

STANDARD EQUIPMENT

| |
|---|
| ISO Standard cabin |
| All-weather steel cab with 360° visibility |
| Safety glass windows |
| Rise-up type windshield wiper |
| Sliding fold-in front window |
| Sliding side window |
| Lockable door |
| Hot & cool box |
| Storage compartment & Ashtray |
| Transparent cabin roof-cover |
| CD/MP3 Player |
| Handsfree mobile phone system with USB |
| Sun visor |
| Computer aided power optimization (New CAPO) system |
| 3-power mode, 3-work mode, User mode |
| Auto deceleration & one-touch deceleration system |
| Auto warm-up system |
| Auto overheat prevention system |
| Automatic climate control |
| Air conditioner & heater |
| Defroster |
| Self-diagnostics system |
| Starting Aid (air grid heater) for cold weather |
| Centralized monitoring |
| LCD display |
| Engine speed or Trip meter/Accel. |
| Clock |
| Gauges |
| Fuel level gauge |
| Engine coolant temperature gauge |
| Hyd. oil temperature gauge |
| Warnings |
| Check Engine |
| Overload |
| Communication error |
| Low battery |
| Air cleaner clogging |
| Indicators |
| Max power |
| Low speed/High speed |
| Fuel warmer |
| Auto idle/Auto cruise |
| Door and cab locks, one key |
| Two outside rearview mirrors |
| Fully adjustable suspension seat with seat belt |
| Pilot-operated slidable joystick |
| Console box tilting system (LH.) |
| Three frontal working lights |
| Electric horn |
| Batteries (2 x 12V x 100 AH) |
| Battery master switch |
| Removable clean-out screen for oil cooler |
| Automatic swing brake |
| Removable reservoir tank |
| Fuel pre-filter with fuel warmer |
| Boom holding system |
| Arm holding system |
| Counterweight (4,600kg, 10,140lb) |
| Track shoes (600mm, 24") |
| Track rail guard |
| Viscous fan clutch |
| Accumulator for lowering work equipment |
| Electric transducer |

OPTIONAL EQUIPMENT

| |
|--|
| Fuel filler pump (50 L/min) |
| 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 (clamshell, etc.) |
| Quick coupler |
| 12 volt power outlet (24V DC to 12V DC converter) |
| Travel alarm |
| Booms |
| 5.85 m, 19' 2" |
| 5.85 m, 19' 2" Heavy duty |
| Arms |
| 2.1 m, 6' 11" |
| 2.5 m, 8' 2" |
| 3.05 m, 10' 0" |
| 3.6 m, 11' 10" |
| 3.05 m, 10' 0" Heavy duty |
| Cabin FOPS/FOG (ISO/DIS 10262) |
| FOPS (Falling Object Protective Structure) |
| FOG (Falling Object Guard) |
| Cabin roof-steel cover |
| Cabin lights |
| Cabin front window rain guard |
| Track shoes |
| Triple grouser shoe (700mm, 28") |
| Triple grouser shoe (800mm, 32") |
| Triple grouser shoe (900mm, 36") |
| Double grouser shoe (700mm, 28") |
| Full track rail guard (High walker only) |
| Lower frame under-cover |
| Pre-heating system, coolant |
| Tool kit |
| Operator suit |
| Low-noise kit |
| Rearview camera |
| Engine emergency control cable |
| Seat |
| Adjustable air suspension seat |
| Adjustable air suspension seat with heater |
| Mechanical suspension seat with heater |
| Pattern change valve (4 patterns) |
| Hi-mate (Remote Management System) |

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

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2008.11 Rev 0

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We build a better future

Robex
250LC-9
With Tier 3 Engine installed



*Photo may include optional equipment.

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

Robex 250LC-9

**BUILT FOR MAXIMUM POWER,
PERFORMANCE, AND RELIABILITY.**

A new chapter in construction equipment has begun.



 **Hi-mate**
Remote Management System

Hi-mate, Hyundai's newly developed remote management system, utilizes in GPS-satellite technology, to provide our customers with the highest level of service and product support available. Hi-mate enables a dealer or end user to remotely evaluate machine performance, access diagnostic information and verify machine location at the touch of a button.

