

# KOMATSU®

**HORSEPOWER**  
Gross: 110 kW 148 HP / 2000 min<sup>-1</sup>  
Net: 104 kW 139 HP / 2000 min<sup>-1</sup>

**OPERATING WEIGHT**  
HB205-1M0: 20200 - 20830 kg  
HB215LC-1M0: 21220 - 21850 kg

## HB205-1M0 HB215LC-1M0

Hybrid

**HB**  
**205**

HYDRAULIC EXCAVATOR



Photos may include optional equipment.

# HYBRID SYSTEM

**The Leading-edge Machine of the New Generation of Hydraulic Excavators, Focus both on Environmental Concerns and Practical Performance**

*Most components including those of the hybrid system are developed and manufactured by Komatsu. They are compact in design and feature excellent reliability and durability.*



Hybrid

## Reliable and Durable Hybrid Components Developed and Manufactured by Komatsu

### Generator/motor

The generator/motor is positioned between the engine and hydraulic pump for effective power transmission to the hydraulic pump. The generator sometimes produces electric power and charges the capacitor during the period when the engine is idling.



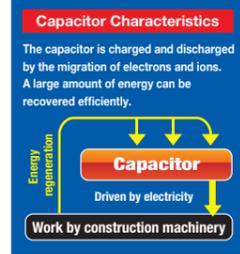
### Electric Swing Motor/generator

The electric swing motor/generator is installed. This recovers the energy during swing braking. The motor/generator accelerates the swing of the upper structure more efficiently than the conventional hydraulic motor and provides excellent swing performance. The dedicated lubrication and cooling systems are employed for reliability and durability.



### Inverter and Capacitor

The inverter and the capacitor have high reliability with the dedicated cooling system. The capacitor can charge or discharge more quickly than the battery hybrid system, because it doesn't require any chemical reactions that take some lag generating the electric current, while the battery requires. The quickness is the advantage for matching the frequent change of the engine speed of construction equipment. The inverter and the capacitor also have the advantage of long life, which require no maintenance because of its little degradation.



## Easy-to-understand Hybrid Operation Monitor Screen

### Energy Management Screen

The operation status of the hybrid system is displayed on the screen as energy flows, which include capacitor charging/discharging and engine assist by the generator/motor.



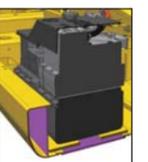
### Hybrid System Temperature Gauge

The hybrid system temperature gauge is displayed on the screen. This allows the operator to understand the severity of the load on the hybrid system at a glance.

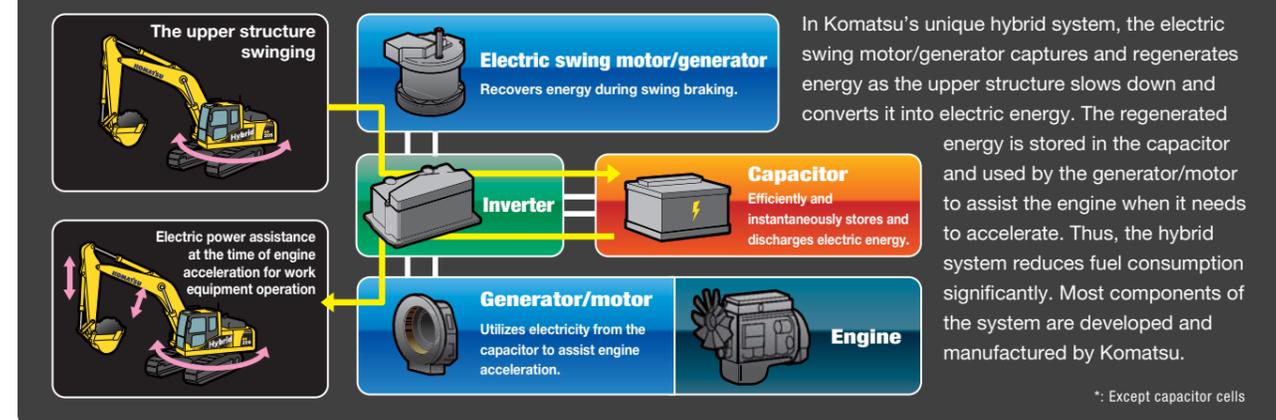


## Strengthened Revolving Frame

The revolving frame is reinforced to protect the hybrid components from impact.



## KOMATSU HYBRID SYSTEM



\*: Except capacitor cells

# WORKABILITY & ECOLOGY

**Komatsu's Next Generation Technologies that Enabled the Hydraulic Excavator to Satisfy both Environment-friendliness and High Working Performance.**

**HB205/215LC-1M0 realizes 22%\* reduction in fuel consumption while keeping a high level of performance and consumes less fuel even than HB205/215LC-1**

\* : Compared with PC200-8M0 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.

