



ROBEX 250LC-7

### Standard Equipment

#### ISO standard cab

- All-weather steel cab with all-around visibility
- Safety glass windows
- Rise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Hot & cool box
- Accessory box & Ash-tray

#### Computer Aided Power Optimization (New CAPO) system

- 2-power mode, 3-work mode, 2-user mode
- Auto deceleration & one touch deceleration system
- Auto warm up system
- Auto overheat prevention system

#### Heater & Defroster

#### Self diagnostic system Starting Aid (air grid heater), cold weather Centralized monitoring

- LCD display
  - Engine speed
  - Clock & Error code
- Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
- Warning
  - Fuel level
  - Check Engine & CPU
  - Engine oil pressure
  - Engine coolant temperature
  - Hyd. oil temperature
  - Low battery
  - Air cleaner clogging
- Indicator
  - Power max
  - Preheat & Engine warming-up
  - One touch decel

#### Door and cab locks, one key

#### AM/FM radio and cassette

- Radio remote switch

#### Two outside rearview mirrors

#### Fully adjustable suspension seat with seat belt

#### Slidable joystic, pilot-operated

#### Console box tilting system(LH.)

#### Three front working lights

#### Electric horn

#### Batteries (2 x 12V x 100 AH)

#### Battery master switch

#### Removable clean out screen for Hyd. oil cooler

#### Automatic swing brake

#### Removable reservoir tank

#### Water separator, fuel line

#### Boom holding system

#### Arm holding system

#### Counterweight (4600 kg, 10140 lb)

#### Mono boom (5.85 m, 19' 2")

#### Arm (3.05 m, 10' 0")

#### Track shoes (600 mm, 24")

#### Track rail guard

### Optional Equipment

#### Air-conditioner (5000 kcal/hr, 20000 BTU/hr)

#### Sun visor for cabin inside

#### Fuel filler pump (36 l /min, 9.5 USgpm)

#### Beacon lamp

#### Safety lock valve for boom cylinder

#### with overload warning device

#### Safety lock valve for arm cylinder

#### Single acting piping kit (breaker, etc)

#### Double acting piping kit (cramshell, etc)

#### Accumulator, work equipment lowering

#### 12 volt power outlet (24V DC to 12V DC converter)

#### Electric transducer

#### Travel alarm

#### Various optional Arms

- Super short arm (2.10m, 6' 11")
- Short arm (2.50m, 8' 2")
- Long arm (3.60m, 11' 10")

#### Various optional Buckets (PCSA heaped)

- Standard bucket (1.08 m<sup>3</sup>, 1.41 yd<sup>3</sup>)
- Narrow bucket (0.79 m<sup>3</sup>, 1.03 yd<sup>3</sup>)
- Narrow bucket (1.03 m<sup>3</sup>, 1.35 yd<sup>3</sup>)
- Light duty bucket (1.50 m<sup>3</sup>, 1.96 yd<sup>3</sup>)
- Heavy duty bucket (1.07 m<sup>3</sup>, 1.40 yd<sup>3</sup>)
- Heavy duty bucket (1.27 m<sup>3</sup>, 1.66 yd<sup>3</sup>)
- Heavy duty bucket (1.46 m<sup>3</sup>, 1.91 yd<sup>3</sup>)
- Rock bucket (1.16 m<sup>3</sup>, 1.52 yd<sup>3</sup>)

#### Cabin anti-vandalism kit

#### Cabin lights

#### Track shoes

- Triple grousers shoe (700mm, 28")
- Triple grousers shoe (800mm, 32")
- Triple grousers shoe (900mm, 36")

#### Lower frame under cover

#### Pre heating system

#### Tool kit

#### Operator suit

#### Special cooling

- Air vent type side door

#### Low noise kit

*Robex* NEW 7 SERIES

250LC-7

250NLC-7

250LC-7 High-Chassis

Tier II Engine



### CRAWLER EXCAVATOR

#### CUMMINS B5.9-C Engine :

133 kW/ 178 HP

#### Operating Weight :

25,100 ~ 28,620 kg (55,300 ~ 63,100 lb)

#### Bucket Capacity, PCSA :

0.79 ~ 1.50 m<sup>3</sup> (1.03 ~ 1.96 yd<sup>3</sup>)

■ Photo may include optional equipment.

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.  
All US measurement rounded off to nearest pounds or inches.

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**HYUNDAI**  
HEAVY INDUSTRIES CO., LTD.



# Built for Maximum Power, Performance, Reliability.

A new chapter in construction equipment  
has now begun.  
Making the dream a reality.





## Operator's Comfort is Foremost. Wide Cab Exceeds Industry Standards.



### Visibility

- Even more visibility than before, for safer, more efficient operating.



### Excellent Ventilation

- Ventilation has been improved by the addition of the larger fresh air intake system, and by providing additional air flow throughout the cab.
- Sliding front and side windows provide improved ventilation.
- A large sunroof offers upward visibility and additional ventilation.



### Comfortable Operator Environment

- The control levers and seat can be adjusted to provide maximum operator comfort.
- The seat is fully adjustable for optimum operating position, reducing operator fatigue.
- Console boxes slide forward and backward for improved accessibility.
- The proportional pressure controls reduce unnecessary exertion while ensuring precise operation.
- Large windows allow excellent visibility in all directions.



### Low noise design

- The Robex 7 series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated diesel engine compartment with sound-damping material also reduces noise.



1 2 3  
 1 Wide, Comfortable Operating Space 2 Steel Cover Sunroof 3 Dial Type Engine Speed Switch and Key Switch

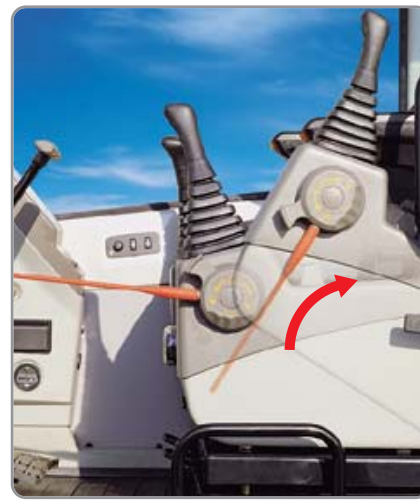






### Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility. A full view front window and large rear and side windows provide excellent visibility in all directions.



### Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with double switches. (Left: Power boost / One touch deceleration, Right: Horn/Optional)



### Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator. This helps keep operator movement to a minimum, enhancing control with less operator fatigue.

### Wide, Comfortable Operating Space

All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.



