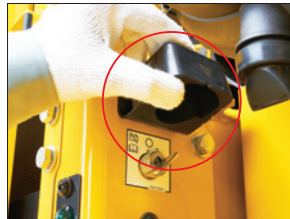
Easy access to engine oil filter and fuel drain valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.



Battery disconnect switch

A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.



Air conditioner filter

The air conditioner filter can be removed and installed without the use of tools for easy filter maintenance.

Washable cab floormat

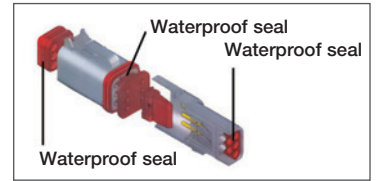
Sloping track frame

Long-life oils, filters

| | |
|--------------------------------|------------------|
| Engine oil & engine oil filter | every 500 hours |
| Hydraulic oil | every 5000 hours |
| Hydraulic oil filter | every 1000 hours |

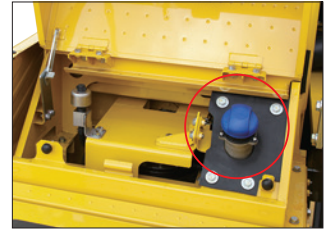
Electrical connectors

Sealed DT-type electrical connectors provide high reliability, water and dust resistance.



Diesel Exhaust Fluid (DEF) tank

A large tank volume extends operating time before refilling and is installed on the right front platform with a sight gauge for easy service. DEF tank and pump are separated for improved service access.



Maintenance Information

“Maintenance time caution lamp” display

When the remaining time to maintenance becomes less than 30 hours*, a maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

* : The setting can be changed within the range between 10 and 200 hours.



Maintenance screen

Manual Stational Regeneration

Under most conditions, active regeneration will occur automatically with no effect on machine operation. In case the operator needs to disable active regeneration or initiate a manual stationary regeneration, this can be easily accomplished through the monitor panel. A soot level indicator is displayed to show how much soot is trapped in the KDPF.

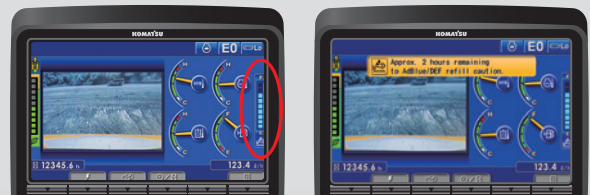
Soot level indicator



Aftertreatment device regeneration screen

Supports the DEF level and refill timing

The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.



DEF level gauge

DEF low level guidance

KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH
KOMTRAX[®]

✓ **WHAT**

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

✓ **WHEN**

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance is due** and help you plan for future maintenance needs

✓ **WHERE**

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

✓ **WHO**

- KOMTRAX is **standard** equipment on all Komatsu construction products

✓ **WHY**

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere



KOMTRAX[®]

For construction and compact equipment.

KOMTRAX Plus[®]

For production and mining class machines.

KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE

Program Includes:

*The HB365LC-3 comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever comes first.

Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply)

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary KDPF Exchange

The HB365LC-3 comes standard with 2 Complimentary KDPF Exchange Units for the first 5 Years (unlimited hours) Complimentary KDPF Exchange Units are provided at: The suggested KDPF Exchange Units Service Intervals of 4,500 hours and 9,000 hours during the first 5 years. End User must have authorized Komatsu distributor perform the removal and installation of the KDPF.

Complimentary SCR System Maintenance

The HB365LC-3 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel exhaust fluid (DEF) system during the first 5 years—no hour limit—including: Factory recommended DEF tank flush and strainer cleaning at 4,500 hours and 9,000 hours.

Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

| Interval PM | 500 | 1000 | 1500 | 2000 |
|--|-----|------|------|------|
| KOWA SAMPLING – (Engine, Hydraulics, Swing Circle, L & R Final Drives) | ✓ | ✓ | ✓ | ✓ |
| LUBRICATE MACHINE | ✓ | ✓ | ✓ | ✓ |
| LUBRICATE SWING CIRCLE | ✓ | ✓ | ✓ | ✓ |
| CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY | ✓ | ✓ | ✓ | ✓ |
| CHANGE ENGINE OIL | ✓ | ✓ | ✓ | ✓ |
| REPLACE ENGINE OIL FILTER | ✓ | ✓ | ✓ | ✓ |
| REPLACE FUEL PRE-FILTER | ✓ | ✓ | ✓ | ✓ |
| REPLACE AC FRESH & RECIRC AIR FILTERS | ✓ | ✓ | ✓ | ✓ |
| CLEAN AIR CLEANER ELEMENT | ✓ | ✓ | ✓ | ✓ |
| DRAIN SEDIMENT FROM FUEL TANK | ✓ | ✓ | ✓ | ✓ |
| COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB | ✓ | ✓ | ✓ | ✓ |
| RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS | ✓ | ✓ | ✓ | ✓ |
| REPLACE HYDRAULIC TANK BREATHER ELEMENT | | ✓ | | ✓ |
| REPLACE DEF TANK BREATHER ELEMENT | | ✓ | | ✓ |
| REPLACE FUEL MAIN FILTER | | ✓ | | ✓ |
| CHANGE SWING MACHINERY OIL | | ✓ | | ✓ |
| CHANGE ELECTRIC SWING MOTOR CASE OIL | | ✓ | | ✓ |
| REPLACE HYDRAULIC OIL FILTER ELEMENT | | ✓ | | ✓ |
| CHANGE MOTOR-GENERATOR CASE OIL | | ✓ | | ✓ |
| CLEAN MOTOR-GENERATOR CASE OIL FILTER | | ✓ | | ✓ |
| CLEAN HYDRAULIC TANK STRAINER | | | | ✓ |
| CHANGE FINAL DRIVE OIL | | | | ✓ |
| REPLACE KCCV FILTER ELEMENT | | | | ✓ |
| REPLACE DEF PUMP FILTER | | | | ✓ |
| CLEAN ELECTRIC SWING MOTOR COOLING OIL FILTER | | | | ✓ |
| FACTORY TRAINED TECHNICIAN LABOR | ✓ | ✓ | ✓ | ✓ |
| 2 KDPF Exchanges at 4,500 Hrs and 9,000 Hrs. | | | | |
| 2 SCR System Maintenance Services at 4,500 Hrs. and 9000 Hrs. | | | | |

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2017 Komatsu America Corp.

