







# CLEAN AND POWERFUL EXCAVATOR

**Clean &** 

**Powerful** 

Kubota KX080-4 excavator delivers all the power you need while going easy on the

environment thanks to new direct injection diesel engine with Common Rail System (CRS) and Diesel Particulate Filter (DPF) muffler, and a host of functions and equipment including ECO PLUS. Furthermore, its digging force is

ECU

Rail

Supply

pump

superior among 8-tonne excavators.

# Kubota Original DI Engine with CRS and DPF Muffler

Kubota's original Direct injection (DI) engine helps maximize digging strength while minimising noise, fuel consumption and exhaust emissions simultaneously. The CRS electronically controls the fuel injection timing and amount in stages rather than all at once for optimal combustion. The results are greater efficiency, better fuel economy and less engine noise. Its combination with the Exhaust Gas Recirculation (EGR) and DPF Muffler reduces emissions to make the KX080-4 Stage III B compliant.

# **Auto Idling System**

Kubota's Auto Idling System is fitted as standard. When the control levers are left in neutral for longer than 4 seconds, the idling system automatically reduces the engine to idling RPM. When the levers are moved again, engine RPM is immediately reset to the dial-set RPM. This innovative feature reduces noise and exhaust emissions, in addition to saving energy and running costs.

# Load-Sensing Hydraulic System

Kubota's load-sensing hydraulic system ensures smoother operation, regardless of load size. It allows hydraulic oil to flow according to the specific range of the operator's lever motion. As a result, it reduces fuel consumption and delivers greater overall operating performance.

# 1. Adjustable Maximum Oil Flow on Auxiliary Circuit (AUX1/AUX2)

Two proportional control auxiliary circuits (AUX1/AUX2) come as standard on the KX080-4. The convenient switch on the left and right lever allows simple and accurate yet minute operation for a wide variety of attachments.

The maximum oil flow settings of both circuits are conveniently adjustable from the drivers seat via the digital display panel – no additional tools or complex manual adjusting procedures are necessary. You can programme up to five oil flow rates corresponding to specific attachments into the memory of the digital display panel. Programmed settings can be quickly retrieved for the required job. The system comes with nine preinstalled attachment icons.



# Versatility

In addition to the first auxiliary circuit (AUX1), all KX080-4 excavators, including the 2-piece boom version, feature a second auxiliary circuit (AUX2) as standard equipment, making it easy to use a wide variety of attachments.

# **Digging Force**

The KX080-4's well-balanced arm and bucket provide unparalleled power for superior digging force among 8-tonne class excavators. This means that the KX080-4 can dig faster and more efficiently, even in the toughest conditions.

# Smooth and Efficient Travel Performance

The KX080-4 is fitted with an advanced two-speed auto-shift feature, which automatically adjusts speed and traction force depending on load size and terrain to enhance travel performance and ensure smooth and easy operation.

# DELUXE INTERIOR

# Spacious & Comfortable

On the KX080-4, your comfort truly comes first. The luxurious cabin features a wider entrance, generous legroom and a deluxe seat. The Roll-over Protective Structure (ROPS) and Operator Protective Guard (OPG, ISO10262. Level 1 as standard, level 2 as optional with Top Guard.) maximise safety. Operation is greatly enhanced with more easy-to-use features than ever before.



# **New Air Conditioner**

Overall cooling performance in the cab has been improved, thanks to a stronger airflow.



# **Deluxe Suspension Seat**

Designed and engineered with comfort in mind, Kubota's high-back suspension seat reduces strain and minimises operator fatigue. It reclines to accommodate your individual posture, and offers weight compensation, firm wrist support and retractable seat belts.

# 1. New Digital Display Panel

Informative, interactive and functional, Kubota's Intelligent Control System LCD panel accurately displays timely diagnostic readings and routine maintenance alerts. Information such as engine RPM, engine temperature, fuel level, machine hours and a 90 day usage register with recorded machine hours for each day the machine is worked are also displayed.

### 2. Easy-open Front Window

Unlike many excavator windows, the front window of the KX080-4 opens with ease. Just flip the latches on both sides of the window and slide it up. A gas-assist mechanism makes this action almost effortless.



# 3. Front Window Guard / Top Guard (Optional)

Operators who require additional protection from flying chips and debris when using some attachments or when antivandalism is important. Kubota provides the window guard mounting points around the front window as a standard feature.

# LH Control Lever Console

Raise the safety control lever and the console moves up with it, providing more room for entry and exit. To prevent unexpected machine movement during entry or exit, all control levers are then disabled until the console is back in place.



# **ROPS/FOPS** Cabin

Kubota has adopted a cabin that is certified as a Roll-over Protection Structure and a Falling Object Protection Structure. Coupled with the safety belt, this ensures maximum operator safety.

# **Advanced Visibility Mirrors**

The big rear-view mirror offers a wide range of visibility. Together with the two side-view mirrors, you get a better view of your worksite, as well as your immediate surroundings.



# **Cup Holder**

With the convenience of a bigger cup holder, you can quench your thirst and work longer without leaving the cab. Or store your cell phone. There is a 12V charging port located conveniently close by.

# MAINTENANCE AND SAFETY

# Dependability & Protection

Kubota goes the extra mile to simplify inspections and maintenance for the KX080-4. Vital components, battery, fluid tanks and filters are now easier to access than ever. And the new Automatic Regeneration System keeps the DPF muffler clean to keep the KX080-4 going for years ahead.



# **Triple Opening Bonnet**

All three of the excavator's access panels can open at once. This allows you to easily inspect and view the centrally located components of the KX080-4. You can easily access the hydraulic components under the centre bonnet, or the battery, oil filter and toolbox and grease gun space under the right bonnet. Maintaining your excavator has never been so easy.

A. Dual Element Air Cleaner E. Starter Motor **B.** DPF Muffler **C.** Fuel Filter D. Alternator

F. Control Valves **Oil Filter** 

H. Battery I. Water Separator G. Hydraulic Return J. Toolbox with Grease Gun Space

# Automatic Regeneration System

Kubota's original automatic regeneration system automatically burns accumulated particulate matter (soot) in the DPF muffler to keep the muffler clean for longer operation. For safety reasons, automatic regeneration can be turned off with the inhibit switch when the excavator is operating in areas that are prone to fires. The current DPF regeneration



condition is displayed on the digital display panel so you can focus on your job.

# 1. 2. Easy Maintenance

Parts that require routine maintenance and inspection such as the engine oil level and V-belt are easy to access. In addition, all filters are located near the bonnet opening to simplify their replacement.

A. Engine Oil Dipstick B. Engine Fan Belt

#### *C. Oil Gauge D. Radiator Cooler Tank*

# 3. Tank Electric Refuelling Pump

The KX080-4's standard diesel refueling pump includes an auto-stop function that minimizes spillage and increases safety. Complete tank filling takes approximately three minutes.

# 4. Safety (Anti-drop) Valve on the Boom

The KX080-4 is fitted with a boom-lowering control device as standard.

# 5. Double Structure Exhaust Gas Pipe

The double structure exhaust gas pipe helps to reduce the increases in exhaust gas temperatures caused by the DPF automatic regeneration process to minimise the risk of danger to people nearby and the environment.