### Remote Radio Control and Deluxe Cassette

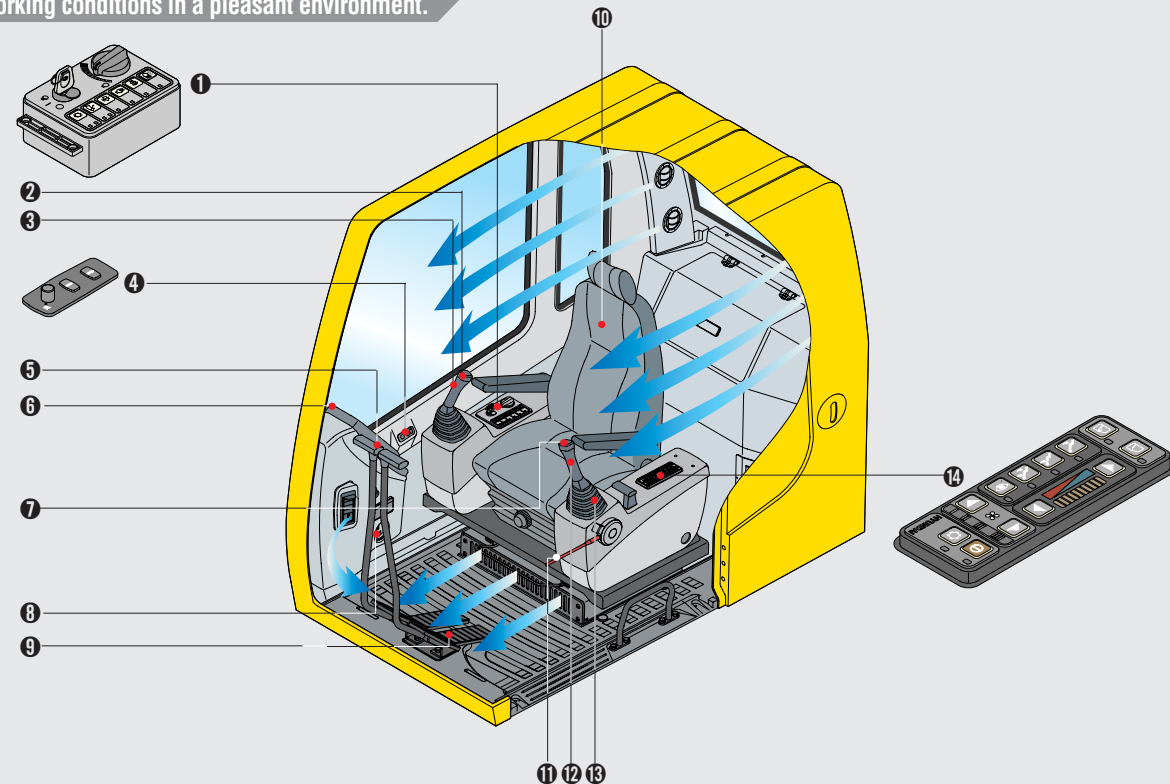


### Rise-up Wiper and Cabin Lights

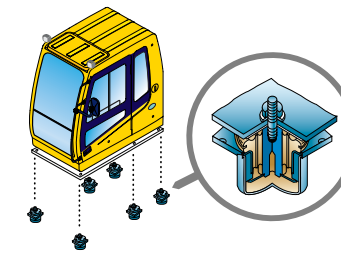
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)



### The best working conditions in a pleasant environment.



- 1 Centralized control pannel
- 2 Horn button
- 3 Option button
- 4 Remote Radio control
- 5 Travel lever
- 6 Cluster
- 7 One touch decel button
- 8 Hour meter
- 9 Travel pedal
- 10 Fully adjustable suspension seat
- 11 Safety lever
- 12 Power boost button
- 13 Joystick control lever
- 14 Air Conditioner and Heater controller



### Minimization of Shock and Vibration through Cab Mounting System

The application of Viscous Mounting to the cabin support provides the operator with a much improved ride. The operator work efficiency will increase as the shock and noise level in the cabin decreases.

### Improved Intelligent Display

Instrument Panel is installed in front of RH console box. It is easy to check all critical systems with easy-to-read indicators.



### Smooth Travel Pedal and Foot Rests



### Rear Emergency Exit Window

Rear Exit Window is designed with easy exit for operator's safety.

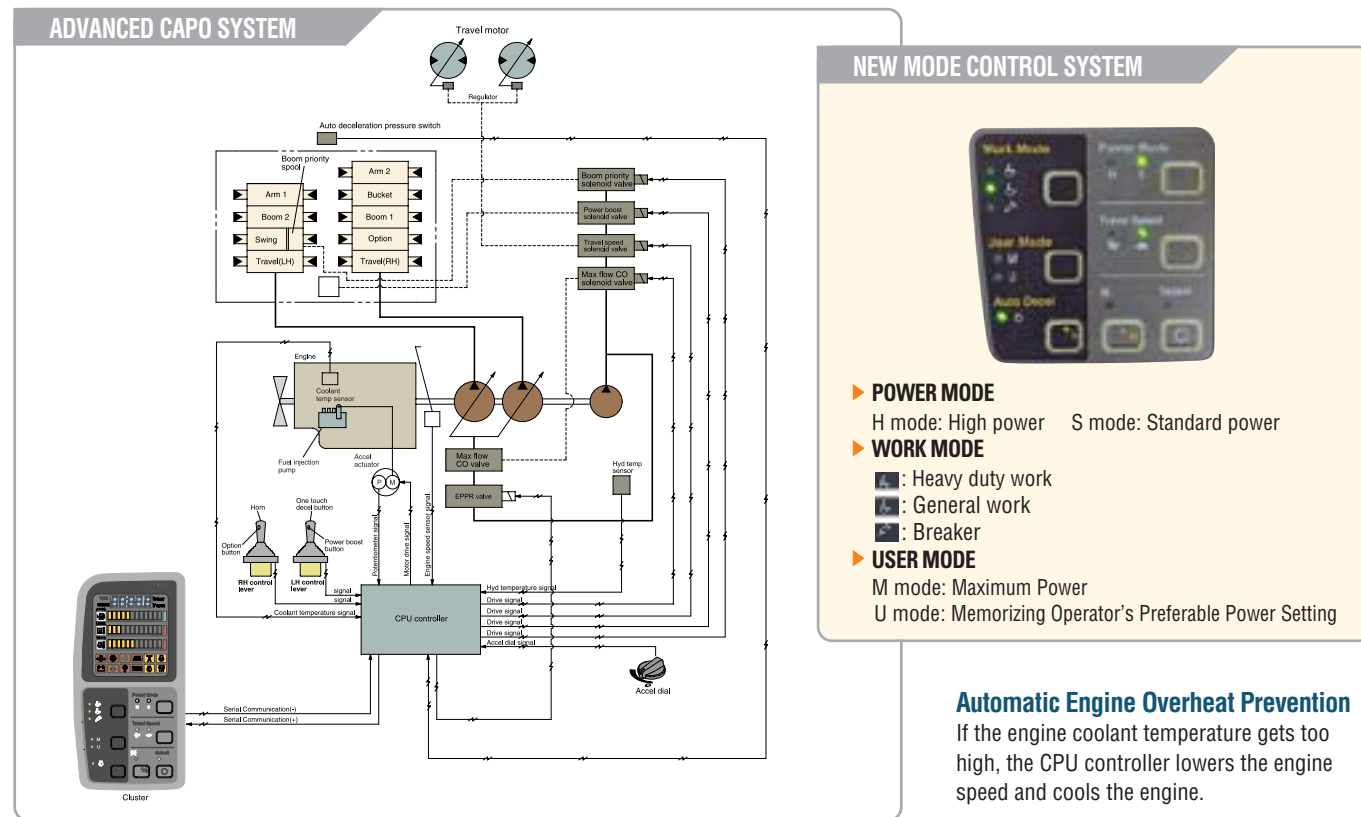


### Hot & Cool Box

The New Cab has even more space for the operator. An Additional storage box is located behind operators seat, and it keeps food and beverages cool or hot.







### Advanced CAPO System

The Advanced CAPO(Computer Aided Power Optimization) system maintains engine and mutual pump power at optimum levels. Mode selections are designed for various work loads and maintaining high performance while reducing fuel consumption. Features such as auto deceleration and power boost are included in the system. The system monitors engine speed, coolant temperature, and hydraulic oil temperature. Contained within the system are self diagnostic capabilities which are displayed by error codes on the cluster.

### Self Diagnosis System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays them on the LCD monitor of the cluster by error codes. This controller has the capacity to identify 48 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temperature, and the state of all types of electric switches, provides the operator with a much more exact state of machine operating condition. This makes the machine easier to troubleshoot when anything does go wrong.

### Arm Flow Regeneration System

Arm flow regeneration valve provides smooth arm-in operation without cavitation.

### Boom & Arm Holding System

The Holding valves in the main control valve prevents the boom & arm from dropping over an extended period in neutral position.

### Auto Deceleration System

When remote-control valves are in neutral position more than 4 seconds, CPU controller reduces engine speed to 1200rpm. This decreases fuel consumption and reduced cab noise levels.

### One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator to reduce engine speed to low idle rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

### Max. Flow Cut-off System

For precise control and finishing work, the Max. Flow Cut-off System reduces pump flow, thus allowing smooth operation.