HB365LC-3

SPECIFICATIONS



ENGINE

Model.....Komatsu SAA6D114E-6*
 Type.....Water-cooled, 4-cycle, direct injection
 Aspiration..... Turbocharged, aftercooled, cooled EGR
 Number of cylinders..... 6
 Bore..... 114 mm **4.49"**
 Stroke.....144.5 mm **5.69"**
 Piston displacement..... 8.85 ltr **540 in³**
 Horsepower:
 SAE J1995..... Gross 202 kW **271 HP**
 ISO 9249 / SAE J1349..... Net 201 kW **269 HP**
 Fan at maximum speed..... Net 197 kW **251 HP**
 Rated rpm..... 1950
 Fan drive method for radiator cooling..... Mechanical with viscous fan clutch
 Governor..... All-speed control, electronic
 *EPA Tier 4 Final emissions certified



HYDRAULICS

Type ..HydrauMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valves and pressure compensated valves
 Number of selectable working modes 6
 Main pump:
 Type.....Variable displacement piston type
 Pumps for.....Boom, arm, bucket, and travel circuits
 Maximum flow 535 ltr/min **141.3 gal/min**
 Supply for control circuit..... Self-reducing valve
 Hydraulic motors:
 Travel..... 2 x axial piston motors with parking brake
 Swing 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Implement circuits 38.2 MPa 390 kg/cm² **5,540 psi**
 Travel circuit..... 38.2 MPa 390 kg/cm² **5,540 psi**
 Pilot circuit..... 3.2 MPa 33 kg/cm² **470 psi**

Hydraulic cylinders:
 (Number of cylinders – bore x stroke x rod diameter)
 Boom 2–140 mm x 1480 mm x 100 mm **5.5" x 58.3" x 3.9"**
 Arm 1–160 mm x 1825 mm x 110 mm **6.3" x 71.9" x 4.3"**
 Bucket.....for 3200 mm **10'5"** and 4000 mm **13'2"** Arms
 1–140 mm x 1285 mm x 100 mm **5.5" x 50.6" x 3.9"**



DRIVES AND BRAKES

Steering control..... Two levers with pedals
 Drive method Fully hydrostatic
 Maximum drawbar pull 290 kN 29570 kg **65,191 lb**
 Gradeability..... 70%, 35°
 Maximum travel speed: High..... 5.5 km/h **3.4 mph**
 (Auto-shift) Mid 4.5 km/h **2.8 mph**
 (Auto-shift) Low 3.2 km/h **2.0 mph**
 Service brake..... Hydraulic lock
 Parking brake..... Mechanical disc brake



SWING SYSTEM

Drive method Electric drive
 Swing reduction..... Planetary gear
 Swing circle lubrication Grease-bathed
 Service brake..... Electric brake
 Holding brake/Swing lock..... Mechanical disc brake
 Swing speed..... 9.5 rpm
 Swing torque..... 11386 kg•m **82,313 ft lbs**



UNDERCARRIAGE

Center frame X-frame
 Track frame..... Box-section
 Track type Sealed
 Track adjuster Hydraulic
 Number of shoes (each side)..... 48
 Number of carrier rollers (each side)..... 2
 Number of track rollers (each side)..... 8



COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank 605 ltr **159.8 U.S. gal**
 Coolant (engine)..... 42.0 ltr **11.1 U.S. gal**
 Ultra capacitor cooling system 11.7 ltr **3 U.S. gal**
 Engine..... 38.5 ltr **10.2 U.S. gal**
 Final drive, each side..... 9.0 ltr **2.4 U.S. gal**
 Swing drive 15.6 ltr **4.12 U.S. gal**
 Swing motor - generator 3.6 ltr **0.95 U.S. gal**
 Motor-generator 8.5 ltr **2.25 U.S. gal**
 Hydraulic tank..... 188 ltr **49.7 U.S. gal**
 DEF tank..... 39.2 ltr **10.3 U.S. gal**



SOUND PERFORMANCE

Exterior – ISO 6395..... 101 dB(A)
 Operator – ISO 6396..... 69 dB(A)



OPERATING WEIGHT (APPROXIMATE)

Operating weight including 6500 mm **21'3"** one-piece HD boom, 3185 mm **10'5"** arm, 850 mm **33.5"** track shoes, SAE heaped 1.96 m³ **2.56 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

| Triple-Grouser | Operating Weight | Ground Pressure (ISO 16754) |
|---------------------|---------------------------|---|
| 700 mm 28" | 37654 kg 83,012 lb | 0.62 kg/cm ² 8.79 psi |
| 800 mm 31.5" | 38054 kg 83,894 lb | 0.55 kg/cm ² 7.77 psi |
| 850 mm 33.5" | 38254 kg 84,335 lb | 0.52 kg/cm ² 7.35 psi |

| Component Weights | Weight |
|---|--------------------------|
| Arm including bucket cylinder and linkage | |
| 3185 mm 10'5" arm assembly | 1761 kg 3,882 lb |
| 4020 mm 13'2" arm assembly | 1988 kg 4,383 lb |
| One piece HD boom including arm cylinder | |
| 6500 mm 21'3" boom assembly | 3135 kg 6,912 lb |
| Boom cylinders x 2 | 259 kg 571 lb |
| Counterweight | 6320 kg 13,933 lb |
| 1.96 m ³ 2.56 yd³ TL bucket - 54" width | 1554 kg 3,425 lb |
| Plus one piped boom and arm | Add 100 kg 220 lb |