### Variable Speed Fan

The variable speed fan drive provides the right amount of cooling efficiency by regulating the engine fan speed according to the ambient temperature after the air passes through the radiator. The benefits are reduced fan noise and fuel savings through effective use of engine output.





# **Two-Piece Hose Design**

Kubota's innovative two-piece hose design for the dozer blade reduces hose replacement time by nearly 60% compared to one piece hose. This design virtually eliminates the need to enter the machine for maintenance.

# **Tight Tail Swing**

The KX080-4 is designed with a shorter rear overhang, ensuring improved workability in restricted space, increased versatility, and better stability. The rear overhang also features cast-iron protectors, which significantly reduce damage to the machine in space restricted work sites.

# **Compact Machine Width**

The KX080-4's narrow 2200 mm width makes it ideal for working in close conditions, and much easier to transport between job sites.

# 2-PIECE BOOM VERSION

The KX080-4 can be equipped with a two-piece boom so you can **Further &** take on tougher jobs in a wider range of sites. Furthermore, with Deeper it's easy to control and smooth operation the extra versatility even under difficult working conditions minimises operator fatigue. High dumping reach Extended reach A **Close digging capability C** Efficient vertical digging 1000804

# 2-piece Boom's Dynamic Working Range

The 2-piece boom offers a versatile working range so you can reach further, deeper, closer and anywhere in between.

#### A. Expanded working range

The versatile 2-piece boom offers a long reach and close retraction to make levelling large areas more efficient and productive. Plus, it's easy to dig close to the machine, eliminating the need for constant repositioning. It's particularly effective when working in narrow spaces.

#### **B.** Impressive dumping range

The 2-piece boom enables you to dump farther and higher, and offers a high bucket bottom position, making it smooth and easy to dump into Lorries without repositioning the excavator.

#### C. Efficiency in narrow spaces

When space is restricted, the 2-piece boom manoeuvres easily to simplify vertical digging and efficiently make deep walls at 90° angles. And, it offers a compact front swivel radius to make turning and lifting operations in tight spaces even easier.

# **Easy Boom Control**

The user-friendly design and location of the 2-piece boom pedal makes operation extremely simple. Located to the left of the driving pedals, the operator simply needs to flip the footpad, and depress the right side of the pedal to extend the boom, or the left side to retract it. This feature greatly simplifies the footwork necessary to smoothly operate the boom.



# Smooth Simultaneous Operation

Kubota's 2-piece boom offers reliably smooth and fast performance. Its innovative hydraulic mechanism enables the operator to easily run the arm, boom, bucket, and swivel simultaneously, boosting work efficiency and increasing productivity.

# Kubota Original Anti-theft System

Your KX080-4 is protected by Kubota's industry-leading antitheft system. Only programmed keys will enable the engine to start up. Attempting to start with an un-programmed key will activate the alarm. Newly enhanced features include an alert to remind the operator to extract the key after operation, and an LED to alert potential thieves that the system is activated.





The red programming key programs the individual keys. The individual black keys start the engine.

# **Standard Equipment**

# Engine/Fuel system

- Double-element air filter
- Automatic fuel bleed system
- Auto idling system
- Tank electric refuelling pump
- Variable speed fan
- Water separator

# Undercarriage

- (450 mm) rubber track
- •1 x upper track roller
- 5 single-flange track rollers on each track
- 2-speed travel switch on dozer lever

# Hydraulic system

- Pressure accumulator
- Hydraulic pressure checking ports
- Third line hydraulic return with lever
- 3-pump load sensing system
- Adjustable maximum oil flow on auxiliary hydraulic circuits (AUX1/AUX2)
- Auxiliary switch (AUX1) on right control lever (proportional)
- Auxiliary switch (AUX2) on left control lever (proportional)
- 2-speed travel with auto-shift

# Safety system

- LH control lever console
- Travel motor with disc brake
- Swivel motor with disc brake
- Overload warning buzzer
- Kubota original anti-theft system
- Anti-drop valve on the boom (ISO8643)

# Working equipment

- Auxiliary hydraulic circuit piping to the arm end
- •2 working lights on cabin and 1 light on the boom
- •2100 mm arm
- Bracket and harness for beacon light

#### Cabin

- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure) Level 1
- Weight-adjustable full suspension seat
- Retractable seatbelt
- Hydraulic pilot control levers with adjustable wrist rests
- Travel levers with foot pedals
- Air conditioning
- Cabin heater for defrosting & demisting
- Digital display panel
- Front window power-assisted with gas damper

- 12 V power source
- Front window guard mounting points
- 2 speakers and radio aerial
- Location for radio
- Cup holder
- Emergency exit hammer

# **Optional Equipment**

#### Undercarriage

• 450 mm steel track (+ 50 kg)

#### Working equipment

• 1750 mm arm (- 22 kg)