## Low Emission Engine

Komatsu SAA4D107E-1-A engine is EPA Tier 3 and EU Stage 3A emissions equivalent, without sacrificing power or machine productivity.



## Low Operation Noise

Enables low noise operation using the low-noise engine and methods to cut noise at source.

## Fuel-saving Technology

The technology of Engine and Pump control HB205/215LC-1M0 introduces the technology of Engine and Hydraulic Pump control, providing further fuel savings with sufficient oil flow at lower Engine speed.

## Assistance for Energy-saving Operation for Reduced CO<sub>2</sub> Emissions

### Work Mode Selectable

Selectable two work modes - P mode for large production and E mode for fuel-saving, it depends on your priority.

**P mode** – Power or production priority mode has improved fuel consumption, while maintaining maximum production.

**E mode** – Economy or fuel priority mode reduces fuel consumption, but maintains the P mode-like work equipment speed for light duty work.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on work loads.



### KOMTRAX Report for Supporting Energy-saving Operation

The report includes actual operating hours, hydraulic stall hours, etc of the machine, which are extracted from the KOMTRAX information. Customers can get the report and use it for energy-saving operation.

### Idling Caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.

### Fuel Consumption Monitor and ECO-gauge

The bar chart displayed at the center of the screen shows the average fuel consumption in previous 5 minutes to promote energy-saving operation. The screen can be switched to past average fuel consumption log screens for 12 hours and one week.

The ECO-gauge appears on the right of the screen. Operating the machine by keeping the gauge in the green zone reduces CO<sub>2</sub> emissions and fuel consumption as well.



Average fuel consumption monitor ECO-gauge

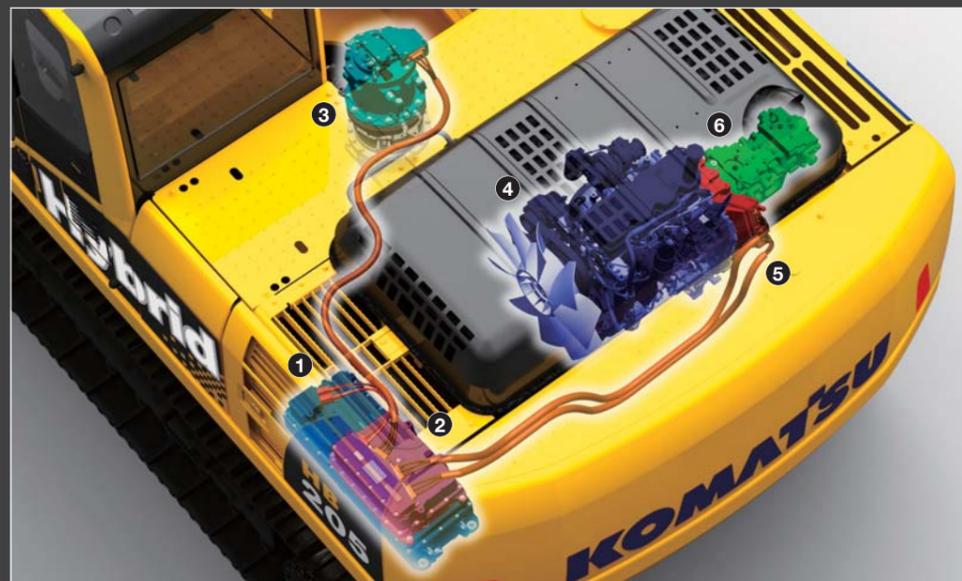
## TOTAL VEHICLE CONTROL & HYBRID SYSTEM

In addition to the engine, hydraulic components, main valve and electronic components that control them, the hybrid system components such as the generator/motor, swing electric motor/generator, inverter and capacitor are also developed and manufactured by Komatsu. They are neatly arranged on the machine. Controlling the inverter enables the optimum operation of the generator/motor, electric swing motor/generator and engine according to the work at hand, allowing the machine to demonstrate its potential fully while reducing fuel consumption significantly. The machine monitor displays the bar chart that indicates the average fuel consumption in the previous 5 minutes. The ECO-gauge shows the work load to assist the operator to perform energy-saving operations. Hybrid HB205/215LC-1M0 reduces CO<sub>2</sub> emissions making them environmentally-friendly machines.

### Fuel consumption



Compared with PC200-8M0 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.



- ① Capacitor
- ② Inverter
- ③ Electric swing motor / generator
- ④ Engine
- ⑤ Generator / motor
- ⑥ Main pump



# SAFETY & COMFORT

## Comfortable and Relaxing Operating Environment for the Operator

The silent and spacious ROPS cab and various safety features allow the operator to operate the machine comfortably and efficiently.