*Photo may include optional equipment.

Cabin Design Technology

The fully re-designed cabin offers low noise operation and increased visibility, providing a pleasant working environment for the operator.

Ergonomic Joystick

New joystick grips offering precise control are equipped with 4 switches.



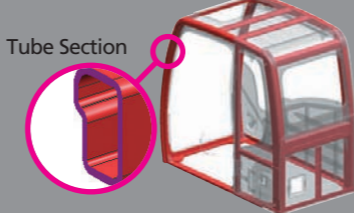
Wide Cabin with Excellent Visibility

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



Enhanced Structure

The operators' cabin tube-structure thickness has been improved for optimum safety.



*Photo may include optional equipment



- 1 Handsfree mobile phone with USB connector
- 2 Small cup holders and ashtray
- 3 MP3/CD Player with remote control
- 4 Seat heater (Optional)
- 5 Storage compartment
- 6 Additional storage area



Centralized Operation Buttons



Sunroof with Sliding Cover



Increased Tilt Angle of Operator's Seat



Rear Window Emergency Exit



Window Locking Device

Improved Performance & Safety Features

Overcome the limits with Robex 9



*Photo may include optional equipment.



Track Rail Guard & Adjusters

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

Cummins QSB6.7 Engine

The 6-cylinders, turbo charged, 4-cycle charger air-cooled engine is built for power, reliability, and economy. This engine meets TIER 3 emission regulations.



The Definition of Progress

The Quantum System B-Series 6.7-liter engine combines full-authority electronic controls with reliable performance. The QSB6.7 electronics have been used in our high-horsepower products in the harshest, most demanding environments, including dusty, non-stop mining operations, and meet worldwide emissions regulations. The QSB6.7 features 24 valves designed with centered injectors and a symmetrical piston bowl. The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient response, and reduced fuel consumption.



Strong and Stable Lower Frame

The reinforced box-section frame is welded using low-stress, high-strength steel. The X-leg type center frame is integrally welded for maximum strength and durability.



- 1 Reinforced Bucket and Bucket Linkage
Sealed and adjustable bucket linkage produces less wear of pins and bushes and offers silent operation.
- 2 Dial-Type Engine Speed Switch
- 3 Power Boost Control System



Rearview Camera (Optional)



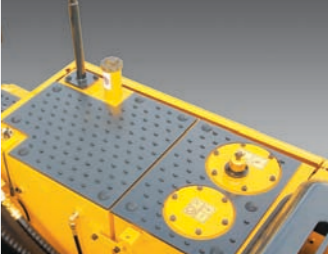
Safety Lever



Master Switch



Anti Restart System



Anti-Slip Plates

Newly Designed Hydraulic System

Powerful and precise swing control

Advanced CAPO System

The advanced CAPO (Computer Aided Power Optimization) system tunes engine and pump power to optimum levels. Multiple mode selections are available for various work loads, maintaining high performance while reducing fuel consumption. Features include auto deceleration and power boost. The system monitors engine speed, coolant and hydraulic oil temperature. Contained within the system are self-diagnostic capabilities which display error codes on the monitor.

New larger display (7inch Wide LCD)

The instrument Panel is installed in front of RH console box, making it easy to check all critical systems via easy-to-read indicators.



Multi Function Wide Color LCD Monitor



Intelligent main screen lay-out (2 layer)



- 1 Power Modes: P-Max Power/S-Standard Power/E-Economy Power
- 2 Work Modes: Digger/Breaker/Crusher
- 3 User Mode: Saved Operator-Preferred Power Settings
- 4 Self-Diagnostics System
- 5 Maintenance List & Security Password
- 6 Rearview camera (Optional)

- Caution Light
- 1 Engine Water Temperature Gauge
- 2 Fuel Gauge
- 3 Hyd. Oil Temperature Gauge
- 4 RPM/Tripmeter Display Window
- 5 Accel. Dial Gauge Bar
- Select Power Button Window
- Select Work Button Window
- Select Attachment Mode Window
- Notice Light
- Select Travel Window
- Select Auto Idle Window



Optimum Hydraulic Performance

The pump output capacity has been increased.