#### Safety system

- Anti-drop valve unit on the dozer
- Anti-drop valve unit on the arm

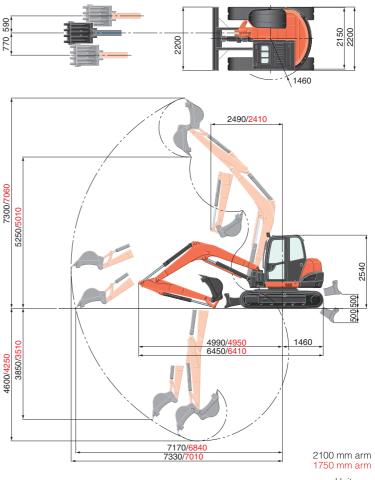
#### Others

- Special paint upon request
- Light weight version (-195 kg)
- Beacon light

# **SPECIFICATIONS**

|                  | *with                       | rubber shoe, JPN           | bucket and 2100 mm arm                                   |  |  |  |
|------------------|-----------------------------|----------------------------|--|--|--|--|
| Machine weigh    | nt                          | kg                         | 8195   |  |  |  |
| Operating weight | ght                         | kg                         | 8270   |  |  |  |
| Bucket capaci    | ity, std. SAE/CECE          | m³                         | 0.25/0.21  |  |  |  |
| Bucket           | With side teeth             | mm                         | 800  |  |  |  |
| width            | Without side teeth          | mm                         | 700  |  |  |  |
|                  | Model                       |                            | V3307-CR-TE4   |  |  |  |
|                  | Туре                        |                            | Water-cooled, diesel engine<br>E-CDIS (with CRS and DPF) |  |  |  |
| Engine           | Output ISO9249              | PS/rpm                     | 65.0/2000  |  |  |  |
| Liigine          | Output 1309249              | kW/rpm                     | 47.8/2000  |  |  |  |
|                  | Number of cylinder          | S                          | 4  |  |  |  |
|                  | $Bore \times Stroke$        | mm                         | 94 × 120   |  |  |  |
|                  | Displacement                | cc                         | 3331   |  |  |  |
| Swivelling spe   | eed                         | rpm                        | 9.5  |  |  |  |
| Rubber shoe      | width                       | mm                         | 450  |  |  |  |
| Tumbler dista    | ance                        | mm                         | 2300   |  |  |  |
| Dozer size (w    | ridth $	imes$ height)       | mm                         | 2200 × 500   |  |  |  |
|                  | P1,P2                       |                            | Variable displacement pump                               |  |  |  |
|                  | Flow rate                   | ℓ/min                      | 72.0 × 2   |  |  |  |
| Hydraulic        | Hydraulic pressure          | MPa (kgf/cm²)              | 27.4 (280)   |  |  |  |
| pumps            | P3                          |                            | Gear type  |  |  |  |
|                  | Flow rate                   | ℓ/min                      | 66.6   |  |  |  |
|                  | Hydraulic pressure          | MPa (kgf/cm <sup>2</sup> ) | 20.6 (210)   |  |  |  |
| Max. digging     | Arm                         | kN (kgf)                   | 38.1 (3880)  |  |  |  |
| force            | Bucket                      | kN (kgf)                   | 65.2 (6650)  |  |  |  |
| Boom swing a     | angle (left/right)          | deg                        | 70/60  |  |  |  |
| Minimum front sw | vivel radius with boom swir | g (left/right)             | 2050/2380  |  |  |  |
| Auxiliary        | Max. Flow rate              | ℓ/min                      | 100  |  |  |  |
| circuit (SP1)    | Max. Hydraulic pressure     | MPa (kgf/cm <sup>2</sup> ) | 20.6 (210)   |  |  |  |
| Auxiliary        | Max. Flow rate              | ℓ/min                      | 66.6   |  |  |  |
| circuit (SP2)    | Max. Hydraulic pressure     | MPa (kgf/cm <sup>2</sup> ) | 20.6 (210)   |  |  |  |
| Hydraulic res    | , ,                         | l                          | 75   |  |  |  |
| Fuel tank cap    | acity                       | l                          | 115  |  |  |  |
| Max. travellin   |                             | km/h                       | 2.7  |  |  |  |
| speed            | High                        | km/h                       | 4.9  |  |  |  |
| Ground conta     | 5                           | kPa (kgf/cm <sup>2</sup> ) | 34.6 (0.353)   |  |  |  |
| Ground cleara    | •                           | mm                         | 390  |  |  |  |
| 2. 54.14 6.6416  |                             |                            |  |  |  |  |

# **WORKING RANGE**



Unit:mm

# LIFTING CAPACITY

| Lift Point<br>Height |             | Lifting     | point radiu | s (Min)     | Lifting point radius (4m) |             |             | Lifting point radius (5m) |             |             | Lifting point radius (Max) |             |            |
|----------------------|-------------|-------------|-------------|-------------|---------------------------|-------------|-------------|---------------------------|-------------|-------------|----------------------------|-------------|------------|
|                      |             | Over-front  |             |             | Over-front                |             |             | Over-front                |             |             | Over-front                 |             |            |
|                      |             | Blade Down  | Blade Up    | Over-side   | Blade Down                | Blade Up    | Over-side   | Blade Down                | Blade Up    | Over-side   | Blade Down                 | Blade Up    | Over-side  |
| 5m                   | 1750 Arm    |             |             |             | 16.7 (1.70)               | 16.7 (1.70) | 15.7 (1.60) |                           |             |             |                            |             |            |
| 5m                   | 2100 Arm    |             |             |             | 14.2 (1.45)               | 14.2 (1.45) | 14.2 (1.45) |                           |             |             |                            |             |            |
| 3m                   | 1750 Arm    |             |             |             | 20.1 (2.05)               | 19.6 (2.00) | 15.2 (1.55) | 17.2 (1.75)               | 13.7 (1.40) | 10.3 (1.05) |                            |             |            |
| 3m                   | 2100 Arm    |             |             |             | 18.1 (1.85)               | 18.1 (1.85) | 15.2 (1.55) | 16.2 (1.65)               | 13.7 (1.40) | 10.8 (1.10) |                            |             |            |
| 1.5m                 | 1750 Arm    |             |             |             | 26.0 (2.65)               | 18.1 (1.85) | 13.7 (1.40) | 20.1 (2.05)               | 12.7 (1.30) | 9.8 (1.00)  | 17.1 (1.74)                | 10.7 (1.09) | 8.2 (0.84) |
|                      | 2100 Arm    |             |             |             | 24.5 (2.50)               | 18.1 (1.85) | 13.7 (1.40) | 19.1 (1.95)               | 13.2 (1.35) | 9.8 (1.00)  | 15.9 (1.62)                | 9.3 (0.95)  | 7.0 (0.71) |
| 1m                   | 1750 Arm    |             |             |             | 27.4 (2.80)               | 17.6 (1.80) | 13.2 (1.35) | 20.6 (2.10)               | 12.7 (1.30) | 9.8 (1.00)  |                            |             |            |
| 1 111                | 2100 Arm    |             |             |             | 26.5 (2.70)               | 17.6 (1.80) | 13.2 (1.35) | 20.1 (2.05)               | 12.7 (1.30) | 9.8 (1.00)  |                            |             |            |
| 0m                   | 1750 Arm    |             |             |             | 28.4 (2.90)               | 17.2 (1.75) | 12.7 (1.30) | 21.1 (2.15)               | 12.3 (1.25) | 9.3 (0.95)  |                            |             |            |
| Um                   | 2100 Arm    |             |             |             | 28.4 (2.90)               | 17.2 (1.75) | 12.7 (1.30) | 21.1 (2.15)               | 12.3 (1.25) | 9.3 (0.95)  |                            |             |            |
| -1m                  | 1750 Arm    | 37.7 (3.85) | 37.7 (3.85) | 37.7 (3.85) | 27.4 (2.80)               | 17.2 (1.75) | 12.7 (1.30) | 20.1 (2.05)               | 12.3 (1.25) | 9.3 (0.95)  |                            |             |            |
| -1111                | 2100 Arm    | 28.4 (2.90) | 28.4 (2.90) | 28.4 (2.90) | 27.9 (2.85)               | 16.7 (1.70) | 12.3 (1.25) | 20.6 (2.10)               | 12.3 (1.25) | 9.3 (0.95)  |                            |             |            |
| -3m                  | 1750 Arm    |             |             |             |                           |             |             |                           |             |             |                            |             |            |
| -5 m                 | 2100 Arm    |             |             |             | 16.2 (1.65)               | 16.2 (1.65) | 12.7 (1.30) |                           |             |             |                            |             |            |
| *Ligl                | ht weight v | ersion      |             |             |                           |             |             |                           |             |             |                            |             |            |
|                      |             | Lifting     | point radiu | ıs (Min)    | Lifting                   | point radiu | ıs (4m)     | Lifting point radius (5m) |             |             | Lifting point radius (Max) |             |            |
| Lift Point           |             | Over-front  |             |             | Over-front                |             |             | Over-front                |             |             | Over-front                 |             |            |