### Safety Design

#### Lock Lever

The lever makes all hydraulic controls in the cab inoperable. The neutral start function allows the engine to start with this lever only in LOCK position.

#### Retractable Seat Belt

#### Emergency Escape Hammer

#### Reinforced and Tinted Window Glass

Large Side-view, Rear, and Sidewise Mirrors  
Enlarged left-side mirror and addition of rear and side mirror allow the HB205/215LC-1M0 to meet the new ISO visibility requirements.



#### Side View Mirror

#### Rear View Monitoring System (optional)

#### Slip-resistant Plates

#### Thermal and Fan Guards

#### Pump/engine Room Partition

#### Large Handrail

#### Large Step

#### Travel Alarm

### Standard Equipment



Sliding window glass (left side)



Remote intermittent wiper with windshield washer



Opening and closing skylight



Defroster (conform to the ISO standard)



Cigar lighter



Magazine rack and cup holder



Plastic bottle storage



One-touch storable front window lower glass

Hybrid

### ROPS CAB

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of ISO OPG top guard level 1 for falling objects. Combined with the retractable seat belt, The ROPS cab protects the operator in case of tipping over and against falling objects.



### Comfortable Cab for Reduced Operator Fatigue

#### Low Noise Level similar to that of a modern automobile

#### Cab Damper Mounts

Significantly reduces vibration at operator seat.

#### Pressurized Cab

Auto air conditioner, air filter and a higher internal air pressure prevent external dust from entering the cab.

#### Wide Cab

Wide and spacious cab provides ample leg room, allowing an operator with a large body frame to take the appropriate operational posture. Reclining it further allows it to be placed into fully flat state with the headrest attached. The operator seat can be reclined, and the adjustment is up to fully flat position with the headrest attached.



#### Full-automatic Air Conditioner, with fresh air in take



# ICT & KOMTRAX

The up-to-date ICT Makes the KOMTRAX System Easy-to-use, Convenient, and Worthy of Your Confidence

KOMTRAX with advanced ICT assists the operator in operating the machine and the administrator in managing their machines and reducing fuel cost.

## Large Multi-lingual High Resolutional LCD Monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch large TFT LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 13 languages to globally support operators around the world.

TFT : Thin Film Transistor LCD : Liquid Crystal Display



Basic operation switches

Air conditioner operation switches

Function switches

### Indicators

- 1 Auto-decelerator
- 2 Working mode
- 3 Travel speed
- 4 Engine coolant temperature gauge
- 5 Hydraulic oil temperature gauge
- 6 Hybrid system temperature gauge
- 7 Fuel gauge
- 8 ECO-gauge
- 9 Average fuel consumption monitor
- 10 Function switches menu

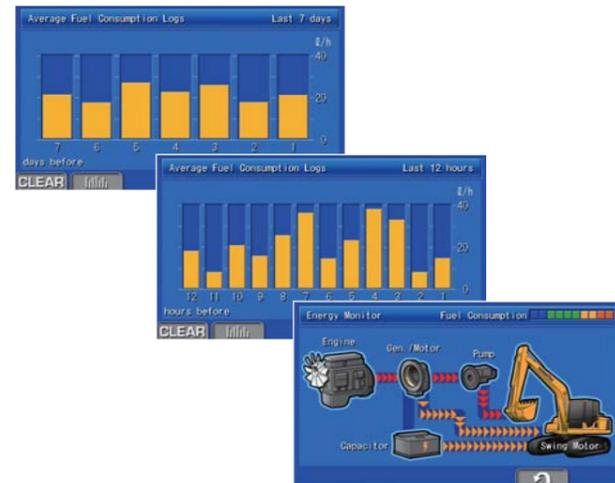
### Basic operation switches

- 1 Auto-decelerator
- 2 Working mode selector
- 3 Traveling selector
- 4 Buzzer cancel
- 5 Wiper
- 6 Windshield washer

## Operator Assistance Function for Effective and Efficient Operation

### Fuel Consumption and Energy Flow Screens

The operator can check information of recent fuel consumption rates and the energy flow among engine and hybrid components on the machine monitor at any time.



### Rear View Monitoring System that Conforms to ISO Standard (optional)

The machine is equipped with a rear view camera, allowing the operator to see the blind spot behind the machine on the large LCD monitor screen.



### Password Protection for Engine Start (Immobilizer)

The engine cannot be started unless the registered password is entered correctly.