SPECIFICATIONS

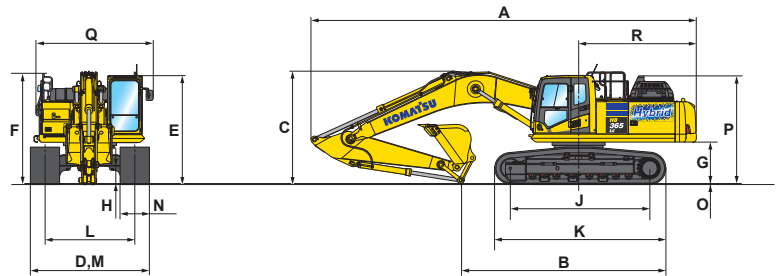
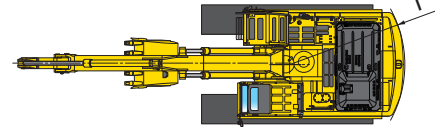


DIMENSIONS

| | Arm Length | 3185 mm 10'5" | 4020 mm 13'2" |
|---|---------------------------------------|----------------|----------------|
| A | Overall length | 11145 mm 36'7" | 11170 mm 36'8" |
| B | Length on ground (transport) | 5935 mm 19'6" | 5475 mm 18'0" |
| C | Overall height (to top of boom)* | 3285 mm 10'9" | 3760 mm 12'4" |
| D | Overall width | 3440 mm 11'3" | |
| E | Overall height (to top of cab)* | 3165 mm 10'5" | |
| F | Overall height (to top of handrail)* | 3260 mm 10'8" | |
| G | Ground clearance, counterweight | 1185 mm 3'11" | |
| H | Ground clearance, minimum | 498 mm 1'8" | |
| I | Tail swing radius | 3445 mm 11'4" | |
| J | Track length on ground | 4030 mm 13'3" | |
| K | Track length | 4955 mm 16'3" | |
| L | Track gauge | 2590 mm 8'6" | |
| M | Width of crawler | 3440 mm 11'3" | |
| N | Shoe width | 850 mm 33.5" | |
| O | Grouser height | 36 mm 1.4" | |
| P | Machine height to top of engine cover | 3140 mm 10'4" | |
| Q | Machine upper width ** | 3140 mm 10'4" | |
| R | Distance, swing center to rear end | 3405 mm 11'2" | |

* : Including grouser height

** : Including handrail



BACKHOE BUCKET, ARM AND BOOM COMBINATION

| Bucket Type | Bucket | | | | | | | | 6.5 m (21'3") Boom | | |
|-------------|---------------------|----------------------|-------|---------|-----|---------|---------|------------|--------------------|---------------|---------------|
| | Capacity | | Teeth | Width | | Weight | | Tip Radius | | 3.2 m (10'5") | 4.0 m (13'2") |
| Komatsu TL | 0.93 m ³ | 1.21 yd ³ | 4 | 762 mm | 30" | 1097 kg | 2418 lb | 1674 mm | 65.9" | ● | ● |
| | 1.18 m ³ | 1.54 yd ³ | 4 | 914 mm | 36" | 1198 kg | 2641 lb | 1674 mm | 65.9" | ● | ● |
| | 1.44 m ³ | 1.88 yd ³ | 5 | 1067 mm | 42" | 1325 kg | 2921 lb | 1674 mm | 65.9" | ● | ● |
| | 1.70 m ³ | 2.22 yd ³ | 5 | 1219 mm | 48" | 1426 kg | 3144 lb | 1674 mm | 65.9" | ● | ○ |
| | 1.96 m ³ | 2.56 yd ³ | 6 | 1372 mm | 54" | 1554 kg | 3425 lb | 1674 mm | 65.9" | ○ | □ |
| Komatsu HP | 0.68 m ³ | 0.89 yd ³ | 3 | 610 mm | 24" | 1022 kg | 2254 lb | 1674 mm | 65.9" | ● | ● |
| | 0.93 m ³ | 1.21 yd ³ | 4 | 762 mm | 30" | 1178 kg | 2598 lb | 1674 mm | 65.9" | ● | ● |
| | 1.18 m ³ | 1.54 yd ³ | 4 | 914 mm | 36" | 1358 kg | 2993 lb | 1674 mm | 65.9" | ● | ● |
| | 1.44 m ³ | 1.88 yd ³ | 5 | 1067 mm | 42" | 1439 kg | 3173 lb | 1674 mm | 65.9" | ● | ● |
| | 1.70 m ³ | 2.22 yd ³ | 5 | 1219 mm | 48" | 1555 kg | 3429 lb | 1674 mm | 65.9" | ● | □ |
| Komatsu HPS | 1.96 m ³ | 2.56 yd ³ | 6 | 1372 mm | 54" | 1701 kg | 3750 lb | 1674 mm | 65.9" | □ | ⊙ |
| | 0.68 m ³ | 0.89 yd ³ | 3 | 610 mm | 24" | 1112 kg | 2451 lb | 1674 mm | 65.9" | ● | ● |
| | 0.93 m ³ | 1.21 yd ³ | 4 | 762 mm | 30" | 1294 kg | 2853 lb | 1674 mm | 65.9" | ● | ● |
| | 1.18 m ³ | 1.54 yd ³ | 4 | 914 mm | 36" | 1437 kg | 3167 lb | 1674 mm | 65.9" | ● | ● |
| | 1.44 m ³ | 1.88 yd ³ | 5 | 1067 mm | 42" | 1607 kg | 3543 lb | 1674 mm | 65.9" | ● | ○ |
| Komatsu HPX | 1.70 m ³ | 2.22 yd ³ | 5 | 1219 mm | 48" | 1750 kg | 3857 lb | 1674 mm | 65.9" | ○ | □ |
| | 1.96 m ³ | 2.56 yd ³ | 6 | 1372 mm | 54" | 1921 kg | 4236 lb | 1674 mm | 65.9" | □ | ⊙ |
| | 0.68 m ³ | 0.89 yd ³ | 3 | 610 mm | 24" | 1239 kg | 2731 lb | 1674 mm | 65.9" | ● | ● |
| | 0.93 m ³ | 1.21 yd ³ | 4 | 762 mm | 30" | 1421 kg | 3133 lb | 1674 mm | 65.9" | ● | ● |
| | 1.18 m ³ | 1.54 yd ³ | 4 | 914 mm | 36" | 1564 kg | 3447 lb | 1674 mm | 65.9" | ● | ● |
| Komatsu HPX | 1.44 m ³ | 1.88 yd ³ | 5 | 1067 mm | 42" | 1734 kg | 3823 lb | 1674 mm | 65.9" | ● | ○ |
| | 1.70 m ³ | 2.22 yd ³ | 5 | 1219 mm | 48" | 1877 kg | 4137 lb | 1674 mm | 65.9" | ○ | □ |
| | 1.96 m ³ | 2.56 yd ³ | 6 | 1372 mm | 54" | 2048 kg | 4516 lb | 1674 mm | 65.9" | □ | ⊙ |