Auto Deceleration System

When the remote-control valves are in the neutral position for more than 4 seconds, the CPU controller instructs the accel. actuator to reduce engine speed to 1,000rpm. And 60 seconds later, engine speed is reduced to low idle automatically. This decreases fuel consumption and reduces cab noise levels.

Boom & Arm Holding System

The holding valves in the main control valve prevent boom & arm lowering during an extended period in the neutral position.

Boom & Arm Flow Regeneration System

The flow regeneration valve provides smooth and fast operation without cylinder cavitation.

Hydraulically Dampened Travel Pedal

Improved travel controllability & smoother travel has been achieved via shock reducing components.

Pump Flow Control System

When in neutral, the pump flow is minimized to reduce power loss. During operation, maximum pump flow is delivered to the actuator to increase speed. Movement of the control lever automatically adjusts pump flow, with cylinder speed controlled proportionally.

Power Boost Control System

In power mode, the digging force increases about 10%.

One-Touch Decel. System

When the one-touch decel. switch is engaged, the CPU controller limits the accel. actuator to an 800rpm idle. When the one-touch decel. Switch is disengaged, the engine speed recovers to its preset rpm.

Self-Diagnostics System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays the corresponding displayed on the cluster LCD monitor error codes.

The information via this device, including engine rpm, main pump delivery pressure, battery voltage, hydraulic temperature and the status of electric switches, allows the operator to know the exact operating conditions of the machine.

This makes it easier to troubleshoot any problems that occur.

Attachment Flow Control System

Attachment mode provides adequate hydraulic pump flow to each work tool, preventing excess flow and ensuring the regular performance.



Automatic Engine Overheat Prevention



Automatic Warm-Up System

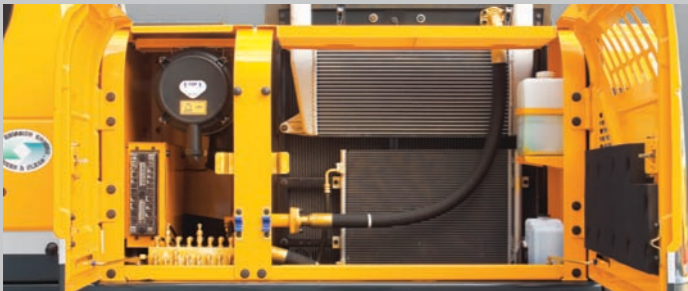
Reliability & Maintenance

Lubrication Fittings

All lube fittings are centralized and in close proximity to each other for easy service.

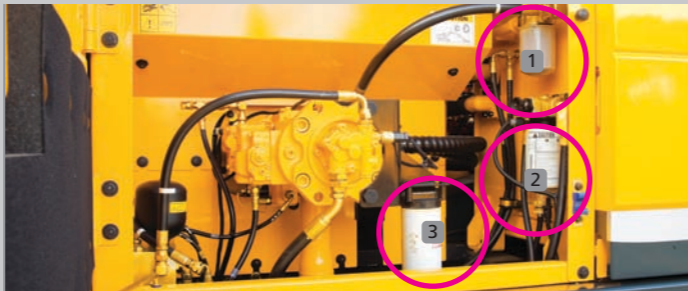
Easy to Maintain Engine Components

The cooling and pre-heating systems are designed for optimal and immediate operation, guaranteeing longer engine and hydraulic components life. Servicing the engine and the hydraulics has been considerably simplified due to accessibility.



Side Cover with Left & Right Swing Open Type

Unrestricted access to vital components allows easy maintenance and repair.



Filter with Extended Exchange Interval (1,000hr)

- 1 Drain Filter
- 2 Fuel Pre-Filter
- 3 Engine Oil Filter



*Photo may include optional equipment.



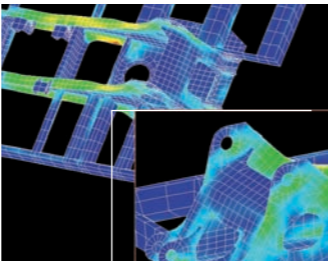
Easy to Access Electric Box



Easy to Change Air Cleaner Assembly



Large Compartment for Extra Storage (Fuel filler pump: Optional)



Structure Durability Proven via FEM Analysis and Long-Term Durability Tests.