### NEW MODE CONTROL SYSTEM

- ▶ **POWER MODE**  
H mode: High power    S mode: Standard power
- ▶ **WORK MODE**  
[Icon]: Heavy duty work  
[Icon]: General work  
[Icon]: Breaker
- ▶ **USER MODE**  
M mode: Maximum Power  
U mode: Memorizing Operator's Preferable Power Setting

### Automatic Engine Overheat Prevention

If the engine coolant temperature gets too high, the CPU controller lowers the engine speed and cools the engine.

### Anti Restart System

The new system protects the starter from restarting during engine operation, even if the operator accidentally turns the start key again.

### Power boost control System

When the power boost system is activated, digging power increases about 10%. It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.

### Automatic Warming-up System

After the engine is started, if the engine coolant temperature is low, the CPU controller increases the engine speed and automatically to warm up the engine more effectively.

### Pump Flow Control System

In neutral position: Pump flow is reduced to a minimum to eliminate power loss.  
In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

### Hydraulic Damper in Travel Pedal

Improved travel controllability & feeling by shock reducing when starting and stopping.

### CUMMINS B5.9-C ENGINE

The six cylinders, turbo-charged, 4 cycle, charger air cooled engine is built for power, reliability, economy and low emissions.



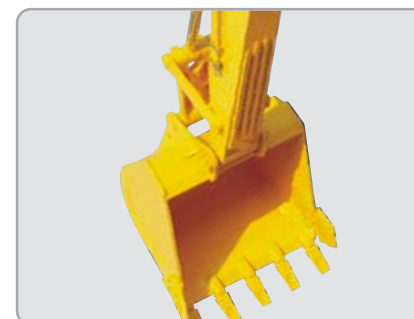
### A More Reliable Way To Reach You Dream.

The Cummins B5.9-C engine has been designed with 40% fewer parts than the competition. That means there's less that can go wrong when you need it most. It also means fewer parts to inventory. Repairs are simplified because no special tools are needed for maintenance. The weight of the machine is reduced without sacrificing strength.

The B5.9-C engine is capable of reaching emission standards without electronic engine controls. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

### Reinforced Bucket and Bucket Linkage

Sealed and adjustable bucket linkage provides less wear of pins and bushes as well as silent operation. The design includes bucket link durability and anti wear characteristics. Additional reinforcement plates on cutting edge section. Reinforced bucket is made with thicker steel and additional lateral plate.



### Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.



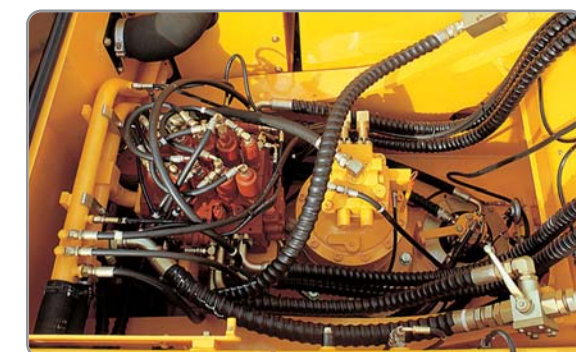
### Strong and Stable Lower Frame

Reinforced box-section frame is all welded, low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower rollers and track guards. Long undercarriage incorporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.



### Powerful and Precise Swing Control

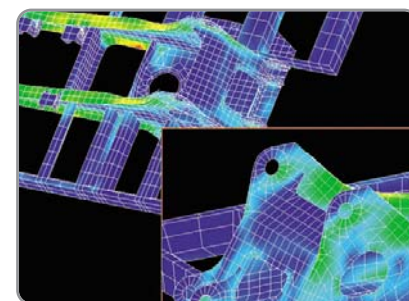
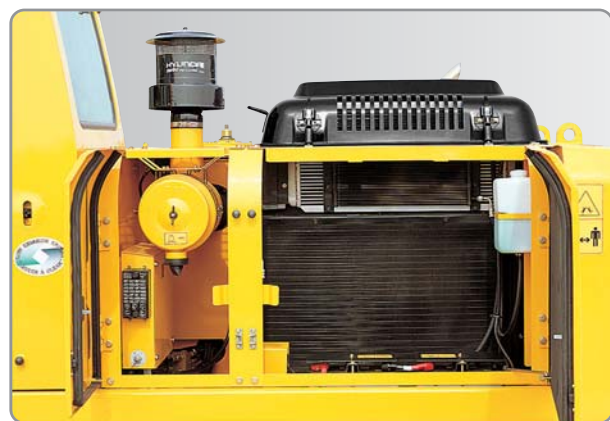
Improved shock absorbing characteristics make stopping a precise and smooth action





## Full open doors and master key system provide easy access for servicing.

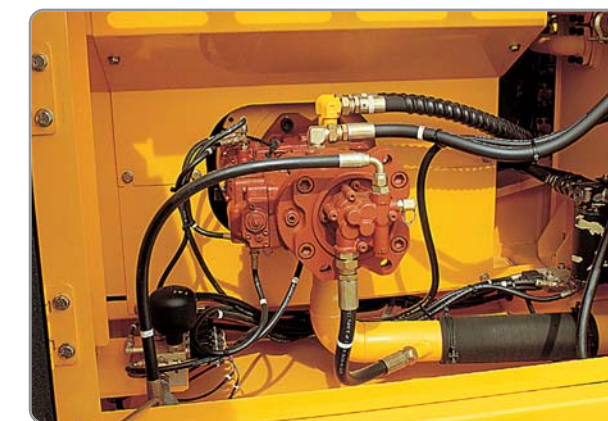
Handrails and foot steps are applied for safety



Durability of structure proven through FEM(Finite Element Method) analysis and long term durability test.



Large tool box for extra storage



### Highly efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased.

A pilot pump has been installed resulting in improved control sensitivity.

### Side Cover with Left & Right Swing Open Type

Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.



### Centralized Electric Control Box and Easy Change Air Cleaner Assembly

Electric control box and Air cleaner are centralized in one or the same compartment for easy service.



### Easy to maintain engine components

The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components.

Servicing of the engine and hydraulics is considerably simplified due to total accessibility.

■ Photo may include optional equipment.



## Engine

| Model                      |     | Cummins B5.9-C  |                             |
|----------------------------|-----|---|-----------------------------|
| Type                       |     | Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbo charged, charger air cooled, low emission |                             |
| Rated flywheel horse power | SAE | J1995 (gross)   | 178 HP (133 kW) at 2000 rpm |
|                            |     | J1349 (net)   | 163 HP (121 kW) at 2000 rpm |
|                            | DIN | 6271/1 (gross)  | 180 PS (133 kW) at 2000 rpm |
|                            |     | 6271/1 (net)  | 165 PS (121 kW) at 2000 rpm |
| Max. torque                |     | 72.2 kgf.m(522 lbf.ft) at 1500 rpm  |                             |
| Bore × stroke              |     | 102 x 120 mm (4" x 4.7")  |                             |
| Piston                     |     | 5,880 cc (359 cu in)  |                             |
| Batteries                  |     | 2 x 12 V x 100 AH   |                             |
| Starting motor             |     | 24 V, 4.5kW   |                             |
| Alternator                 |     | 24 V, 50 Amp  |                             |