● - Used with material weights up to 3,500 lb/yd³ - Quarry/rock/high abrasion applications

□ - Used with material weights up to 2,500 lb/yd³ - General construction

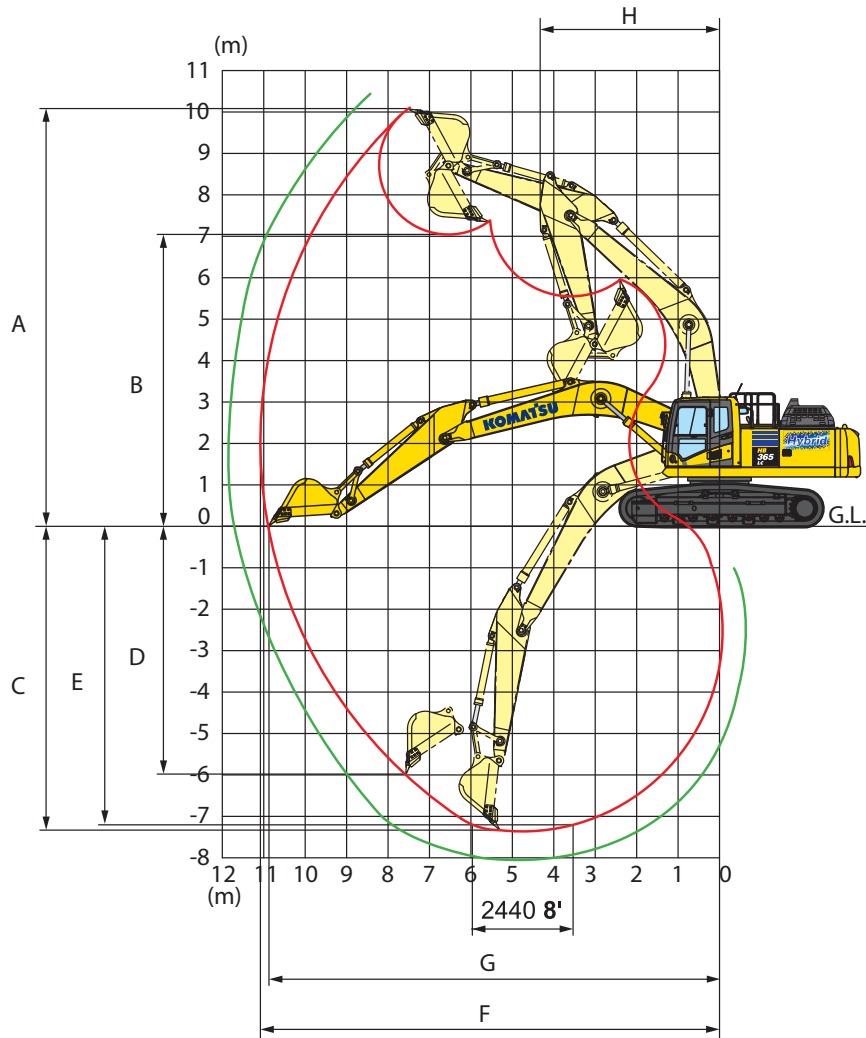
○ - Used with material weights up to 3,000 lb/yd³ - Tough digging applications