|          |                    | Litting point radius (Min) |             |             | Litting point radius (411) |             | Litting point faulus (311) |             |             | Litting point radius (wax) |             |            |            |
|----------|--------------------|----------------------------|-------------|-------------|----------------------------|-------------|----------------------------|-------------|-------------|----------------------------|-------------|------------|------------|
|          | ft Point<br>Height | Over                       | front       | 0           | Over-front                 |             | 0                          | Over-front  |             | 0                          | Over-front  |            |            |
| neight   |                    | Blade Down                 | Blade Up    | Over-side   | Blade Down                 | Blade Up    | Over-side                  | Blade Down  | Blade Up    | Over-side                  | Blade Down  | Blade Up   | Over-side  |
| <b>F</b> | 1750 Arm           |                            |             |             | 16.7 (1.70)                | 16.7 (1.70) | 14.7 (1.50)                |             |             |                            |             |            |            |
| 5m       | 2100 Arm           |                            |             |             | 14.2 (1.45)                | 14.2 (1.45) | 14.2 (1.45)                |             |             |                            |             |            |            |
| 3m       | 1750 Arm           |                            |             |             | 20.1 (2.05)                | 18.1 (1.85) | 13.7 (1.40)                | 17.2 (1.75) | 12.7 (1.30) | 9.8 (1.00)                 |             |            |            |
| 2111     | 2100 Arm           |                            |             |             | 18.1 (1.85)                | 18.1 (1.85) | 14.2 (1.45)                | 16.2 (1.65) | 12.7 (1.30) | 9.8 (1.00)                 |             |            |            |
| 1.5m     | 1750 Arm           |                            |             |             | 26.0 (2.65)                | 16.7 (1.70) | 12.3 (1.25)                | 20.1 (2.05) | 11.8 (1.20) | 8.8 (0.90)                 | 17.1 (1.74) | 9.8 (1.00) | 7.4 (0.75) |
| 1.500    | 2100 Arm           |                            |             |             | 24.5 (2.50)                | 17.2 (1.75) | 12.7 (1.30)                | 19.1 (1.95) | 12.3 (1.25) | 9.3 (0.95)                 | 15.9 (1.62) | 8.4 (0.86) | 6.5 (0.67) |
| 1m       | 1750 Arm           |                            |             |             | 27.4 (2.80)                | 16.2 (1.65) | 12.3 (1.25)                | 20.6 (2.10) | 11.8 (1.20) | 8.8 (0.90)                 |             |            |            |
| 1 111    | 2100 Arm           |                            |             |             | 26.5 (2.70)                | 16.7 (1.70) | 12.3 (1.25)                | 20.1 (2.05) | 11.8 (1.20) | 8.8 (0.90)                 |             |            |            |
| 0m       | 1750 Arm           |                            |             |             | 28.4 (2.90)                | 15.7 (1.60) | 11.8 (1.20)                | 21.1 (2.15) | 11.3 (1.15) | 8.3 (0.85)                 |             |            |            |
| UIII     | 2100 Arm           |                            |             |             | 28.4 (2.90)                | 15.7 (1.60) | 11.8 (1.20)                | 21.1 (2.15) | 11.3 (1.15) | 8.3 (0.85)                 |             |            |            |
| 1        | 1750 Arm           | 37.7 (3.85)                | 37.7 (3.85) | 35.8 (3.65) | 27.4 (2.80)                | 15.7 (1.60) | 11.3 (1.15)                | 20.1 (2.05) | 11.3 (1.15) | 8.3 (0.85)                 |             |            |            |
| -1m      | 2100 Arm           | 28.4 (2.90)                | 28.4 (2.90) | 28.4 (2.90) | 27.9 (2.85)                | 15.2 (1.55) | 11.3 (1.15)                | 20.6 (2.10) | 11.3 (1.15) | 8.3 (0.85)                 |             |            |            |
| -3m      | 1750 Arm           |                            |             |             |                            |             |                            |             |             |                            |             |            |            |
| -3 M     | 2100 Arm           |                            |             |             | 16.2 (1.65)                | 16.2 (1.65) | 11.8 (1.20)                |             |             |                            |             |            |            |



Axis of Rotation

\* Working ranges are with Kubota standard bucket, without quick coupler.

\* Specifications are subject to change without notice for purpose of improvement.

Please note: \* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.

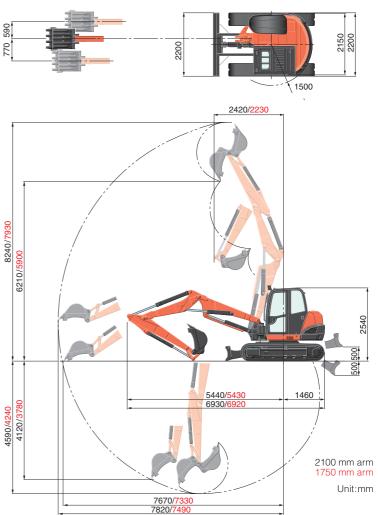
\* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