## Hydraulic system

| Main pump                                 |   |
|---|---|
| Type                                      | Two variable displacement piston pumps  |
| Max. flow                                 | 2 × 220 l/min (59.2 US gpm / 49.3 UK gpm)   |
| Sub-pump for pilot circuit                | Gear pump   |
| Cross-sensing and fuel saving pump system |   |
| Hydraulic motors                          |   |
| Travel                                    | Two speed axial piston motor with brake valve and parking brake   |
| Swing                                     | Axial piston motor with automatic brake   |
| Relief valve setting                      |   |
| Implement circuits                        | 330 kgf/cm <sup>2</sup> (4690 psi)  |
| Travel                                    | 330 kgf/cm <sup>2</sup> (4690 psi)  |
| Power boost (boom, arm, bucket)           | 360 kgf/cm <sup>2</sup> (5120 psi)  |
| Swing circuit                             | 275 kgf/cm <sup>2</sup> (3910 psi)  |
| Pilot circuit                             | 35 kgf/cm <sup>2</sup> (500 psi)  |
| Service valve                             | Installed   |
| Hydraulic cylinders                       |   |
| No. of cylinder-bore × rod × stroke       | Boom : 2-140 × 95 × 1345 mm (5.5" × 3.7" × 52.9")<br>Arm : 1-150 × 110 × 1620 mm (5.9" × 4.3" × 63.8")<br>Bucket : 1-135 × 90 × 1185 mm (5.3" × 3.5" × 46.7") |

## Drives & Brakes

|                                 |   |
|---------------------------------|---|
| Drive method                    | Fully hydrostatic type                    |
| Drive motor                     | Axial piston motor, in-shoe design        |
| Reduction system                | Planetary reduction gear                  |
| Max. drawbar pull               | 21600 kgf (47600 lbf)                     |
| Max. travel speed(high) / (low) | 5.5 km/hr (3.4 mph) / 3.5 km/hr (2.2 mph) |
| Gradeability                    | 35° (70 %)                                |
| Parking brake                   | Multi wet disc                            |

## Control

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

|                        |   |
|------------------------|---|
| Pilot control          | Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO) |
| Traveling and steering | Two levers with pedals  |
| Engine throttle        | Electric, Dial type   |
| External Lights        | Two lights mounted on the boom one under the battery box                            |

## Swing system

|                           |                          |
|---------------------------|--------------------------|
| Swing motor               | Axial piston motor       |
| Swing reduction           | Planetary gear reduction |
| Swing bearing lubrication | Grease-bathed            |
| Swing brake               | Multi wet disc           |
| Swing speed               | 12.6 rpm                 |

## Coolant & Lubricant capacity

| (refilling)                      | liter | US gal | UK gal |
|----------------------------------|-------|--------|--------|
| Fuel tank                        | 340   | 89.8   | 74.8   |
| Engine coolant                   | 45    | 11.9   | 9.9    |
| Engine oil                       | 24    | 6.3    | 5.3    |
| Swing device                     | 6     | 1.6    | 1.3    |
| Final drive(each)                | 5.4   | 1.4    | 1.2    |
| Hydraulic system(including tank) | 300   | 79.3   | 66.0   |
| Hydraulic tank                   | 190   | 50.2   | 41.8   |

## Undercarriage

X-leg type center frame is integrally welded with reinforced boxsection track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled trak chain with triple grouser shoes.

|                                    |                     |
|------------------------------------|---------------------|
| Center frame                       | X - leg type        |
| Track frame                        | Pentagonal box type |
| No. of shoes on each side          | 51                  |
| No. of carrier roller on each side | 2                   |
| No. of track roller on each side   | 9                   |
| No. of track guard on each side    | 2                   |

## Operating weight (approximate)

Operating weight, including 5850mm (19' 2") boom, 3200m (10' 0") arm, PCSA heaped 1.08m<sup>3</sup> (1.41 yd<sup>3</sup>) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

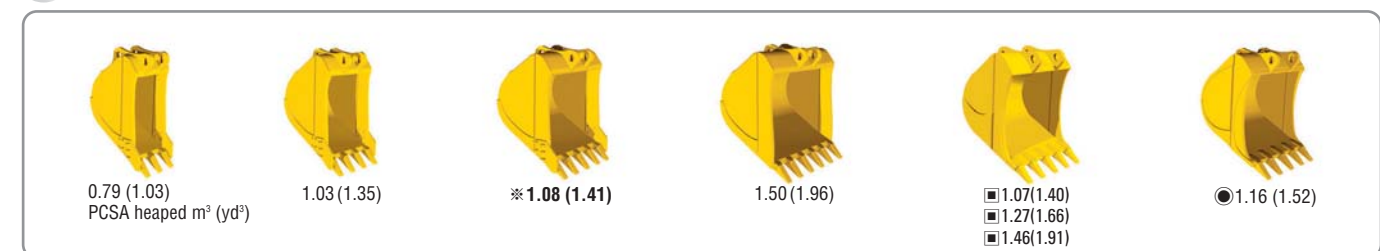
| Major component weight   |                    |
|--------------------------|--------------------|
| Upperstructure           | 5520 kg (12170 lb) |
| Counterweight            | 4600 kg (10140 lb) |
| Boom (with Arm cylinder) | 2280 kg (5030 lb)  |

## Operating weight

| Type           | Shoes Width mm(in) | Operating weight |                | Ground pressure kgf / cm <sup>2</sup> (psi) |
|----------------|--------------------|------------------|----------------|---|
|                |                    | kg(lb)           |                |   |
| Triple grouser | * 600 (24)         | R250LC-7         | 25,200(55,600) | 0.51(7.25)                                  |
|                |                    | R250NLC-7        | 25,100(55,300) | 0.51(7.25)                                  |
|                |                    | R250LC-7 H/C     | 27,450(60,520) | 0.53(7.54)                                  |
|                | 700 (28)           | R250LC-7         | 25,500(56,200) | 0.44(6.26)                                  |
|                |                    | R250LC-7 H/C     | 28,020(61,770) | 0.46(6.54)                                  |
|                |                    | 800 (32)         | R250LC-7       | 25,800(56,900)                              |
| R250LC-7 H/C   | 28,400(62,610)     |                  | 0.41(5.83)     |   |
| 900 (36)       | R250LC-7           | 26,100(57,500)   | 0.35(4.98)     |   |
|                | Double grouser     | 710 (28)         | R250LC-7 H/C   | 28,620(63,100)                              |

\* Standard equipment

## Buckets



| Capacity m <sup>3</sup> (yd <sup>3</sup> ) | Width mm (in) | Weight kg (lb)       | Recommendation mm(ft.in) |                |               |              |               |                |
|--|---------------|----------------------|--------------------------|----------------|---------------|--------------|---------------|----------------|
|  |               |                      | Boom                     | *5850 (19' 2") |               |              |               |                |
| PCSA heaped                                | CECE heaped   | Without side cutters | With side cutters        | Arm            | 2100 (6' 11") | 2500 (8' 2") | 3050 (10' 0") | 3600 (11' 10") |
| 0.79 (1.03)                                | 0.70 (0.92)   | 890 (35.0)           | 1050 (41.3)              | 740 (1630)     | ●             | ●            | ●             | ●              |
| 1.03 (1.35)                                | 0.90 (1.18)   | 1090 (42.9)          | 1230 (48.4)              | 850 (1870)     | ●             | ●            | ●             | ■              |
| *1.08 (1.41)                               | 0.95 (1.24)   | 1130 (44.5)          | 1250 (49.2)              | 890 (1960)     | ●             | ●            | ■             | ▲              |
| 1.50 (1.96)                                | 1.30 (1.70)   | 1490 (58.7)          | 1610 (63.4)              | 1020 (2250)    | ●             | ■            | ▲             | -              |
| ■1.07 (1.40)                               | 0.95 (1.24)   | 1060 (41.7)          | -                        | 1100 (2430)    | ●             | ●            | ●             | ■              |
| ■1.27 (1.66)                               | 1.10 (1.44)   | 1220 (48.0)          | -                        | 1130 (2490)    | ●             | ●            | ■             | ▲              |
| ■1.46 (1.91)                               | 1.28 (1.67)   | 1370 (53.9)          | -                        | 1260 (2780)    | ●             | ■            | ▲             | -              |
| ●1.16 (1.52)                               | 1.00 (1.31)   | 1305 (51.6)          | -                        | 1260 (2780)    | ●             | ●            | ■             | -              |

\*: Standard backhoe bucket  
■: Heavy-duty  
●: Rock bucket-Heavy duty

●: Applicable for materials with density of 2,000 kg / m<sup>3</sup> (3,370 lb/ yd<sup>3</sup>) or less  
■: Applicable for materials with density of 1,600 kg / m<sup>3</sup> (2,700 lb/ yd<sup>3</sup>) or less  
▲: Applicable for materials with density of 1,100 kg / m<sup>3</sup> (1,850 lb/ yd<sup>3</sup>) or less

## Arms

Boom and arms are of all-welded, low-stress, full-box section design. 5850 mm(19' 2") mono boom and 2100 mm(6' 11"), 2500 mm(8' 2"), 3050 mm(10' 10"), 3600 mm (11' 10"), arms are available. Buckets are all-welded, high-strength steel implements.