⊙ - Used with material weights up to 2,000 lb/yd³ - Light materials applications

X - Not useable



WORKING RANGE

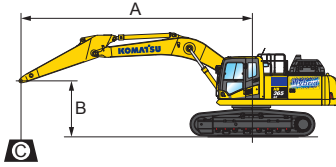


| | Arm Length | 3185 mm 10'5" | 4020 mm 13'2" |
|-------------------|--|---------------------------------------|---------------------------------------|
| A | Max. digging height | 10210 mm 33'6" | 10550 mm 34'7" |
| B | Max. dumping height | 7110 mm 23'4" | 7490 mm 24'7" |
| C | Max. digging depth | 7380 mm 24'3" | 8180 mm 26'10" |
| D | Max. vertical wall digging depth | 6480 mm 21'3" | 7280 mm 23'11" |
| E | Max. digging depth for 8' level bottom | 7180 mm 23'7" | 8045 mm 26'5" |
| F | Max. digging reach | 11100 mm 36'5" | 11900 mm 39'1" |
| G | Max. digging reach at ground level | 10920 mm 35'10" | 11730 mm 38'6" |
| H | Min. swing radius | 4310 mm 14'2" | 4320 mm 14'2" |
| SAE rating | Bucket digging force at power max. | 200 kN 20400 kg / 44,970 lb | 200 kN 20400 kg / 44,970 lb |
| | Arm crowd force at power max. | 165 kN 16800 kg / 37,040 lb | 139 kN 14200 kg / 31,310 lb |
| ISO rating | Bucket digging force at power max. | 228 kN 23200 kg / 51,150 lb | 227 kN 23100 kg / 50,930 lb |
| | Arm crowd force at power max. | 171 kN 17400 kg / 38,360 lb | 144 kN 14700 kg / 32,410 lb |

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE

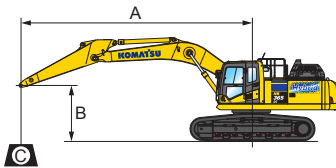


- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

| Arm: 3185 mm 10'5" | | Bucket: None | | | | Shoes: 700 mm 28" | | | | Unit: kg lb | | | | | |
|--------------------|---|--------------|----|-----------|----|-------------------|---------|-----------|-------|-------------|-------|---------|---------|---------|-------|
| B | A | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | MAX | | | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | | |
| 7.6 m | | | | | | | | | | | | * 7250 | * 7250 | | |
| 25' | | | | | | | | | | | | * 15900 | * 15900 | | |
| 6.1 m | | | | | | | * 8890 | 7530 | | | | * 7050 | 6390 | | |
| 20' | | | | | | | * 19600 | 16600 | | | | * 15500 | 14000 | | |
| 4.6 m | | | | | | | | | | | | * 7100 | 5690 | | |
| 15' | | | | | | * 10740 | 10170 | * 9370 | 7370 | | | * 15600 | 12500 | | |
| 3.0 m | | | | | | | | | | | | * 7380 | 5340 | | |
| 10' | | | | | | * 16210 | 14500 | * 12090 | 9710 | * 10030 | 7140 | 8160 | 5520 | * 16200 | 11700 |
| 1.5 m | | | | | | | | | | | | * 7740 | 5210 | | |
| 5' | | | | | | * 18180 | 13690 | * 13220 | 9290 | 10410 | 6910 | 8050 | 5410 | 7740 | 5210 |
| 0 m | | | | | | | | | | | | * 7910 | 5300 | | |
| 0' | | | | | | * 40900 | 29400 | * 30200 | 19800 | 22500 | 14800 | 17500 | 11700 | 17400 | 11700 |
| -1.5 m | | | | | | | | | | | | * 8480 | 5660 | | |
| -5' | | | | | | * 13710 | * 13710 | * 17720 | 13260 | * 13480 | 8900 | 10140 | 6670 | 8480 | 5660 |
| -3.0 m | | | | | | * 30200 | * 30200 | * 39000 | 29200 | * 29700 | 19600 | 22300 | 14700 | 18700 | 12400 |
| -10' | | | | | | * 20540 | * 20540 | * 15850 | 13360 | * 12300 | 8900 | * 8930 | 6720 | * 8870 | 6430 |
| -4.6 m | | | | | | * 45200 | * 45200 | * 34900 | 29400 | * 27100 | 19600 | * 19600 | 14800 | * 19500 | 14100 |
| -15' | | | | | | * 15670 | * 15670 | * 12560 | 9130 | * 9590 | 9130 | | * 8870 | 6430 | |
| -6.1 m | | | | | | * 34500 | * 34500 | * 27600 | 27600 | * 21100 | 20100 | | * 19500 | 14100 | |
| -20' | | | | | | | | | | | | * 8350 | * 8170 | | |
| | | | | | | | | | | | | * 18400 | * 18000 | | |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

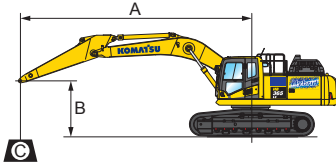
- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