# **2-PIECE BOOM VERSION**

# **SPECIFICATIONS**

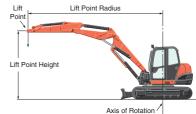
| Machine weightkg8700Operating weightkg8775Bucket capacity, std. SAE/CECEm30.25/0.21Bucket mitWith side teethmm800WidthWith side teethmm700Bucket mitMithout side teethmm700MuthTypeV3307-CR-TE4Water-cooled, dissel engine<br>E-CDIS (with CRS and DPF)Engine $\Box_{\rm V}$ trypePS/rpm65.0/2000Mumber of cylinders44Bore x Strokemm94 × 120Dislacementcc3331Swivelling spectrymm450Tumbler distarcemm450Tumbler distarcemm450Tumbler distarcemm2200 x 500Dozer size (with x height)mm2200 x 500ParameterMPa (kgf/cm2)27.4 (280)PurperGear typeFlow rate $\ell$ min72.0 x 2Hydraulic<br>pumpsMPa (kgf/cm2)20.6 (210)Max. digging<br>forceArmkN (kgf)38.1 (3880)Rober sizeWith som swing (lef/right)1990/2310Auxiliary<br>circuit (SP1)Max. flow rate $\ell$ min100Mux. travelitorMPa (kgf/cm2)20.6 (210)Hydraulic reserverWPa (kgf/cm2)20.6 (210)Hydraulic reserverWPa (kgf/cm2)20.6 (210)MuthHydraulic pressureMPa (kgf/cm2)20.6 (210)MuthHydraulic pressureMPa (kgf/cm2)20.6 (210)Muth <td< th=""><th></th><th></th><th>*with</th><th>rubber shoe, JPN</th><th>bucket and 2100 mm arm</th></td<>  |                  |          | *with                 | rubber shoe, JPN           | bucket and 2100 mm arm     |  |  |
|--|------------------|----------|-----------------------|----------------------------|----------------------------|--|--|
| Bucket capacity, std. SAE/CECEm³ $0.25/0.21$ Bucket<br>widthWith side teethmm $800$ Without side teethmm $700$ Without side teethmm $700$ V3307-CR-TE4Water.cooled, diesel engine<br>E-CDIS (with CRS and DPF)Engine $Model$ $V3307$ -CR-TE4 $Model$ $V3307$ -CR-TE4 $Model$ $V3307$ -CR-TE4 $Mumber of cylinders$ $4$ $Bore \times Stroke$ mm $Bore \times Stroke$ mm $Muber of cylinders$ $4$ Bore $\times$ Strokemm $Muber shoe width$ mmTumbler distancemm $2300$ Dozer size (width $\times$ height) $Muff ulic pressure$ $MPA$ , $RS00$ $Mydraulic pressure$ $MPA$ (kgf/cm2) $P1,P2$ Variable displacement pump $Flow rate$ $\ell/min$ $P2 \to Caer type$ $Flow rate$ $\ell/min$ $Hydraulic pressure$ $MPA$ (kgf/cm2) $Q20.6$ (210) $Max$ , digging<br>force $Max$ , flow rate $flow rate$ $\ell/min$ $Max$ , flow rate $\ell/min$ $Max$ , flow rate $\ell/min$ $Max$ , hydraulic pressureMPA (kgf/cm2) $Q20.6$ (210) <td>Machine weigh</td> <td>nt</td> <td></td> <td>kg</td> <td>8700</td>  | Machine weigh    | nt       |                       | kg                         | 8700                       |  |  |
| Bucket<br>widthWith side teethmm800Without side teethmm700ModelV3307-CR-TE4TypeWater-cooled, diesel engine<br>E-CDIS (with CRS and DPF)Engine $Output ISO9249$ PS/rpm $Output ISO9249$ PS/rpmNumber of cylinders4Bore × StrokemmBore × StrokemmJbiplacementccC3331Swivelling speedrpmRubber shoe widthmmTumbler distancemmDozer size (width × height)mmP1,P2Variable displacement pumpFlow rate $\ell/min$ Flow rate $\ell/min$ Hydraulic pressureMPa (kgf/cm2)P1,P2Cear typeFlow rate $\ell/min$ Gear typeFlow rate $\ell/min$ Ground contact pressureMPa (kgf/cm2)Auxiliary<br>circuit (SP1)Max. flow rateMax. hydraulic pressureMPa (kgf/cm2)Auxiliary<br>circuit (SP2)Max. flow rateMax. travelling<br>speedMax. flow rateLowkm/hKindw rate $\ell/min$ Ground contact pressureKPa (kgf/cm2)Solo (Contact pressureKPa (kgf/cm2)<  | Operating weight | ght      |                       | kg                         | 8775                       |  |  |
| widthWithout side teethmm700ModelV3307-CR-TE4TypeWater-cooled, diesel engine<br>E-CDIS (with CRS and DPF)EngineTypeS/rpm65.0/2000Number of cylinders4Bore × Strokemm94 × 120Displacementcc3331Swivelling speedrpm9.5Rubber shoe widthmm450Tumbler distancemm2200 × 500Dozer size (width × height)mm2200 × 500Dozer size (width × height)mm2200 × 500Parametric (Parametric (Param  | Bucket capaci    | ty, s    | std. SAE/CECE         | m³                         | 0.25/0.21                  |  |  |
| ModelModelModelModelIntermediation of the state teethIntermediation of the state teethIntermediation of the state teethModelV3307-CR-TE4Intermediation of the state teethTypeVastate teethWater-cooled, diesel engine<br>E-CDIS (with CRS and DPF)EngineOutput ISO9249PS/rpm65.0/2000Number of cylinders4Bore × Strokemm94 × 120Displacementcc3331Swivelling speetrpm9.5Rubber shoe widthmm2300Dozer size (width × height)mm2300Dozer size (width × height)mm2000 × 500Mydraulic<br>pumpsP1,P2Variable displacement pumpFlow rate $\ell/min72.0 × 2Hydraulic pressureMPa (kgf/cm2)P3Gear typeFlow rate\ell/min66.6Hydraulic pressureMPA (kgf/cm2)Max. diggingforceMarKN (kgf)Max. diggingforceMax. flow rate\ell/minMax. diggingforceMax. flow rate\ell/minMax. diggingforce$  |                  | Wi       | th side teeth         | mm                         | 800                        |  |  |
| Water-cooled, diesel engineEngineTypeWater-cooled, diesel engine<br>E-CDIS (with CRS and DPF)Output ISO9249PS/rpm65.0/2000Number of cylinders4Bore × Strokemm94 × 120Displacementcc3331Swivelling speedrpm9.5Rubber shoe widthmm450Tumbler distancemm2300Dozer size (width × height)mm2200 × 500P1,P2Variable displacement pumpFlow rate $\ell/min$ 72.0 × 2HydraulicHydraulic pressureMPa (kgf/cm²)27.4 (280)P3Gear typeFlow rate $\ell/min$ 66.6Hydraulic pressureMPa (kgf/cm²)20.6 (210)ArmkN (kgf)Max. digging<br>forceArmkN (kgf)BucketkN (kgf)38.1 (3880)BocketkN (kgf)65.2 (6650)Boom swing angle (left/right)deg70/60Minimum front swivel radius with boom swing (left/right)1990/2310Auxiliary<br>circuit (SP1)Max. flow rate $\ell/min$ Auxiliary<br>circuit (SP2)Max. flow rate $\ell/min$ Max. travelling<br>speedLowkm/h2.7Highkm/h4.9Ground contact pressurekPa (kgf/cm²)37.8 (0.386)  | width            | Wi       | thout side teeth      | mm                         | 700                        |  |  |
| EngineImage Intermediate the second stand stan   |                  | Мс       | odel                  |                            | V3307-CR-TE4               |  |  |
| EngineOutput ISO9249kW/rpm47.8/2000Number of cylinders4Bore × Strokemm94 × 120Displacementcc3331Swivelling speedrpm9.5Rubber shoe widthmm450Tumbler distancemm2300Dozer size (width × height)mm2200 × 500ParanaP1,P2Variable displacement pumpFlow rate $\ell/min$ 72.0 × 2HydraulicHydraulic pressureMPa (kgf/cm²)P3Gear typeFlow rate $\ell/min$ 66.6Hydraulic pressureMPa (kgf/cm²)20.6 (210)Max. digging forceArmkN (kgf)38.1 (3880)BocketkN (kgf)65.2 (6650)0Boom swing argle (left/right)deg70/60Minimum front swivel radius with boom swing (left/right)1990/2310Auxiliary circuit (SP1)Max. flow rate $\ell/min$ Aux. flow rate $\ell/min$ 66.6Max. hydraulic pressureMPa (kgf/cm²)20.6 (210)Auxiliary circuit (SP2)Max. flow rate $\ell/min$ 100Max. hydraulic pressureMPa (kgf/cm²)20.6 (210)Hydraulic reservor $\ell$ 75Fuel tank capacity $\ell$ 115Max. travelling speedLowkm/h2.7Highkm/h4.9Ground contact pressurekPa (kgf/cm²)37.8 (0.386)   |                  | Ту       | ре                    |                            |                            |  |  |