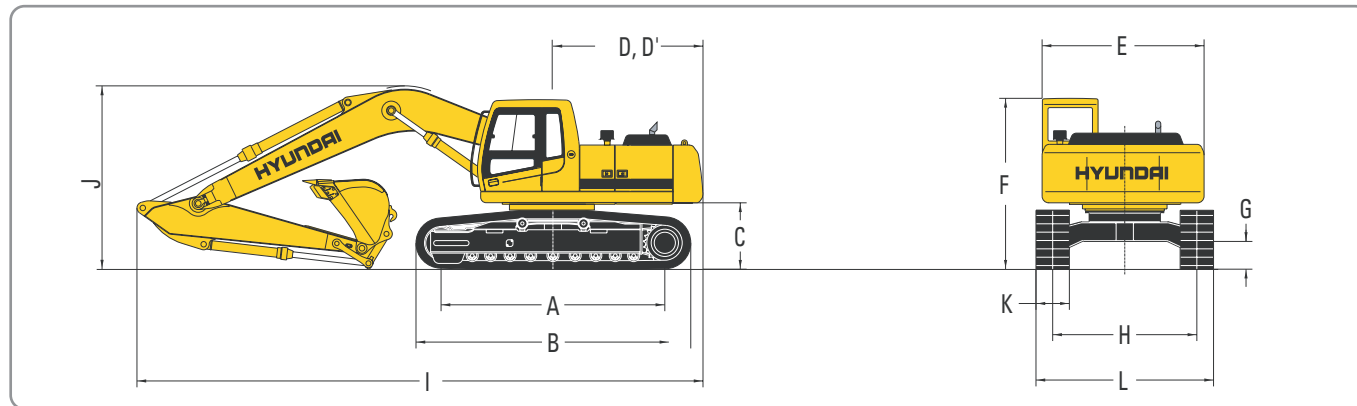


## Digging force

| Arm                  | Length | mm(ft.in)     | 2100 (6' 11") | 2500 (8' 2")  | *3050 (10' 0") | 3600 (11' 10") | Remark              |
|----------------------|--------|---------------|---------------|---------------|----------------|----------------|---------------------|
|                      |        |               | Weight        | kg(lb)        | 1330 (2930)    | 1360 (3000)    |                     |
| Bucket digging force | SAE    | kN            | 156.9 [171.2] | 156.9 [171.2] | 156.9 [171.2]  | 156.9 [171.2]  | [ ]:<br>Power Boost |
|                      |        |               | kgf           | 16000 [17450] | 16000 [17450]  | 16000 [17450]  |                     |
|                      | lbf    | 35270 [38480] | 35270 [38480] | 35270 [38480] | 35270 [38480]  |                |                     |
|                      | ISO    | kN            | 178.5 [194.7] | 178.5 [194.7] | 178.5 [194.7]  | 178.5 [194.7]  |                     |
| Arm crowd force      | SAE    | kN            | 135.3 [147.6] | 130.4 [142.3] | 114.7 [125.2]  | 116.7 [127.3]  |                     |
|                      |        |               | kgf           | 13800 [15050] | 13300 [14510]  | 11700 [12760]  | 11900 [12980]       |
|                      | lbf    | 30420 [33190] | 29320 [31990] | 25790 [28130] | 26230 [28610]  |                |                     |
|                      | ISO    | kN            | 140.2 [153.0] | 134.4 [146.6] | 118.7 [129.4]  | 120.6 [131.6]  |                     |
|                      | kgf    | 14300 [15600] | 13700 [14950] | 12100 [13200] | 12300 [13420]  |                |                     |
|                      | lbf    | 31530 [34400] | 30200 [32950] | 26680 [29110] | 27120 [29590]  |                |                     |

Note : Arm weight including bucket cylinder and linkage. \* Standard arm

## Dimensions R250LC-7 / R250NLC-7

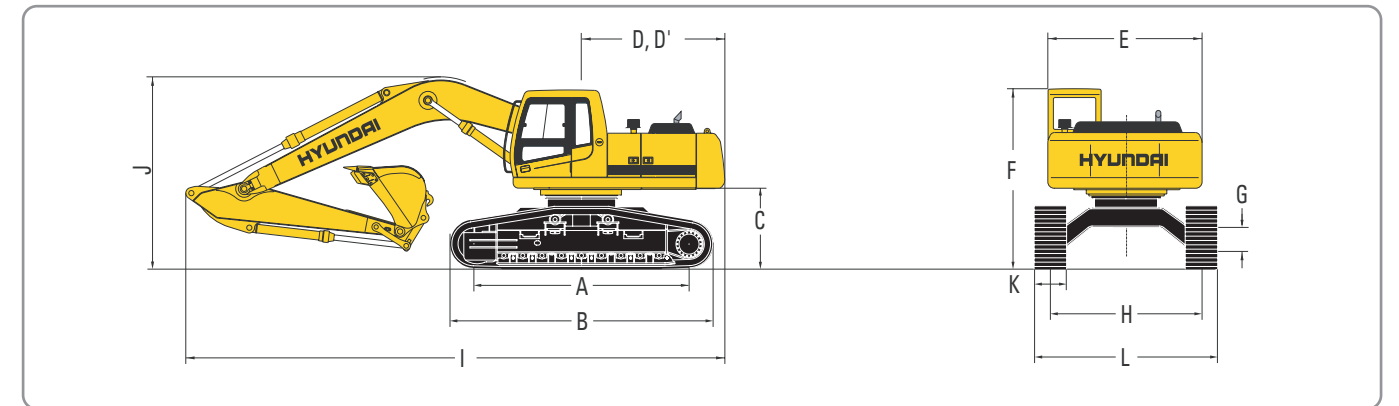


|    |                                   | mm (ft · in)           |                         |
|----|-----------------------------------|------------------------|-------------------------|
| A  | Tumbler distance                  | R250LC-7 3830 (12' 7") | R250NLC-7 3830 (12' 7") |
| B  | Overall length of crawler         | 4640 (15' 3")          |                         |
| C  | Ground clearance of counterweight | 1115 (3' 8")           |                         |
| D  | Tail swing radius                 | 2965 (9' 9")           |                         |
| D' | Rear-end length                   | 2840 (9' 5")           |                         |
| E  | Overall width of upperstructure   | 2980 (9' 4")           |                         |
| F  | Overall height of cab             | 2990 (9' 10")          |                         |
| G  | Min. ground clearance             | 480 (1' 7")            |                         |
| H  | Track gauge                       | R250LC-7 2580 (8' 6")  | R250NLC-7 2380 (7' 10") |

|             |                        | mm (ft · in)           |                 |                |                |
|-------------|------------------------|------------------------|-----------------|----------------|----------------|
| Boom length |                        | ※5850 (19' 2")         |                 |                |                |
| Arm length  |                        | 2100 (6' 11")          | 2500 (8' 2")    | ※3050 (10' 0") | 3600 (11' 10") |
| I           | Overall length         | 10050 (33' 0")         | 10000 (32' 10") | 9920 (32' 7")  | 9910 (32' 6")  |
| J           | Overall height of boom | 3530 (11' 7")          | 3590 (11' 9")   | 3220 (10' 7")  | 3590 (11' 9")  |
| K           | Track shoe width       | ※600 (24")             | 700 (28")       | 800 (32")      | 900 (36")      |
| L           | Overall width          | R250LC-7 3180 (10' 5") | 3280 (10' 9")   | 3380 (11' 1")  | 3480 (11' 5")  |
|             |                        | R250NLC-7 2980 (9' 9") | -               | -              | -              |