### KOMTRAX Message

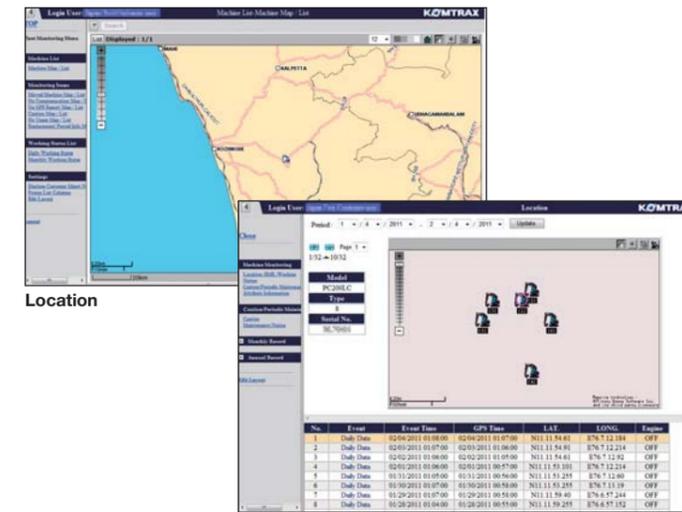
KOMTRAX communication function allows you to get and read messages from your Komatsu dealer on the machine monitor.

# KOMTRAX

Assists Customer's Equipment Management and Contributes to Fuel Cost Cutting

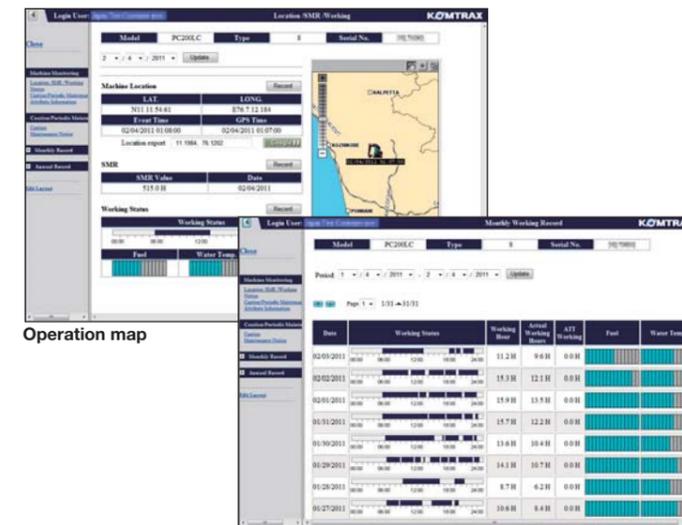
## Equipment Management Support

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.



Location

Movement generated position

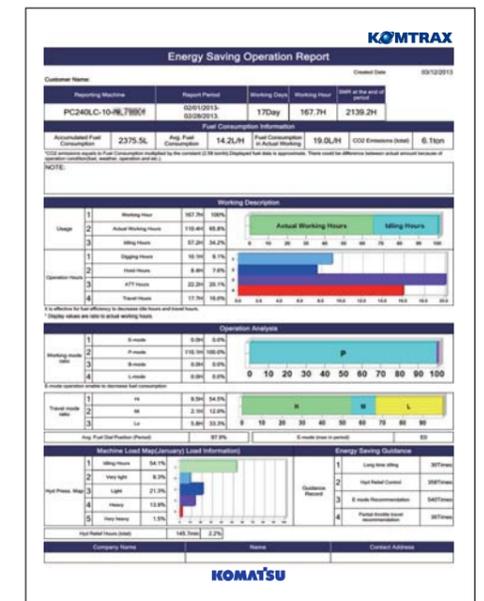


Operation map

Monthly status summary

## Energy-saving Operation Support Report

KOMTRAX can provide various useful information which includes the energy-saving operation support report created based on the operating information of your machine such as fuel consumption and idle time.



(e.g. PC240LC-10)

# MAINTENANCE

**Simplified Check and Maintenance Work for Keeping the Machine at its Best**

Hybrid

## Excellent Maintainability for Reduced Check and Maintenance Time

### Side-by-side Cooling

Since radiator, aftercooler and oil cooler are arranged in parallel, they are easy to clean, remove and install. Radiator, aftercooler, and oil cooler are made of aluminum, have high cooling efficiency, and are easily recycled.



### Gas Assisted Engine Hood Damper Cylinders



### Toolbox

The toolbox is installed currently with the step.



### Air Conditioner Filter

The air conditioner filter is removed and installed without the use of tools facilitating filter maintenance.



### Equipped with the Engine Eco-drain Valve as Standard.



Large Capacity Fuel Tank of 400 Liters with Rustproof Treatment

Sloping Track Frame for Reduced Accumulation of Dirt and Sand and Easy Removal

Washable Cab Floor Mat



## EMMS



**Accurate and Prompt Diagnosis Thanks to EMMS**

### EMMS (Equipment Management Monitoring System)

#### Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air clogging, etc. If controller finds any abnormality, it is displayed on the LCD.