| kW/rpm47.8/2000Number of cylinders4Bore × Strokemm94 × 120Displacementcc3331Swivelling speuterrpm9.5Rubber shoe widthmm450Tumbler distarcemm2300Dozer size (width × height)mm2200 × 500Paramatic pumpFlow rate $\ell/min$ 72.0 × 2Hydraulic pressureMPa (kgf/cm2)27.4 (280)pumpsFlow rate $\ell/min$ 66.6Hydraulic pressureMPa (kgf/cm2)20.6 (210)Max. digging forceArmkN (kgf)38.1 (3880)BocketkN (kgf)65.2 (6650)Boom swing argle (left/right)deg70/60Minimum front swire radius with boom swing (left/right)1990/2310Auxiliary circuit (SP1)Max. flow rate $\ell/min$ Auxiliary circuit (SP2)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm2)20.6 (210)Auxiliary circuit (SP2)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm2)20.6 (210)Hydraulic restricuit (SP2)Max. flow rate $\ell/min$ Auxiliary circuit (SP2)Max. flow rate $\ell/min$ Max. travelling speedLowkm/hAnd character $\ell/min$ 20.6 (210)Hydraulic restricuit (SP2)Max. flow rate $\ell/min$ Ground contacterkm/k2.7Hydraulic restricuit (SP2)Lowkm/hAux travelling speed <t< td=""><td>Engine</td><td>0</td><td></td><td>PS/rpm</td><td>65.0/2000</td></t<>   | Engine           | 0        |                       | PS/rpm                     | 65.0/2000                  |  |  |
| $\begin{tabular}{ c c c c c } \hline Ham (100 \ From (100 $  | Lingine          | Ou       | itput 1309249         | kW/rpm                     | 47.8/2000                  |  |  |
| $\begin{tabular}{ c c c c c } \hline Displacement & cc & 3331 \\ \hline Displacement & cc & 3331 \\ \hline Swivelling sped & rpm & 9.5 \\ \hline Rubber shoe width & mm & 450 \\ \hline Tumbler distance & mm & 2300 \\ \hline Dozer size (width × height) & mm & 2200 × 500 \\ \hline Dozer size (width × height) & mm & 2200 × 500 \\ \hline Dozer size (width × height) & mm & 2200 × 500 \\ \hline P1,P2 & Variable displacement pump \\ \hline Flow rate & \ell/min & 72.0 × 2 \\ \hline Hydraulic pressure & MPa (kgf/cm2) & 27.4 (280) \\ \hline P3 & Gear type \\ \hline Flow rate & \ell/min & 66.6 \\ \hline Hydraulic pressure & MPa (kgf/cm2) & 20.6 (210) \\ \hline Max. digging force & MPa (kgf) & 38.1 (3880) \\ \hline Boom swing angle (left/right) & deg & 70/60 \\ \hline Minimum front swirel radius with boom swing (left/right) & 1990/2310 \\ \hline Auxiliary circuit (SP1) & Max. flow rate & \ell/min & 100 \\ \hline Max. hydraulic pressure & MPa (kgf/cm2) & 20.6 (210) \\ \hline Auxiliary circuit (SP2) & Max. flow rate & \ell/min & 66.6 \\ \hline Max. hydraulic pressure & MPa (kgf/cm2) & 20.6 (210) \\ \hline Auxiliary circuit (SP2) & Max. flow rate & \ell/min & 66.6 \\ \hline Fuguration reserver & \ell & 75 \\ \hline Fuel tank capacity & \ell & 115 \\ \hline Max. travelling speed & Low & km/h & 2.7 \\ \hline High & km/h & 4.9 \\ \hline Ground contact pressure & kPa (kgf/cm2) & 37.8 (0.386) \\ \hline \end{tabular}$  |                  | Nu       | mber of cylinder      | s                          | 4                          |  |  |
| Swivelling speetrpm9.5Rubber shoe widthmm450Tumbler distarcemm2300Dozer size (width × height)mm2200 × 500ParticleP1,P2Variable displacement pumpHydraulic<br>pumpsFlow rate $\ell/min$ 72.0 × 2Hydraulic pressureMPa (kgf/cm <sup>2</sup> )27.4 (280)P3Gear typeFlow rate $\ell/min$ 66.6Hydraulic pressureMPa (kgf/cm <sup>2</sup> )20.6 (210)Max. digging<br>forceArmkN (kgf)38.1 (3880)Boom swing argle (left/right)deg70/60Minimum front swire radius with boom swing (left/right)1990/2310Auxiliary<br>circuit (SP1)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm <sup>2</sup> )20.6 (210)Auxiliary<br>circuit (SP2)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm <sup>2</sup> )20.6 (210)Hydraulic reserver $\ell$ 75Fuel tank capacity $\ell$ 115Max. travelling<br>speedLowkm/h2.7Highkm/h4.9Ground contact pressurekPa (kgf/cm <sup>2</sup> )37.8 (0.386)   |                  |          |                       | mm                         | 94 × 120                   |  |  |
| Rubber shoe widthmm450Tumbler distancemm2300Dozer size (width × height)mm2200 × 500ParticleP1,P2Variable displacement pumpHydraulic<br>pumpsFlow rate $\ell/min$ 72.0 × 2Hydraulic pressureMPa (kgf/cm²)27.4 (280)P3Gear typeFlow rate $\ell/min$ 66.6Hydraulic pressureMPa (kgf/cm²)20.6 (210)Max. digging<br>forceArmkN (kgf)38.1 (3880)Boom swing angle (left/right)deg70/60Minimum front swivel radius with boom swing (left/right)1990/2310Auxiliary<br>circuit (SP1)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm²)20.6 (210)Auxiliary<br>circuit (SP2)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm²)20.6 (210)Hydraulic reservoir $\ell$ 75Fuel tank capacity $\ell$ 115Max. travelling<br>speedLowkm/h2.7Highkm/h4.9Ground contact pressurekPa (kgf/cm²)37.8 (0.386)  |                  | Dis      | splacement            | СС                         | 3331                       |  |  |
| Tumbler distamm2300Dozer size (with × height)mm2300Dozer size (with × height)mm2200 × 500Variable displacement pumpHydraulic pressure $\ell/min72.0 × 2Hydraulic pressureMPa (kgf/cm2)27.4 (280)P3Gear typeFlow rate\ell/min66.6Hydraulic pressureMPa (kgf/cm2)20.6 (210)Max. diggingforceArmkN (kgf)Gear typeMax. diggingforceArmkN (kgf)Boom swing colspan="2">(left/right)deg70/60Minimum front swire radius with boom swing (left/right)1990/2310Auxiliarycircuit (SP1)Max. flow rate\ell/min66.6Auxiliarycircuit (SP2)Max. flow rate\ell/min66.6Hydraulic pressureMPa (kgf/cm2)20.6 (210)Auxiliarycircuit (SP2)Max. flow rate\ell/min66.6Hydraulic pressureMPa (kgf/cm2)20.6 (210)Hydraulic pressure$   | Swivelling spe   | eed      |                       | rpm                        | 9.5                        |  |  |
| $ \begin{array}{ c c c c } \hline Dozer size (width \times height) & mm & 2200 \times 500 \\ \hline \mbox{Max.l} Variable displacement pump \\ \hline \mbox{Pl} & Variable displacement pump \\ \hline$  | Rubber shoe      | widt     | h                     | mm                         | 450                        |  |  |
| P1,P2Variable displacement pumpHydraulic<br>pumpsFlow rate $\ell/min$ $72.0 \times 2$ Hydraulic pressureMPa (kgf/cm²) $27.4$ (280)P3Gear typeFlow rate $\ell/min$ $66.6$ Hydraulic pressureMPa (kgf/cm²) $20.6$ (210)Max. digging<br>forceArmkN (kgf) $38.1$ (3880)Boom swing angle (left/right)deg $70/60$ Minimum front swire radius with boom swing (left/right)1990/2310Auxiliary<br>circuit (SP1)Max. flow rate $\ell/min$ Auxiliary<br>circuit (SP2)Max. flow rate $\ell/min$ Max. hydraulic pressureMPa (kgf/cm²) $20.6$ (210)Hydraulic reservoir $\ell$ $75$ Fuel tank capacity $\ell$ $115$ Max. travelling<br>speedLowkm/hGround contact pressurekPa (kgf/cm²) $37.8$ (0.386)  | Tumbler dista    | nce      |                       | mm                         | 2300                       |  |  |
| $\begin{array}{c c c c c c } \medskip \\ \med$   | Dozer size (w    | idth     | imes height)          | mm                         | 2200 × 500                 |  |  |
| $\begin{array}{c c c c c c } Hydraulic pressure MPa (kgf/cm2) 27.4 (280) \\ \hline P3 & Gear type \\ \hline Flow rate & \ell/min & 66.6 \\ \hline Hydraulic pressure MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. digging force & MPa (kgf/cm2) 20.6 (210) \\ \hline Max. flow rate & \ell/min & 100 \\ \hline Max. hydraulic pressure MPa (kgf/cm2) 20.6 (210) \\ \hline Auxiliary circuit (SP1) & Max. flow rate & \ell/min & 66.6 \\ \hline Max. hydraulic pressure MPa (kgf/cm2) 20.6 (210) \\ \hline Hydraulic reservir & \ell & 75 \\ \hline Fuel tank capacity & \ell & 115 \\ \hline Max. travelling speed & Low & km/h & 2.7 \\ \hline High & km/h & 4.9 \\ \hline Ground contact pressure & kPa (kgf/cm2) & 37.8 (0.386) \\ \hline \end{array}$   |                  | P1       | ,P2                   |                            | Variable displacement pump |  |  |
| $\begin{array}{c c c c c c c } \hline P_1 & \hline $ |                  | Flo      | ow rate               | ℓ/min                      | 72.0 × 2                   |  |  |