| Arm: 4020 mm 13'2" | | Bucket: None | | | | Shoes: 700 mm 28" | | | | Unit: kg lb | | | | | | | |
|--------------------|---|--------------|----|-----------|----|-------------------|---------|-----------|-------|-------------|-------|---------|---------|---------|-------|---------|-------|
| B | A | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | MAX | | | | | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | | | | |
| 7.6 m | | | | | | | | | | | | * 5610 | * 5610 | | | | |
| 25' | | | | | | | | | | | | * 12300 | * 12300 | | | | |
| 6.1 m | | | | | | | | | | | | * 5460 | * 5460 | | | | |
| 20' | | | | | | | | | | | | * 12000 | * 12000 | | | | |
| 4.6 m | | | | | | | | | | | | * 5470 | 4940 | | | | |
| 15' | | | | | | | | | | | | * 12000 | 10800 | | | | |
| 3.0 m | | | | | | | | | | | | * 5640 | 4640 | | | | |
| 10' | | | | | | * 14340 | * 14340 | * 11020 | 9790 | * 9280 | 7130 | 8130 | 5470 | * 12400 | 10200 | | |
| 1.5 m | | | | | | | | | | | | * 5950 | 4540 | | | | |
| 5' | | | | | | * 16890 | 13770 | * 12370 | 9260 | * 10010 | 6840 | 7970 | 5320 | * 13100 | 10000 | | |
| 0 m | | | | | | | | | | | | * 6840 | 4600 | | | | |
| 0' | | | | | | * 8320 | * 8320 | * 18090 | 13140 | * 13230 | 8870 | 10100 | 6610 | 7830 | 5190 | * 6840 | 4600 |
| -1.5 m | | | | | | * 18300 | * 18300 | * 39800 | 28900 | * 29100 | 19500 | 22200 | 14500 | 17200 | 11400 | * 14200 | 10600 |
| -5' | | | | | | * 12420 | * 12420 | * 17980 | 12900 | * 13400 | 8660 | 9950 | 6470 | 7760 | 5130 | 7290 | 4840 |
| -3.0 m | | | | | | * 27300 | * 27300 | * 39600 | 28400 | * 29500 | 19100 | 21900 | 14200 | 17100 | 11300 | 16000 | 12400 |
| -10' | | | | | | * 17840 | * 17840 | * 16780 | 12900 | * 12760 | 8610 | 9920 | 6440 | * 8040 | 5360 | | |
| -4.6 m | | | | | | * 39300 | * 39300 | * 37000 | 28400 | * 28100 | 19000 | 21800 | 14200 | * 17700 | 11800 | | |
| -15' | | | | | | * 19190 | * 19190 | * 14360 | 13100 | * 11040 | 8730 | * 8190 | 6570 | * 7850 | 6420 | | |
| -6.1 m | | | | | | * 42300 | * 42300 | * 31600 | 28900 | * 24300 | 19200 | * 18000 | 14500 | * 17300 | 14100 | | |
| -20' | | | | | | * 12720 | * 12720 | * 9970 | 9970 | * 7010 | 7010 | | * 6940 | * 6940 | | | |
| | | | | | | * 28000 | * 28000 | * 21900 | 21900 | * 15400 | 15400 | | * 15300 | * 15300 | | | |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



LIFTING CAPACITY WITH LIFTING MODE

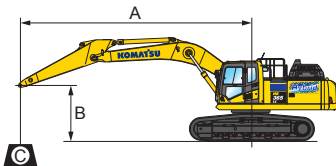


- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

| Arm: 3185 mm 10'5" | | Bucket: None | | | | Shoes: 800 mm 31.5" | | | | Unit: kg lb | | | |
|--------------------|------|--------------|---------|-----------|-------|---------------------|-------|-----------|-------|-------------|-------|---------|---------|
| B | A | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | ⊗ MAX | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m | 25' | | | | | | | | | | | * 7250 | * 7250 |
| 6.1 m | 20' | | | | | | | * 8890 | 7600 | | | * 15900 | * 15900 |
| 4.6 m | 15' | | | | | * 10740 | 10260 | * 9370 | 7430 | | | * 7100 | 5750 |
| 3.0 m | 10' | | | * 16210 | 14630 | * 12090 | 9790 | * 10030 | 7200 | 8240 | 5570 | * 7380 | 5390 |
| 1.5 m | 5' | * 18180 | 13820 | * 13220 | 9370 | 10510 | 6980 | 8120 | 5460 | 7820 | 5260 | * 16200 | 11800 |
| 0 m | 0' | * 40000 | 30400 | * 29100 | 20600 | * 23100 | 15300 | * 17900 | 12000 | * 17200 | 11600 | * 17200 | 11600 |
| -1.5 m | -5' | * 18550 | 13460 | * 13740 | 9100 | 10330 | 6810 | 8040 | 5390 | 7990 | 5360 | * 17600 | 11800 |
| -3.0 m | -10' | * 40900 | 29600 | * 30200 | 20000 | * 22700 | 15000 | * 17700 | 11800 | * 17600 | 11800 | * 17600 | 11800 |
| -4.6 m | -15' | * 13710 | * 13710 | * 17720 | 13380 | * 13480 | 8980 | 10240 | 6730 | 8570 | 5710 | * 18800 | 12600 |
| | | * 30200 | * 30200 | * 39000 | 29500 | * 29700 | 19800 | 22500 | 14800 | * 18800 | 12600 | * 18800 | 12600 |
| | | * 20540 | * 20540 | * 15850 | 13490 | * 12300 | 9010 | * 9440 | 6780 | * 8870 | 6490 | * 8870 | 6490 |
| | | * 45200 | * 45200 | * 34900 | 29700 | * 27100 | 19800 | * 20800 | 14900 | * 19500 | 14300 | * 19500 | 14300 |
| | | * 15670 | * 15670 | * 12560 | 9590 | * 9590 | 9210 | | | * 8350 | 8250 | * 8350 | 8250 |
| | | * 34500 | * 34500 | * 27600 | 21100 | * 21100 | 20300 | | | * 18400 | 18100 | * 18400 | 18100 |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