#### Maintenance Function

Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.



#### Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.

### Equipped with the Fuel Pre-filter (with Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems. (with built-in priming pump)



### High Efficiency Fuel Filter

Fuel system reliability is even better with high efficiency fuel filter.



### Easy Access to Engine Oil Filter and Fuel Drain Valve



### Long-life Oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

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

Work Equipment Greasing Interval; Every 500 Hours

# SPECIFICATIONS

# HB205/HB215LC-1M0



## ENGINE

Model ..... Komatsu SAA4D107E-1-A  
 Type ..... Water-cooled, 4-cycle, direct injection  
 Aspiration ..... Turbocharged, aftercooled  
 Number of cylinders ..... 4  
 Bore ..... 107 mm  
 Stroke ..... 124 mm  
 Piston displacement ..... 4.46 L  
 Horsepower:  
 SAE J1995 ..... Gross 110 kW (148 HP) / 2000 min<sup>-1</sup>  
 ISO 9249 / SAE J1349 ..... Net 104 kW (139 HP) / 2000 min<sup>-1</sup>  
 Fan drive method for radiator cooling ..... Mechanical  
 Governor ..... All-speed control, electronic

EPA Tier 3 and EU Stage 3A emissions equivalent.



## HYDRAULICS

Type .. HydraulMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves

Number of selectable working modes ..... 5  
 Main pump:

Type ..... Variable displacement piston type  
 Pumps for ..... Boom, arm, bucket and travel circuits  
 Maximum flow ..... 439 L / min  
 Supply for control circuit ..... Self-reducing valve

Hydraulic motors:  
 Travel ..... 2 x axial piston motors with parking brake

Relief valve setting:  
 Implement circuits ..... 37.3 MPa 380 kg/cm<sup>2</sup>  
 Travel circuit ..... 37.3 MPa 380 kg/cm<sup>2</sup>  
 Pilot circuit ..... 3.2 MPa 33 kg/cm<sup>2</sup>

Hydraulic cylinders:  
 (Number of cylinders – bore x stroke x rod diameter)

Boom ..... 2–120 mm x 1334 mm x 85 mm  
 Arm ..... 1–135 mm x 1490 mm x 95 mm  
 Bucket for 2.41 m arm ..... 1–115 mm x 1120 mm x 80 mm  
 for 2.93 m arm ..... 1–115 mm x 1120 mm x 80 mm



## DRIVES AND BRAKES

Steering control ..... Two levers with pedals  
 Drive method ..... Hydrostatic  
 Maximum drawbar pull ..... 178 kN 18200 kg  
 Gradeability ..... 70%, 35°  
 Maximum travel speed: High ..... 5.5 km/h  
 (Auto-Shift) Mid ..... 4.1 km/h  
 (Auto-Shift) Low ..... 3.0 km/h  
 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 ..... 12.4 min<sup>-1</sup>



## UNDERCARRIAGE

Center frame ..... X-frame  
 Track frame ..... Box-section  
 Seal of track ..... Sealed track  
 Track adjuster ..... Hydraulic  
 Number of shoes (each side)  
 HB205-1M0 ..... 45  
 HB215LC-1M0 ..... 49  
 Number of carrier rollers ..... 2 each side  
 Number of track rollers (each side)  
 HB205-1M0 ..... 7  
 HB215LC-1M0 ..... 9



## COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 400 L  
 Coolant (Engine) ..... 17.3 L  
 (Hybrid) ..... 5.5 L  
 Final drive, each side ..... 3.3 L  
 Swing drive ..... 7.1 L  
 Swing motor ..... 1.6 L  
 Generator motor ..... 6.0 L  
 Hydraulic tank ..... 135 L



## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 5700 mm one-piece boom, 2925 mm arm, SAE heaped 0.80 m<sup>3</sup> backhoe bucket, rated capacity of lubricants, coolant, full fuel tank and standard equipment.

| Shoes  | HB205-1M0        |                                     | HB215LC-1M0      |                                     |
|--------|------------------|-------------------------------------|------------------|-------------------------------------|
|        | Operating Weight | Ground Pressure                     | Operating Weight | Ground Pressure                     |
| 600 mm | 20200 kg         | 46.3 kPa<br>0.47 kg/cm <sup>2</sup> | 21220 kg         | 44.0 kPa<br>0.45 kg/cm <sup>2</sup> |
| 700 mm | 20580 kg         | 40.4 kPa<br>0.41 kg/cm <sup>2</sup> | 21600 kg         | 38.3 kPa<br>0.39 kg/cm <sup>2</sup> |
| 800 mm | 20830 kg         | 35.8 kPa<br>0.37 kg/cm <sup>2</sup> | 21850 kg         | 33.9 kPa<br>0.35 kg/cm <sup>2</sup> |