| $\begin{array}{ c c c c c }\hline Hydraulic pressure & MPa (kgf/cm2) & 20.6 (210) \\\hline Flow rate & \ell/min & 66.6 \\\hline Hydraulic pressure & MPa (kgf/cm2) & 20.6 (210) \\\hline Max. digging force & Arm & kN (kgf) & 38.1 (3880) \\\hline Bucket & kN (kgf) & 65.2 (6650) \\\hline Boom swing angle (left/right) & deg & 70/60 \\\hline Minimum front swivel radius with boom swing (left/right) & 1990/2310 \\\hline Auxiliary circuit (SP1) & Max. flow rate & \ell/min & 100 \\\hline Auxiliary circuit (SP2) & Max. flow rate & \ell/min & 66.6 \\\hline Hydraulic reservoir & \ell & 75 \\\hline Fuel tank capacity & \ell & 115 \\\hline Max. travelling speed & Low & km/h & 2.7 \\\hline High & km/h & 4.9 \\\hline Ground contact pressure & kPa (kgf/cm2) & 37.8 (0.386) \\\hline \end{array}$   |                  | Hy       | draulic pressure      | MPa (kgf/cm <sup>2</sup> ) | 27.4 (280)                 |  |  |
| Hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Max. digging<br>force     Arm     kN (kgf)     38.1 (3880)       Bucket     kN (kgf)     65.2 (6650)       Boom swing argle (left/right)     deg     70/60       Minimum front swirel radius with boom swing (left/right)     1990/2310       Auxiliary<br>circuit (SP1)     Max. flow rate $\ell/min$ Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Auxiliary<br>circuit (SP2)     Max. flow rate $\ell/min$ 66.6       Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Hydraulic reservoir $\ell$ 75       Fuel tank capacity $\ell$ 115       Max. travelling<br>speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)  | pumps            | P3       |                       |                            | Gear type                  |  |  |
| Max. digging<br>force     Arm     kN (kgf)     38.1 (3880)       Bucket     kN (kgf)     65.2 (6650)       Boom swing angle (left/right)     deg     70/60       Minimum front swivel radius with boom swing (left/right)     1990/2310       Auxiliary<br>circuit (SP1)     Max. flow rate $\ell/min$ Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Auxiliary<br>circuit (SP2)     Max. flow rate $\ell/min$ 66.6       Hydraulic reservoir $\ell$ 75       Fuel tank capacity $\ell$ 115       Max. travelling<br>speed     Low     km/h     2.7       High     km/h     37.8 (0.386)   |                  | Flo      | w rate                | ℓ/min                      | 66.6                       |  |  |
| $\begin{array}{c c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$  |                  | Hy       | draulic pressure      | MPa (kgf/cm²)              | 20.6 (210)                 |  |  |
| force     Bucket     kN (kgf)     65.2 (6650)       Boom swing angle (left/right)     deg     70/60       Minimum front swivel radius with boom swing (left/right)     1990/2310       Auxiliary<br>circuit (SP1)     Max. flow rate     ℓ/min       Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Auxiliary<br>circuit (SP2)     Max. flow rate     ℓ/min     66.6       Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Hydraulic reserver     ℓ     75       Fuel tank capacity     ℓ     115       Max. travelling<br>speed     Low     km/h     2.7       High     km/h     37.8 (0.386)  | Max. digging     |          | Arm                   | kN (kgf)                   | 38.1 (3880)                |  |  |
| Minimum front swivel radius with boom swing (left/right) 1990/2310   Auxiliary<br>circuit (SP1) Max. flow rate $\ell/min$ 100   Auxiliary<br>circuit (SP2) Max. hydraulic pressure MPa (kgf/cm²) 20.6 (210)   Auxiliary<br>circuit (SP2) Max. flow rate $\ell/min$ 66.6   Mydraulic reserve MPa (kgf/cm²) 20.6 (210)   Hydraulic reserve $\ell$ 75   Fuel tank capacity $\ell$ 115   Max. travelling<br>speed Low km/h   Ground contact pressure kPa (kgf/cm²) 37.8 (0.386)  | force            |          | Bucket                | kN (kgf)                   | 65.2 (6650)                |  |  |
| Auxiliary<br>circuit (SP1)Max. flow rate $\ell/min$ 100Auxiliary<br>circuit (SP2)Max. hydraulic pressureMPa (kgf/cm2)20.6 (210)Auxiliary<br>circuit (SP2)Max. flow rate $\ell/min$ 66.6Max. hydraulic pressureMPa (kgf/cm2)20.6 (210)Hydraulic reservoir $\ell$ 75Fuel tank capacity $\ell$ 115Max. travelling<br>speedLowkm/h2.7Highkm/h4.9Ground contact pressurekPa (kgf/cm2)37.8 (0.386)   | Boom swing a     | ingl     | e (left/right)        | deg                        | 70/60                      |  |  |
| Auxiliary<br>circuit (SP1) Max. hydraulic pressure MPa (kgf/cm²) 20.6 (210)   Auxiliary<br>circuit (SP2) Max. hydraulic pressure MPa (kgf/cm²) 20.6 (210)   Hydraulic reservoir ℓ 75   Fuel tank capacity ℓ 115   Max. travelling<br>speed Low km/h 2.7   High km/h 4.9   Ground contact pressure kPa (kgf/cm²) 37.8 (0.386)   | Minimum front sw | vivel r  | adius with boom swin  | g (left/right)             | 1990/2310                  |  |  |
| circuit (ŠP1)     Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Auxiliary<br>circuit (SP2)     Max. flow rate $\ell/min$ 66.6       Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Hydraulic reservor     MPa (kgf/cm²)     20.6 (210)       Hydraulic reservor $\ell$ 75       Fuel tank capacity $\ell$ 115       Max. travelling<br>speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)  | Auxiliary        | Ma       | x. flow rate          | ℓ/min                      | 100                        |  |  |
| Auxinary Max. hydraulic pressure MPa (kgf/cm²) 20.6 (210)   Hydraulic reservoir ℓ 75   Fuel tank capacity ℓ 115   Max. travelling<br>speed Low km/h 2.7   High km/h 4.9   Ground contact pressure kPa (kgf/cm²) 37.8 (0.386)   |                  | Max      | x. hydraulic pressure | MPa (kgf/cm <sup>2</sup> ) | 20.6 (210)                 |  |  |
| circuit (ŠP2)     Max. hydraulic pressure     MPa (kgf/cm²)     20.6 (210)       Hydraulic reservoir      75       Fuel tank capacity      115       Max. travelling speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)   | Auxiliary        | Ma       | x. flow rate          | ℓ/min                      | 66.6                       |  |  |
| Fuel tank capacity     ℓ     115       Max. travelling<br>speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)  | circuit (SP2)    | Max      | x. hydraulic pressure | MPa (kgf/cm <sup>2</sup> ) | 20.6 (210)                 |  |  |
| Max. travelling<br>speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)   | Hydraulic rese   | ervo     | ir                    | l                          | 75                         |  |  |
| Max. travelling<br>speed     Low     km/h     2.7       High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)   | Fuel tank cap    | acity    | /                     | l                          | 115                        |  |  |
| speed     High     km/h     4.9       Ground contact pressure     kPa (kgf/cm²)     37.8 (0.386)   |                  |          |                       | km/h                       | 2.7                        |  |  |
| Ground contact pressure kPa (kgf/cm <sup>2</sup> ) 37.8 (0.386)  |                  | Э        | High                  | ,                          |                            |  |  |
|  | Ground conta     | ct p     | 5                     | , .                        |                            |  |  |
|  |                  | <u> </u> |                       |                            |                            |  |  |