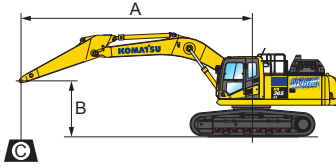
| Arm: 4020 mm 13'2" | | Bucket: None | | | | Shoes: 800 mm 31.5" | | | | Unit: kg lb | | | |
|--------------------|------|--------------|---------|-----------|---------|---------------------|-------|-----------|---------|-------------|--------|---------|---------|
| B | A | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | ⊗ MAX | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m | 25' | | | | | | | * 7750 | * 7750 | | | * 5610 | * 5610 |
| 6.1 m | 20' | | | | | | | * 17000 | * 17000 | | | * 12300 | * 12300 |
| 4.6 m | 15' | | | | | * 7950 | 7680 | * 6550 | 5740 | * 5460 | * 5460 | * 5460 | * 5460 |
| 3.0 m | 10' | | | * 14340 | * 14340 | * 11020 | 9870 | * 9280 | 7190 | 8210 | 5520 | * 5640 | 4700 |
| 1.5 m | 5' | * 16890 | 13900 | * 12370 | 9350 | * 10010 | 6900 | 8040 | 5370 | * 5950 | 4590 | * 12000 | 10900 |
| 0 m | 0' | * 37200 | 30600 | * 27200 | 20600 | * 22000 | 15200 | * 17700 | 11800 | * 13100 | 10100 | * 13100 | 10100 |
| -1.5 m | -5' | * 8320 | * 8320 | * 18090 | 13270 | * 13230 | 8960 | 10200 | 6670 | 7910 | 5240 | * 6480 | 4640 |
| -3.0 m | -10' | * 12420 | 12420 | * 17980 | 13030 | * 13400 | 8740 | 10050 | 6530 | 7840 | 5180 | * 7330 | 4890 |
| | | * 27300 | 27300 | * 39600 | 28700 | * 29500 | 19200 | 22100 | 14400 | 17200 | 11400 | * 16100 | 10700 |
| | | * 17840 | * 17840 | * 16780 | 13030 | * 12760 | 8700 | * 10020 | 6510 | * 8040 | 5410 | * 8040 | 5410 |
| | | * 39300 | * 39300 | * 37000 | 28700 | * 28100 | 19100 | * 22000 | 14300 | * 17700 | 11900 | * 17700 | 11900 |
| | | * 19190 | * 19190 | * 14360 | 13230 | * 11040 | 8810 | * 8190 | 6640 | * 7850 | 6480 | * 7850 | 6480 |
| | | * 42300 | * 42300 | * 31600 | 29100 | * 24300 | 19400 | * 18000 | 14600 | * 17300 | 14300 | * 17300 | 14300 |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE

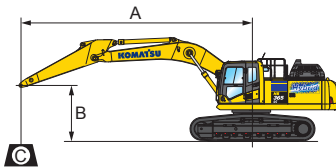


- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

| Arm: 3185 mm 10'5" | | Bucket: None | | | | Shoes: 850 mm 33.5" | | | | Unit: kg lb | | |
|--------------------|-----------|--------------|-----------|-------|-----------|---------------------|-----------|-------|-----------|-------------|---------|---------|
| B | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | ⊗ MAX | |
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | | | | | | | | * 7250 | * 7250 |
| 6.1 m 20' | | | | | | | * 8890 | 7630 | | | * 15900 | * 15900 |
| 4.6 m 15' | | | | | * 10740 | 10300 | * 23600 | 22700 | * 20600 | 16400 | * 15600 | 12700 |
| 3.0 m 10' | | | * 16210 | 14690 | * 12090 | 9830 | * 10030 | 7230 | 8280 | 5590 | * 7380 | 5410 |
| 1.5 m 5' | | | * 18180 | 13880 | * 13220 | 9410 | 10560 | 7010 | 8160 | 5490 | 7850 | 5290 |
| 0 m 0' | | | * 40000 | 30600 | * 29100 | 20700 | 23200 | 15400 | 18000 | 12100 | 17300 | 11600 |
| 0 m 0' | | | * 18550 | 13520 | * 13740 | 9140 | 10380 | 6840 | 8080 | 5410 | 8030 | 5380 |
| -1.5 m -5' | * 13710 | * 13710 | * 40900 | 29800 | * 30200 | 20100 | 22800 | 15000 | 17800 | 11900 | 17700 | 11800 |
| -1.5 m -5' | * 30200 | * 30200 | * 17720 | 13450 | * 13480 | 9020 | 10290 | 6770 | | | 8610 | 5740 |
| -3.0 m -10' | * 20540 | * 20540 | * 39000 | 29600 | * 29700 | 19900 | 22700 | 14900 | | | 18900 | 12600 |
| -3.0 m -10' | * 45200 | * 45200 | * 15850 | 13550 | * 12300 | 9050 | 9440 | 6810 | | | * 8870 | 6520 |
| -4.6 m -15' | * 15670 | * 15670 | * 34900 | 29800 | * 27100 | 19900 | * 20800 | 15000 | | | * 19500 | 14300 |
| -4.6 m -15' | * 34500 | * 34500 | * 12560 | 9260 | * 9590 | 9260 | | | | | * 8350 | 8290 |
| -4.6 m -15' | | | * 27600 | 27600 | * 21100 | 20400 | | | | | * 18400 | 18200 |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions :
- 6500 mm 21' 3" one-piece boom
 - Bucket: None
 - Lifting mode: On