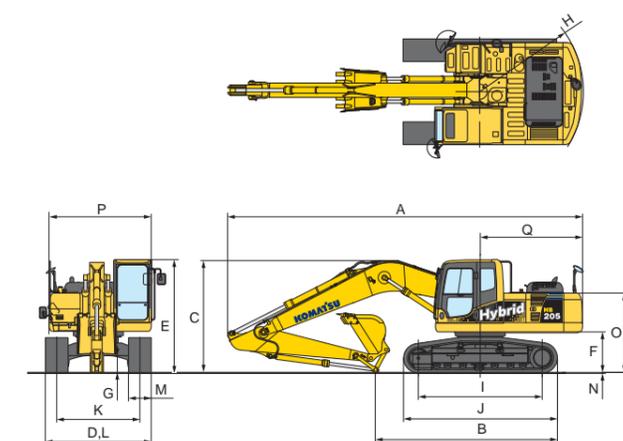


## DIMENSIONS

|   |                     |
|---|---------------------|
| <b>Arm Length</b>                         | <b>2925 mm</b>      |
| <b>A</b> Overall length                   | 9425 mm             |
| <b>B</b> Length on ground (transport) :   | HB205-1M0 4815 mm   |
|   | HB215LC-1M0 5000 mm |
| <b>C</b> Overall height (to top of boom)* | 2970 mm             |

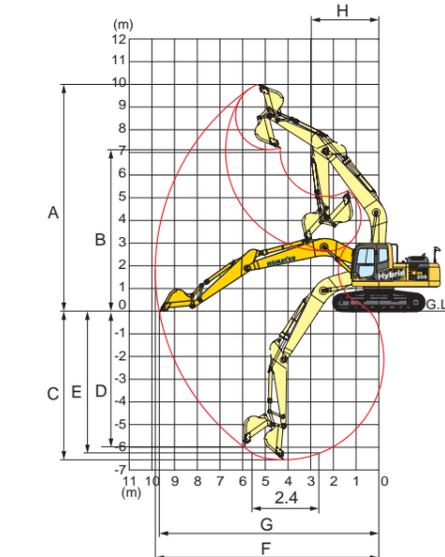
|   | HB205-1M0 | HB215LC-1M0 |
|---|-----------|-------------|
| <b>D</b> Overall width                      | 2800 mm   | 3080 mm     |
| <b>E</b> Overall height (to top of cab)*    | 3040 mm   | 3040 mm     |
| <b>F</b> Ground clearance, counterweight    | 1085 mm   | 1085 mm     |
| <b>G</b> Ground clearance (minimum)         | 440 mm    | 440 mm      |
| <b>H</b> Tail swing radius                  | 2750 mm   | 2750 mm     |
| <b>I</b> Track length on ground             | 3275 mm   | 3655 mm     |
| <b>J</b> Track length                       | 4070 mm   | 4450 mm     |
| <b>K</b> Track gauge                        | 2200 mm   | 2380 mm     |
| <b>L</b> Width of crawler                   | 2800 mm   | 3080 mm     |
| <b>M</b> Shoe width                         | 600 mm    | 700 mm      |
| <b>N</b> Grouser height                     | 26 mm     | 26 mm       |
| <b>O</b> Machine cab height                 | 2095 mm   | 2095 mm     |
| <b>P</b> Machine cab width                  | 2710 mm   | 2710 mm     |
| <b>Q</b> Distance, swing center to rear end | 2710 mm   | 2710 mm     |

\* : Including grouser height



## WORKING RANGE

|  | Arm Length                         | 2925 mm            |
|--|------------------------------------|--------------------|
| <b>A</b> Max. digging height                         |                                    | 10000 mm           |
| <b>B</b> Max. dumping height                         |                                    | 7110 mm            |
| <b>C</b> Max. digging depth                          |                                    | 6620 mm            |
| <b>D</b> Max. vertical wall digging depth            |                                    | 5980 mm            |
| <b>E</b> Max. digging depth of cut for 2400 mm level |                                    | 6370 mm            |
| <b>F</b> Max. digging reach                          |                                    | 9875 mm            |
| <b>G</b> Max. digging reach at ground level          |                                    | 9700 mm            |
| <b>H</b> Min. swing radius                           |                                    | 3040 mm            |
| <b>SAE rating</b>                                    | Bucket digging force at power max. | 132 kN<br>13500 kg |
|  | Arm crowd force at power max.      | 103 kN<br>10500 kg |
| <b>ISO rating</b>                                    | Bucket digging force at power max. | 149 kN<br>15200 kg |
|  | Arm crowd force at power max.      | 108 kN<br>11000 kg |