※ Standard Equipment

## Dimensions R250LC-7 High Chassis

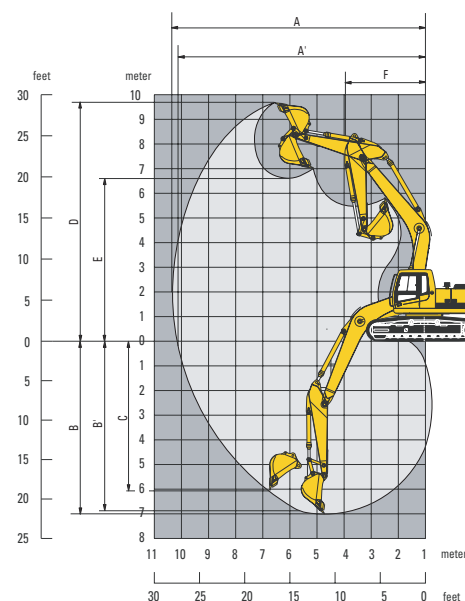


|    |                                   | mm (ft · in)   |  |
|----|-----------------------------------|----------------|--|
| A  | Tumbler distance                  | 4030 (13' 3")  |  |
| B  | Overall length of crawler         | 4940 (16' 2")  |  |
| C  | Ground clearance of counterweight | 1470 (4' 10")  |  |
| D  | Tail swing radius                 | 2965 (9' 9")   |  |
| D' | Rear-end length                   | 2870 (9' 5")   |  |
| E  | Overall width of upperstructure   | 2840 (9' 4")   |  |
| F  | Overall height of cab             | 3345 (10' 12") |  |
| G  | Min. ground clearance             | 765 (2' 6")    |  |
| H  | Track gauge                       | 2790 (9' 2")   |  |

|             |                        | mm (ft · in)   |               |                |                |
|-------------|------------------------|----------------|---------------|----------------|----------------|
| Boom length |                        | ※5850 (19' 2") |               |                |                |
| Arm length  |                        | 2100 (6' 11")  | 2500 (8' 2")  | ※3050 (10' 6") | 3600 (11' 10") |
| I           | Overall length         | 10060 (33' 0") | 9970 (32' 9") | ※9760 (32' 0") | 9930 (32' 7")  |
| J           | Overall height of boom | 3610 (11' 10") | 3750 (12' 4") | 3240 (10' 8")  | 3620 (11' 11") |
| K           | Track shoe width       | ※600 (23.6")   | 700 (27.6")   | 800 (31.5")    | 900 (35.4")    |
| L           | Overall width          | 3390 (11' 1")  | 3490 (11' 5") | 3590 (11' 9")  | 3690 (12' 1")  |

※ Standard Equipment

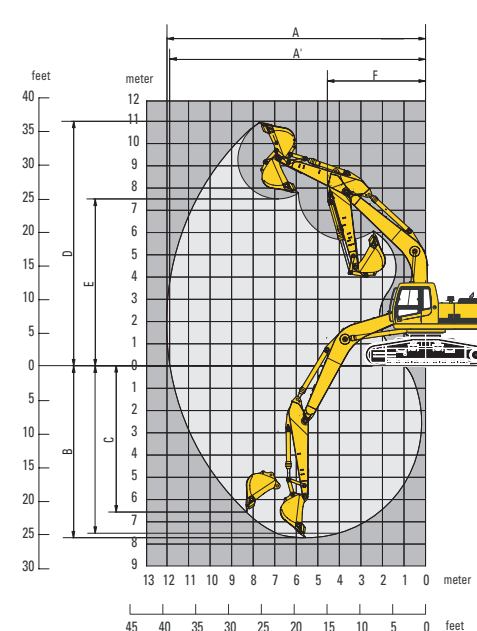
## Working ranges R250LC-7 / R250NLC-7



|             |                                  | mm (ft · in)   |               |                |                |
|-------------|----------------------------------|----------------|---------------|----------------|----------------|
| Boom length |                                  | ※5850 (19' 2") |               |                |                |
| Arm length  |                                  | 2100 (6' 11")  | 2500 (8' 2")  | ※3050 (10' 0") | 3600 (11' 10") |
| A           | Max. digging reach               | 9550 (31' 4")  | 9870 (32' 5") | 10360 (34' 0") | 10870 (35' 8") |
| A'          | Max. digging reach on ground     | 9360 (30' 9")  | 9680 (31' 9") | 10190 (33' 5") | 10700 (35' 1") |
| B           | Max. digging depth               | 6050 (19' 10") | 6450 (21' 2") | 7000 (23' 0")  | 7550 (24' 9")  |
| B'          | Max. digging depth (8' level)    | 5840 (19' 2")  | 6260 (20' 6") | 6830 (22' 5")  | 7400 (24' 3")  |
| C           | Max. vertical wall digging depth | 5480 (18' 0")  | 5640 (18' 6") | 6150 (20' 2")  | 6830 (22' 5")  |
| D           | Max. digging height              | 9450 (31' 0")  | 9460 (31' 0") | 9670 (31' 9")  | 9920 (32' 7")  |
| E           | Max. dumping height              | 6360 (20' 10") | 6420 (21' 1") | 6630 (21' 9")  | 6860 (22' 6")  |
| F           | Min. swing radius                | 4420 (14' 6")  | 4200 (13' 9") | 3980 (13' 1")  | 3900 (12' 10") |

※ Standard Equipment

## Working ranges R250LC-7 High Chassis



|             |                                  | mm (ft · in)   |                |                 |                 |
|-------------|----------------------------------|----------------|----------------|-----------------|-----------------|
| Boom length |                                  | ※5850 (19' 2") |                |                 |                 |
| Arm length  |                                  | 2100 (6' 11")  | 2500 (8' 2")   | ※3050 (10' 6")  | 3600 (11' 10")  |
| A           | Max. digging reach               | 9550 (31' 4")  | 9870 (32' 5")  | 10360 (33' 12") | 10870 (35' 8")  |
| A'          | Max. digging reach on ground     | 9280 (30' 5")  | 9160 (31' 6")  | 10110 (33' 2")  | 10360 (34' 11") |
| B           | Max. digging depth               | 5680 (18' 8")  | 6080 (19' 11") | 6630 (21' 9")   | 7180 (23' 7")   |
| B'          | Max. digging depth (8' level)    | 5470 (17' 11") | 5890 (19' 4")  | 6460 (21' 2")   | 7030 (23' 1")   |
| C           | Max. vertical wall digging depth | 5120 (16' 10") | 5300 (17' 5")  | 5790 (18' 12")  | 6470 (21' 3")   |
| D           | Max. digging height              | 9820 (32' 3")  | 9840 (32' 3")  | 10040 (32' 11") | 10280 (33' 9")  |
| E           | Max. dumping height              | 6730 (22' 1")  | 6790 (22' 3")  | 7000 (22' 12")  | 7220 (23' 8")   |
| F           | Min. swing radius                | 4140 (13' 7")  | 4030 (13' 3")  | 3940 (12' 11")  | 3900 (12' 10")  |