# WORKING RANGE



# LIFTING CAPACITY

|       |                    |                            |             |             |                           |             |             |                           |             |             |                            |            | kN (ton)   |
|-------|--------------------|----------------------------|-------------|-------------|---------------------------|-------------|-------------|---------------------------|-------------|-------------|----------------------------|------------|------------|
|       |                    | Lifting point radius (Min) |             |             | Lifting point radius (4m) |             |             | Lifting point radius (5m) |             |             | Lifting point radius (Max) |            |            |
|       | ft Point<br>Height | Over-front                 |             | Our state   | Over-front                |             | Over side   | Over                      | -front      |             | Over-front                 |            |            |
|       | reight             | Blade Down                 | Blade Up    | Over-side   | Blade Down                | Blade Up    | Over-side   | Blade Down                | Blade Up    | Over-side   | Blade Down                 | Blade Up   | Over-side  |
| 5m    | 1750 Arm           | 23.0 (2.35)                | 23.0 (2.35) | 23.0 (2.35) | 19.6 (2.00)               | 19.6 (2.00) | 16.2 (1.65) | 17.6 (1.80)               | 14.2 (1.45) | 10.8 (1.10) |                            |            |            |
| 5111  | 2100 Arm           |                            |             |             | 18.1 (1.85)               | 18.1 (1.85) | 16.7 (1.70) | 16.7 (1.70)               | 14.7 (1.50) | 11.3 (1.15) |                            |            |            |
| 3m    | 1750 Arm           |                            |             |             | 23.5 (2.40)               | 20.1 (2.05) | 14.7 (1.50) | 18.6 (1.90)               | 13.7 (1.40) | 10.3 (1.05) |                            |            |            |
| 5111  | 2100 Arm           |                            |             |             | 22.1 (2.25)               | 20.1 (2.05) | 15.2 (1.55) | 18.1 (1.85)               | 14.2 (1.45) | 10.8 (1.10) |                            |            |            |
| 1.5m  | 1750 Arm           |                            |             |             | 27.4 (2.80)               | 18.1 (1.85) | 13.2 (1.35) | 20.1 (2.05)               | 13.2 (1.35) | 9.8 (1.00)  | 14.7 (1.50)                | 9.1 (0.93) | 6.8 (0.70) |
| 1.500 | 2100 Arm           |                            |             |             | 26.5 (2.70)               | 18.1 (1.85) | 13.2 (1.35) | 20.1 (2.05)               | 13.2 (1.35) | 9.8 (1.00)  | 13.8 (1.41)                | 8.7 (0.88) | 6.5 (0.66) |
| 1m    | 1750 Arm           |                            |             |             | 27.4 (2.80)               | 17.6 (1.80) | 12.7 (1.30) | 20.6 (2.10)               | 12.7 (1.30) | 9.3 (0.95)  |                            |            |            |
| 1 111 | 2100 Arm           |                            |             |             | 27.0 (2.75)               | 17.6 (1.80) | 12.7 (1.30) | 20.1 (2.05)               | 12.7 (1.30) | 9.3 (0.95)  |                            |            |            |
| 0m    | 1750 Arm           |                            |             |             | 26.0 (2.65)               | 17.2 (1.75) | 12.3 (1.25) | 19.6 (2.00)               | 12.3 (1.25) | 9.3 (0.95)  |                            |            |            |
| Um    | 2100 Arm           |                            |             |             | 26.5 (2.70)               | 17.2 (1.75) | 12.3 (1.25) | 20.1 (2.05)               | 12.3 (1.25) | 8.8 (0.90)  |                            |            |            |
| -1m   | 1750 Arm           | 27.9 (2.85)                | 27.4 (2.80) | 19.1 (1.95) | 22.5 (2.30)               | 17.2 (1.75) | 12.3 (1.25) | 17.2 (1.75)               | 12.3 (1.25) | 8.8 (0.90)  |                            |            |            |
| -1111 | 2100 Arm           | 22.5 (2.30)                | 22.5 (2.30) | 22.5 (2.30) | 24.0 (2.45)               | 16.7 (1.70) | 12.3 (1.25) | 18.1 (1.85)               | 12.3 (1.25) | 8.8 (0.90)  |                            |            |            |
| 2     | 1750 Arm           |                            |             |             | 6.9 (0.70)                | 6.9 (0.70)  | 6.9 (0.70)  |                           |             |             |                            |            |            |
| -3m   | 2100 Arm           |                            |             |             | 11.3 (1.15)               | 11.3 (1.15) | 11.3 (1.15) |                           |             |             |                            |            |            |



\* Working ranges are with Kubota standard bucket, without quick coupler.

\* Specifications are subject to change without notice for purpose of improvement.

Please note: \* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.

\* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

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