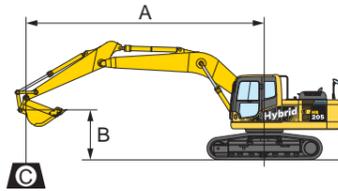
## BACKHOE BUCKET, ARM, AND BOOM COMBINATION

| Bucket Capacity (heaped) |                     | Width                |                   | Weight            | Number of Teeth | Arm Length<br>2925 mm |
|--------------------------|---------------------|----------------------|-------------------|-------------------|-----------------|-----------------------|
| SAE, PCSA                | CECE                | Without Side Cutters | With Side Cutters | With Side Cutters |                 |                       |
| 0.80 m <sup>3</sup>      | 0.70 m <sup>3</sup> | 1045 mm              | 1170 mm           | 635 kg            | 5               | ○                     |
| 0.93 m <sup>3</sup>      | 0.80 m <sup>3</sup> | 1200 mm              | 1325 mm           | 696 kg            | 5               | ●                     |
| 1.05 m <sup>3</sup>      | 0.90 m <sup>3</sup> | 1330 mm              | 1455 mm           | 757 kg            | 6               | ●                     |

○ : General purpose use, density up to 1.8 t/m<sup>3</sup> ● : Light duty work, density up to 1.2 t/m<sup>3</sup>



## LIFTING CAPACITY WITH LIFTING MODE



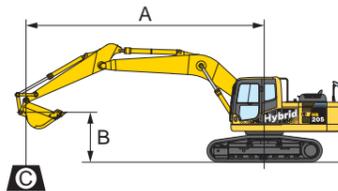
- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊕: Rating at maximum reach

### Conditions :

- 5700 mm one-piece boom
- 0.8m<sup>3</sup> SAE heaped bucket
- Shoe width :  
—HB205-1M0 600 mm triple grouser

| HB205-1M0 Arm: 2925 mm Bucket: 0.8 m <sup>3</sup> SAE heaped Shoe: 600 mm triple grouser |          |          |          |         |          |          |          |          |           |          |          |          |
|--|----------|----------|----------|---------|----------|----------|----------|----------|-----------|----------|----------|----------|
| B  | ⊕ MAX    |          | 7.5 m    |         | 6.0 m    |          | 4.5 m    |          | 3.0 m     |          | 1.5 m    |          |
|  | Cf       | Cs       | Cf       | Cs      | Cf       | Cs       | Cf       | Cs       | Cf        | Cs       | Cf       | Cs       |
| 7.5 m  | *2900 kg | *2900 kg |          |         | *4050 kg | *4050 kg |          |          |           |          |          |          |
| 6.0 m  | *2750 kg | 2600 kg  | *3100 kg | 2600 kg | *4250 kg | 4100 kg  |          |          |           |          |          |          |
| 4.5 m  | *2750 kg | 2150 kg  | 4000 kg  | 2550 kg | *4850 kg | 3900 kg  | *5500 kg | *5500 kg |           |          |          |          |
| 3.0 m  | *2900 kg | 1900 kg  | 3850 kg  | 2450 kg | 5650 kg  | 3650 kg  | *7700 kg | 5850 kg  | *11600 kg | 11450 kg |          |          |
| 1.5 m  | 2950 kg  | 1800 kg  | 3700 kg  | 2300 kg | 5400 kg  | 3400 kg  | 8700 kg  | 5300 kg  | *6800 kg  | *6800 kg |          |          |
| 0 m  | 3000 kg  | 1800 kg  | 3600 kg  | 2200 kg | 5150 kg  | 3200 kg  | 8300 kg  | 4950 kg  | *5150 kg  | *5150 kg |          |          |
| -1.5 m   | 3300 kg  | 2000 kg  | 3550 kg  | 2150 kg | 5050 kg  | 3050 kg  | 8100 kg  | 4850 kg  | *9300 kg  | *9300 kg | *5150 kg | *5150 kg |
| -3.0 m   | 3950 kg  | 2400 kg  |          |         | 5050 kg  | 3100 kg  | 8200 kg  | 4900 kg  | *14800 kg | 9850 kg  | *9700 kg | *9700 kg |
| -4.5 m   | 5700 kg  | 3500 kg  |          |         |          |          | 8400 kg  | 5100 kg  | *12950 kg | 10200 kg |          |          |

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard No. J1097. 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 :