※ Standard Equipment







• Boom : 5.85m (19' 2") • Arm : 3.05 m (10' 0") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140lb) counterweight

| Load point height<br>m(ft) | Load radius    |        |                 |        |                 |        |                 |        |                 |        | At max. reach |       |        |        |
|----------------------------|----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|---------------|-------|--------|--------|
|                            | 1.5 m (5.0 ft) |        | 3.0 m (10.0 ft) |        | 4.5 m (15.0 ft) |        | 6.0 m (20.0 ft) |        | 7.5 m (25.0 ft) |        | Capacity      | Reach |        |        |
|                            |                |        |                 |        |                 |        |                 |        |                 |        |               |       |        |        |
| 6.0 m (20.0 ft)            | kg             |        |                 |        |                 |        |                 |        | *4100           | 3570   | 4380          | 2370  | 9.22   |        |
|                            | lb             |        |                 |        |                 |        |                 |        | *9040           | 7870   | 9660          | 5220  | (30.2) |        |
| 4.5 m (15.0 ft)            | kg             |        |                 |        |                 |        |                 | *5460  | 5230            | *5160  | 3440          | 3860  | 2020   | 9.74   |
|                            | lb             |        |                 |        |                 |        |                 | *12040 | 11530           | *11380 | 7580          | 8510  | 4450   | (32.0) |
| 3.0 m (10.0 ft)            | kg             |        |                 | *13880 | *13880          | *8560  | 7780            | *6670  | 4830            | *5780  | 3240          | 3610  | 1840   | 9.98   |
|                            | lb             |        |                 | *30600 | *30600          | *18870 | 17150           | *14700 | 10650           | *12740 | 7140          | 7960  | 4060   | (32.7) |
| 1.5 m (5.0 ft)             | kg             |        |                 | *9530  | *9530           | *11070 | 6940            | *7970  | 4420            | 5720   | 3030          | 3560  | 1790   | 9.95   |
|                            | lb             |        |                 | *21010 | *21010          | *24410 | 15300           | *17570 | 9740            | 12610  | 6680          | 7850  | 3950   | (32.6) |
| Ground Line                | kg             |        |                 | *10660 | *10660          | *12720 | 6430            | 7980   | 4120            | 5530   | 2850          | 3710  | 1860   | 9.65   |
|                            | lb             |        |                 | *23500 | *23500          | *28040 | 14180           | 17590  | 9080            | 12190  | 6280          | 8180  | 4100   | (31.7) |
| -1.5 m (-5.0 ft)           | kg             | *10020 | *10020          | *13980 | 12620           | 12870  | 6250            | 7790   | 3960            | 5430   | 2760          | 4130  | 2100   | 9.05   |
|                            | lb             | *22090 | *22090          | *30820 | 27820           | 28370  | 13780           | 17170  | 8730            | 11970  | 6080          | 9110  | 4630   | (29.7) |
| -3.0 m (-10.0 ft)          | kg             | *13650 | *13650          | *18590 | 12840           | 12900  | 6270            | 7780   | 3950            | 5060   | 2640          | 5060  | 2640   | 8.06   |
|                            | lb             | *30090 | *30090          | *40980 | 28310           | 28440  | 13820           | 17150  | 8710            | 11160  | 5820          | 11160 | 5820   | (26.4) |
| -4.5 m (-15.0 ft)          | kg             | *17980 | *17980          | *16880 | 13290           | *11570 | 6490            | 7980   | 4120            | *6060  | 4010          | 6060  | 4010   | 6.48   |
|                            | lb             | *39640 | *39640          | *37210 | 29300           | *25510 | 14310           | 17590  | 9080            | *13360 | 8840          | 13360 | 8840   | (21.3) |

• Boom : 5.85m (19' 2") • Arm : 2.50 m (8' 2") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140lb) counterweight

| Load point height<br>m(ft) | Load radius    |        |                 |        |                 |        |                 |        |                 |        | At max. reach |        |        |              |
|----------------------------|----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|---------------|--------|--------|--------------|
|                            | 1.5 m (5.0 ft) |        | 3.0 m (10.0 ft) |        | 4.5 m (15.0 ft) |        | 6.0 m (20.0 ft) |        | 7.5 m (25.0 ft) |        | Capacity      | Reach  |        |              |
|                            |                |        |                 |        |                 |        |                 |        |                 |        |               |        |        |              |
| 6.0 m (20.0 ft)            | kg             |        |                 |        |                 |        |                 |        |                 |        | *5540         | *5540  | 3560   | 8.83         |
|                            | lb             |        |                 |        |                 |        |                 |        |                 |        | *12210        | *12210 | *11130 | 7850 (29.0)  |
| 4.5 m (15.0 ft)            | kg             |        |                 |        |                 |        |                 | *7770  | *7770           | *6440  | *6440         | *5850  | 4600   | 9.32         |
|                            | lb             |        |                 |        |                 |        |                 | *17130 | *17130          | *14200 | *14200        | *12900 | 10140  | 3140 (30.6)  |
| 3.0 m (10.0 ft)            | kg             |        |                 |        |                 |        |                 | *10330 | 10080           | *7650  | 6380          | *6430  | 4410   | 2950         |
|                            | lb             |        |                 |        |                 |        |                 | *22770 | 22220           | *16870 | 14070         | *14180 | 9720   | 10560 (31.2) |
| 1.5 m (5.0 ft)             | kg             |        |                 |        |                 |        |                 | *12400 | 9390            | *8780  | 6020          | 6860   | 4230   | 2940         |
|                            | lb             |        |                 |        |                 |        |                 | *27340 | 20700           | *19360 | 13270         | 15120  | 9330   | 6480 (30.8)  |
| Ground Line                | kg             |        |                 |        |                 |        |                 | *13360 | 9090            | *9520  | 5800          | 6730   | 4110   | 3140         |
|                            | lb             |        |                 |        |                 |        |                 | *29450 | 20040           | *20990 | 12790         | 14840  | 9060   | 6920 (29.6)  |
| -1.5 m (-5.0 ft)           | kg             | *12220 | *12220          | *16770 | 12620           | 12870  | 6250            | 7790   | 3960            | 5430   | 2760          | 4130   | 2100   | 8.28         |
|                            | lb             | *26940 | *26940          | *36970 | 27820           | 28370  | 13780           | 17170  | 8730            | 11970  | 6080          | 9110   | 4630   | (27.2)       |
| -3.0 m (-10.0 ft)          | kg             | *17990 | *17990          | *17840 | 12840           | 12900  | 6270            | 7780   | 3950            | 5060   | 2640          | 5060   | 2640   | 7.07         |
|                            | lb             | *39660 | *39660          | *39330 | 28310           | 28440  | 13820           | 17150  | 8710            | 11160  | 5820          | 11160  | 5820   | (23.2)       |
| -4.5 m (-15.0 ft)          | kg             |        |                 | *13960 | 13290           | *11570 | 6490            | 7980   | 4120            | *9750  | 9610          | 9750   | 9610   | 6.48         |
|                            | lb             |        |                 | *30780 | 29300           | *25510 | 14310           | 17590  | 9080            | *21500 | 21190         | 21500  | 21190  | (21.3)       |

• Boom : 5.85m (19' 2") • Arm : 3.60 m (11' 10") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140 lb) counterweight