| Arm: 4020 mm 13'2" | | Bucket: None | | | | Shoes: 850 mm 33.5" | | | | Unit: kg lb | | |
|--------------------|-----------|--------------|-----------|---------|-----------|---------------------|-----------|---------|-----------|-------------|---------|---------|
| B | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | 9.1 m 30' | | ⊗ MAX | |
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | | | | * 7750 | * 7750 | | | * 5610 | * 5610 |
| 6.1 m 20' | | | | | | | * 17000 | * 17000 | | | * 12300 | * 12300 |
| 4.6 m 15' | | | | | | | * 7950 | 7720 | * 6550 | 5770 | * 5460 | * 5460 |
| 3.0 m 10' | | | | | | | * 17500 | 17000 | * 14400 | 12700 | * 12000 | * 12000 |
| 1.5 m 5' | | | | | | | * 8520 | 7500 | * 7870 | 5690 | * 5470 | 5010 |
| 0 m 0' | | | | | | | * 18700 | 16500 | * 17300 | 12500 | * 12000 | 11000 |
| 0 m 0' | | | * 14340 | * 14340 | * 11020 | 9910 | * 9280 | 7220 | * 8220 | 5550 | * 5640 | 4720 |
| 0 m 0' | * 8320 | * 8320 | * 31600 | * 31600 | * 24300 | 21800 | * 20400 | 15900 | * 18100 | 12200 | * 12400 | 10400 |
| -1.5 m -5' | * 12420 | * 12420 | * 16890 | 13960 | * 12370 | 9390 | * 10010 | 6940 | 8080 | 5400 | * 5950 | 4610 |
| -1.5 m -5' | * 27300 | * 27300 | * 37200 | 30700 | * 27200 | 20700 | * 22000 | 15300 | 17800 | 11900 | * 13100 | 10100 |
| -3.0 m -10' | * 17840 | * 17840 | * 18090 | 13330 | * 13230 | 9000 | 10250 | 6710 | 7950 | 5270 | * 6480 | 4660 |
| -3.0 m -10' | * 39300 | * 39300 | * 17980 | 13090 | * 13400 | 8790 | 10100 | 6570 | 7880 | 5200 | * 7330 | 4910 |
| -4.6 m -15' | * 19190 | * 19190 | * 39600 | 28800 | * 29500 | 19300 | 22200 | 14400 | 17300 | 11400 | * 16100 | 10800 |
| -4.6 m -15' | * 42300 | * 42300 | * 16780 | 13090 | * 12760 | 8740 | 10020 | 6540 | | | * 8040 | 5440 |
| -4.6 m -15' | | | * 39300 | 28800 | * 28100 | 19200 | 22000 | 14400 | | | * 17700 | 11900 |
| -4.6 m -15' | | | * 19190 | 13290 | * 11040 | 8860 | 8190 | 6670 | | | * 7850 | 6520 |
| -4.6 m -15' | | | * 42300 | 29300 | * 24300 | 19500 | 18000 | 14700 | | | * 17300 | 14300 |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



STANDARD EQUIPMENT

ENGINE

- Auto idle
- Auto idle shut down programmable
- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA6D114E-6
- Engine coolant to -25°C **-13°F**
- Engine overheat prevention system
- Fuel pre-filter (10 micron, with water separator)
- Fuel priming pump
- Viscous fan clutch, temperature controlled

HYBRID SYSTEM

- Ultra capacitor with inverter
- Electric swing motor/generator
- Engine mounted motor/generator
- Hybrid component cooling system

ELECTRICAL SYSTEM

- Alternator, 24 V/90 A
- Batteries, large capacity (2 x 12V)
- Battery master disconnect switch
- Electric horn
- Power ports (2) 24V to 12V
- Starting motor, 24 V/11 kW
- Working lights, 2 (Boom and RH front)

HYDRAULIC SYSTEM

- Arm holding valve
- Boom holding valve
- Power maximizing system
- PPC hydraulic control system
- Service valve, one additional function
- Two-mode setting for boom
- Working mode selection system

GUARDS AND COVERS

- Carbody swivel guard
- Pump/engine compartment partition
- Revolving frame deck guards
- Revolving frame under covers
- Slip resistant plates
- Thermal and fan guards
- Track roller guards (center section)

UNDERCARRIAGE

- 3 speed travel with auto shift
- Carrier roller (2 each side)
- Hydraulic track adjusters (Each side)
- Track roller, 8 each side
- Track shoe, triple grouser, 850 mm **33.5"**

OPERATOR ENVIRONMENT

- Auxiliary input (3.5 mm jack)
- Automatic climate control/air conditioner/heater/defroster
- High back air suspension seat with heat
- Large high resolution 7" LCD monitor
- Lock lever, work equipment
- Mirrors (RH and LH)
- Operator protective top guard (OPG), level 1
- Rear view monitor system - one camera
- ROPS cab (ISO 12117-2)
- Seat belt indicator
- Seat belt, retractable, 76 mm **3"**
- Secondary engine shut down switch
- Skylight, opening

OTHER EQUIPMENT

- AM/FM radio
- Counterweight, 6320 kg **13,933 lb**
- Equipment Management Monitoring System (EMMS)
- KOMTRAX® level 5.0
- Operator identification system
- Radiator and oil cooler removable debris screen
- Rear reflector
- Travel alarm



OPTIONAL EQUIPMENT

- Arms
 - 3185 mm **10'5"** arm assembly
 - 3185 mm **10'5"** arm assembly with piping
 - 4020 mm **13'2"** arm assembly
 - 4020 mm **13'2"** arm assembly with piping
- Booms
 - 6500 mm **21'3"** HD boom assembly
 - 6500 mm **21'3"** HD boom assembly with piping
- Cab guards
 - Lower front window guard
 - Full front guard, OPG Level 1
 - Full front guard, OPG Level 2
 - Bolt-on top guard, OPG Level 2
- KomVision surround camera system
- Hydraulic control unit, 1 actuator
- Proportional control handles for auxiliary hydraulics
- Rain visor
- Revolving frame undercovers, heavy duty
- Sun visor

- Track roller guards, full length
- Track shoes, triple grouser, 700 mm **28"**
- Track shoes, single grouser, 800 mm **31.5"**
- Working lights, front, two additional cab mounted



ATTACHMENT OPTIONS

- Grade control systems
- Hydraulic couplers
- Hydraulic kits, field installed
- Load hold, anti-burst valves
- PSM thumbs
- Rockland thumbs
- Vandalism protection guards with storage box

For a complete list of available attachments, please contact your local Komatsu distributor.

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KOMATSU®

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