- 5700 mm one-piece boom
- 0.8m<sup>3</sup> SAE heaped bucket
- Shoe width :  
—HB215LC-1M0 700 mm triple grouser

| HB215LC-1M0 Arm: 2925 mm Bucket: 0.8 m <sup>3</sup> SAE heaped Shoe: 700 mm triple grouser |          |          |          |         |          |          |           |          |           |           |          |          |
|--|----------|----------|----------|---------|----------|----------|-----------|----------|-----------|-----------|----------|----------|
| B  | ⊕ MAX    |          | 7.5 m    |         | 6.0 m    |          | 4.5 m     |          | 3.0 m     |           | 1.5 m    |          |
|  | Cf       | Cs       | Cf       | Cs      | Cf       | Cs       | Cf        | Cs       | Cf        | Cs        | Cf       | Cs       |
| 7.5 m  | *2900 kg | *2900 kg |          |         | *4050 kg | *4050 kg |           |          |           |           |          |          |
| 6.0 m  | *2750 kg | *2750 kg | *3100 kg | 3050 kg | *4250 kg | *4250 kg |           |          |           |           |          |          |
| 4.5 m  | *2750 kg | 2550 kg  | *4600 kg | 3000 kg | *4850 kg | 4500 kg  | *5500 kg  | *5500 kg |           |           |          |          |
| 3.0 m  | *2900 kg | 2250 kg  | 4800 kg  | 2850 kg | *5900 kg | 4200 kg  | *7700 kg  | 6800 kg  | *11600 kg | *11600 kg |          |          |
| 1.5 m  | *3200 kg | 2150 kg  | 4600 kg  | 2750 kg | 6700 kg  | 3950 kg  | *9800 kg  | 6250 kg  | *6800 kg  | *6800 kg  |          |          |
| 0 m  | *3700 kg | 2200 kg  | 4500 kg  | 2600 kg | 6500 kg  | 3750 kg  | 10550 kg  | 5850 kg  | *5150 kg  | *5150 kg  |          |          |
| -1.5 m   | 4150 kg  | 2400 kg  | 4450 kg  | 2550 kg | 6350 kg  | 3650 kg  | 10400 kg  | 5750 kg  | *9300 kg  | *9300 kg  | *5150 kg | *5150 kg |
| -3.0 m   | 4950 kg  | 2900 kg  |          |         | 6350 kg  | 3650 kg  | *10400 kg | 5800 kg  | *14800 kg | 11800 kg  | *9700 kg | *9700 kg |
| -4.5 m   | *6700 kg | 4100 kg  |          |         |          |          | *9100 kg  | 6000 kg  | *12950 kg | *12000 kg |          |          |

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



## STANDARD EQUIPMENT

### ENGINE

- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA4D107E-1-A
- Engine overheat prevention system
- Radiator and oil cooler dust proof net
- Suction fan

### ELECTRICAL SYSTEM

- Auto-decel
- Alternator, 24 V/60 A
- Batteries, 2 × 12 V/110 Ah
- Starting motor, 24 V/4.5 kW
- Working light, 2 (boom and RH)

### HYDRAULIC SYSTEM

- Boom holding valve
- PPC hydraulic control system
- Power maximizing system
- Working mode selection system

### GUARDS AND COVERS

- Fan guard structure
- Track guiding guard, center section

### UNDERCARRIAGE

- Hydraulic track adjusters (each side)
- Track roller  
—HB205-1M0 7 each side  
—HB215LC-1M0 9 each side
- Track shoe  
—HB205-1M0 600 mm triple grouser  
—HB215LC-1M0 700 mm triple grouser

### OPERATOR ENVIRONMENT

- Air conditioner defroster
- Multi-function color monitor
- Rear view mirrors (RH,LH,sideview)
- ROPS cab (ISO 12117-2)

### OTHER EQUIPMENT

- Counterweight
- Electric horn
- EMMS monitoring system
- KOMTRAX
- Rear reflector
- Slip-resistant plates
- Travel alarm



## OPTIONAL EQUIPMENT

### ENGINE

- Additional filter system for poor-quality fuel
- Large capacity fuel pre-filter



### ELECTRICAL SYSTEM

- Alternator, 24 V/35 A
- Batteries, large capacity
- Convator, 12 V
- Starting motor 24 V/5.5 kW
- Working lights  
—2 on cab  
—1 on counterweight

### HYDRAULIC SYSTEM

- Long lubricating intervals for work equipment bushing (500 h)
- Service valve

### UNDERCARRIAGE

- Shoes, triple grouser  
—HB205-1M0 700 mm, 800 mm  
—HB215LC-1M0 600 mm, 800 mm

### OPERATOR ENVIRONMENT

- Bolt-on top guard (Operator Protective Guards level 2 (OPG))
- Cab accessories  
—Rain visor  
—Sun visor
- Cab front guard  
—Full height guard  
—Half height guard
- Rear view monitoring system
- Seat, suspension
- Seat belt, retractable

### WORK EQUIPMENT

- Arms  
—2925 mm arm assembly



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