| Load point height<br>m(ft) | Load radius    |        |                 |        |                 |        |                 |        |                 |        | At max. reach   |       |          |             |
|----------------------------|----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|-------|----------|-------------|
|                            | 1.5 m (5.0 ft) |        | 3.0 m (10.0 ft) |        | 4.5 m (15.0 ft) |        | 6.0 m (20.0 ft) |        | 7.5 m (25.0 ft) |        | 9.0 m (30.0 ft) |       | Capacity | Reach       |
|                            |                |        |                 |        |                 |        |                 |        |                 |        |                 |       |          |             |
| 6.0 m (20.0 ft)            | kg             |        |                 |        |                 |        |                 |        |                 | *4210  | 3660            | 3940  | 2090     | 9.77        |
|                            | lb             |        |                 |        |                 |        |                 |        |                 | *9280  | 8070            | 8690  | 4610     | (32.1)      |
| 4.5 m (15.0 ft)            | kg             |        |                 |        |                 |        |                 |        |                 | *4620  | 3510            | *2800 | 2350     | 10.27       |
|                            | lb             |        |                 |        |                 |        |                 |        |                 | *10190 | 7740            | *6170 | 5180     | 33.7 (33.7) |
| 3.0 m (10.0 ft)            | kg             |        |                 |        |                 |        |                 |        |                 | *5300  | 3290            | *3990 | 2250     | 10.49       |
|                            | lb             |        |                 |        |                 |        |                 |        |                 | *11680 | 7250            | *8800 | 4960     | 34.4 (34.4) |
| 1.5 m (5.0 ft)             | kg             |        |                 | *12710 | *12710          | *10140 | 7160            | *7400  | 4510            | 5760   | 3060            | 4180  | 2130     | 10.46       |
|                            | lb             |        |                 | *28020 | *28020          | *22350 | 15790           | *16310 | 9940            | 12700  | 6750            | 9220  | 4700     | 34.3 (34.3) |
| Ground Line                | kg             |        |                 | *11110 | *11110          | *12150 | 6540            | 8030   | 4160            | 5540   | 2860            | 4070  | 2030     | 10.18       |
|                            | lb             |        |                 | *24490 | *24490          | *26790 | 14420           | 17700  | 9170            | 12210  | 6310            | 8970  | 4480     | 33.4 (33.4) |
| -1.5 m (-5.0 ft)           | kg             | *9080  | *9080           | *13310 | 12560           | 12890  | 6250            | 7790   | 3950            | 5400   | 2730            | 3690  | 1830     | 9.62        |
|                            | lb             | *20020 | *20020          | *29340 | 27690           | 28420  | 13780           | 17170  | 8710            | 11900  | 6020            | 8140  | 4030     | (31.6)      |
| -3.0 m (-10.0 ft)          | kg             | *12220 | *12220          | *16960 | 12660           | 12820  | 6190            | 7710   | 3880            | 4390   | 2240            | 4390  | 2240     | 8.71        |
|                            | lb             | *26940 | *26940          | *37390 | 27910           | 28260  | 13650           | 17000  | 8550            | 11840  | 5950            | 9680  | 4940     | (28.6)      |
| -4.5 m (-15.0 ft)          | kg             | *15960 | *15960          | *18260 | 13010           | *12250 | 6330            | 7820   | 3970            | *5900  | 3190            | 5900  | 3190     | 7.30        |
|                            | lb             | *35190 | *35190          | *40260 | 28680           | *27010 | 13960           | 17240  | 8750            | *13010 | 7030            | 13010 | 7030     | (24.0)      |

• Boom : 5.85m (19' 2") • Arm : 3.05 m (11' 10") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140 lb) counterweight

| Load point height<br>m(ft) | Load radius    |        |                 |        |                 |        |                 |       |                 |        | At max. reach |        |        |             |             |
|----------------------------|----------------|--------|-----------------|--------|-----------------|--------|-----------------|-------|-----------------|--------|---------------|--------|--------|-------------|-------------|
|                            | 1.5 m (5.0 ft) |        | 3.0 m (10.0 ft) |        | 4.5 m (15.0 ft) |        | 6.0 m (20.0 ft) |       | 7.5 m (25.0 ft) |        | Capacity      | Reach  |        |             |             |
|                            |                |        |                 |        |                 |        |                 |       |                 |        |               |        |        |             |             |
| 6.0 m (20.0 ft)            | kg             |        |                 |        |                 |        |                 |       |                 |        | *4570         | *4570  | *4600  | 3190        | 9.37        |
|                            | lb             |        |                 |        |                 |        |                 |       |                 |        | *10080        | *10080 | *10140 | 7030 (30.7) |             |
| 4.5 m (15.0 ft)            | kg             |        |                 |        |                 |        |                 |       |                 |        | *5720         | *5720  | *5290  | 4650        | 9.82        |
|                            | lb             |        |                 |        |                 |        |                 |       |                 |        | *12610        | *12610 | *11660 | 10250       | 32.2 (32.2) |
| 3.0 m (10.0 ft)            | kg             |        |                 |        |                 |        |                 |       |                 | *15600 | *15600        | *9200  | *9200  | 2660        |             |
|                            | lb             |        |                 |        |                 |        |                 |       |                 | *34390 | *34390        | *20280 | *20280 | 5860 (32.8) |             |
| 1.5 m (5.0 ft)             | kg             |        |                 |        |                 |        |                 |       |                 | *9380  | *9380         | *11560 | 9510   | 2650        |             |
|                            | lb             |        |                 |        |                 |        |                 |       |                 | *20680 | *20680        | *25490 | 20970  | 5840 (32.5) |             |
| Ground Line                | kg             | *7400  | *7400           | *11330 | 6540            | 8030   | 4160            | 5540  | 2860            | 4070   | 2030          | 3360   | 1640   | 9.53        |             |
|                            | lb             | *16310 | *16310          | *24980 | 14420           | 17700  | 9170            | 12210 | 6310            | 8970   | 4480          | 7410   | 3620   | (31.3)      |             |
| -1.5 m (-5.0 ft)           | kg             | *10840 | *10840          | *14940 | 12560           | 12890  | 6250            | 7790  | 3950            | 5400   | 2730          | 3690   | 1830   | 8.85        |             |
|                            | lb             | *23900 | *23900          | *32940 | 27690           | 28420  | 13780           | 17170 | 8710            | 11900  | 6020          | 8140   | 4030   | (29.0)      |             |
| -3.0 m (-10.0 ft)          | kg             | *14600 | *14600          | *19040 | 12660           | 12820  | 6190            | 7710  | 3880            | 4390   | 2240          | 4390   | 2240   | 7.76        |             |
|                            | lb             | *32190 | *32190          | *41980 | 27910           | 28260  | 13650           | 17000 | 8550            | 11840  | 5950          | 9680   | 4940   | (25.5)      |             |
| -4.5 m (-15.0 ft)          | kg             |        |                 | *15960 | 13010           | *12250 | 6330            | 7820  | 3970            | *10980 | 9290          | 10980  | 9290   | 6.86        |             |
|                            | lb             |        |                 | *35190 | 28680           | *27010 | 13960           | 17240 | 8750            | *24210 | 20480         | 24210  | 20480  | (21.3)      |             |

## Lifting capacities - R250LC-7High Chassis

Rating over-front Rating over-side or 360 degree

• Boom : 5.85m (19' 2") • Arm : 2.10 m (6' 11") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140lb) counterweight

| Load point height<br>m(ft) | Load radius     |  |                 |        |                 |        | At max. reach   |        |      |        |      |        |
|----------------------------|-----------------|--|-----------------|--------|-----------------|--------|-----------------|--------|------|--------|------|--------|
|                            | 3.0 m (10.0 ft) |  | 4.5 m (15.0 ft) |        | 6.0 m (20.0 ft) |        | 7.5 m (25.0 ft) |        |      |        |      |        |
|                            |                 |  |                 |        |                 |        |                 |        |      |        |      |        |
| 6.0 m (20.0 ft)            | kg              |  |                 |        |                 |        |                 |        |      | *5390  | 3780 | 8.49   |
|                            | lb              |  |                 |        |                 |        |                 |        |      | *11880 | 8330 | (27.9) |
| 4.5 m (15.0 ft)            | kg              |  |                 | *8510  | *8510           | *6870  | 6680            | *6200  | 4530 | 5310   | 3310 | 9.00   |
|                            | lb              |  |                 | *18760 | *18760          | *15150 | 14730           | *13670 | 9990 | 11710  | 7300 | (29.5) |
| 3.0 m (10.0 ft)            | kg              |  |                 | *11020 | 9880            | *8020  | 6290            | *6710  | 4370 | 5040   | 3110 | 9.19   |
|                            | lb              |  |                 | *24290 | 21780           | *17680 | 13870           | *14790 | 9630 | 11110  | 6860 | (30.2) |
| 1.5 m (5.0 ft)             | kg              |  |                 | *12840 | 9280            | *9060  | 5970            | 6840   | 4210 | 5080   |      |        |