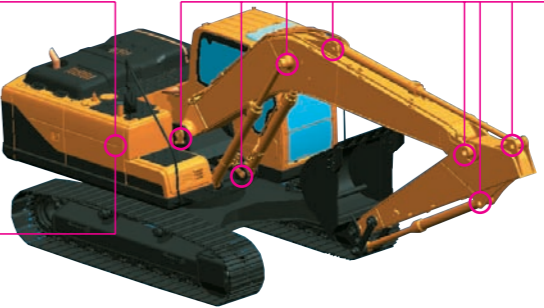
Extended Hydraulic Filter Life

Filters with extended exchange intervals (250hr → 1,000 hr, Fiber glass)

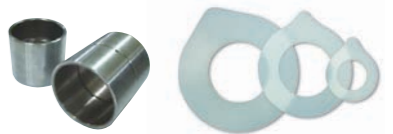


Extended Hydraulic Oil Life

(2,000hr → 5,000 hr, Increase Protection From Oxidization & Heat)



Extended Lubricant Bush Life & Ultra High Molecular Weight Polymer Shim (Wear Resistant & Noise Reducing)



Specifications

ENGINE

| | | | |
|----------------------------|--|----------------|----------------------------|
| MODEL | Cummins Q5B6.7 | | |
| Type | Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission | | |
| Rated flywheel horse power | SAE | J1995(gross) | 195 HP (146 kW)/ 1,900 rpm |
| | | J1349 (net) | 183 HP (137 kW)/ 1,900 rpm |
| horse power | DIN | 6271/1 (gross) | 198 PS (146 kW)/ 1,900 rpm |
| | | 6271/1 (net) | 186 PS (137 kW)/ 1,900 rpm |
| Max. torque | 95.0 kgf-m(687 lbf-ft)/ 1,400 rpm | | |
| Bore X stroke | 107 x 124 mm (4.2" x 4.9") | | |
| Piston displacement | 6,700cc (409 in ³) | | |
| Batteries | 2 X 12V X 100AH | | |
| Starting motor | 24V, 4.5kW | | |
| Alternator | 24V, 50Amp | | |

HYDRAULIC SYSTEM

| | |
|----------------------------|--|
| MAIN PUMP | |
| Type | Variable displacement tandem-axis piston pumps |
| Max. flow | 2 X 222 L/min (58.6 US gpm / 48.8 UK gpm) |
| Sub-pump for pilot circuit | Gear pump |

Cross-sensing and fuel saving pump system

| | |
|------------------|--|
| HYDRAULIC MOTORS | |
| Travel | Two-speed axial pistons motor with brake valve and parking brake |
| Swing | Axial piston motor with automatic brake |

| | |
|---------------------------------|-------------------------------------|
| RELIEF VALVE SETTING | |
| Implement circuits | 350 kgf/cm ² (4,978 psi) |
| Travel | 330 kgf/cm ² (4,690 psi) |
| Power boost (boom, arm, bucket) | 380 kgf/cm ² (5,404 psi) |
| Swing circuit | 275 kgf/cm ² (3,910 psi) |
| Pilot circuit | 40 kgf/cm ² (568 psi) |
| Service valve | Installed |

| | |
|-------------------------------|---|
| HYDRAULIC CYLINDERS | |
| No. of cylinder bore X stroke | Boom: 2-135 X 1,345 mm (5.3" X 52.9") |
| | Arm: 1-145 X 1,620 mm (5.7" X 63.8") |
| | Bucket: 1-130 X 1,185 mm (5.1" X 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 | 21,600 kgf (47,600 lbf) |
| Max. travel speed (high / low) | 5.3 km/hr (3.3 mph) / 3.3 km/hr (2.0 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 |
| Lights | Two lights mounted on the boom, one light mounted on the battery box |

SWING SYSTEM

| | |
|---------------------------|--|
| Swing motor | Two fixed displacement axial pistons motor |
| Swing reduction | Planetary gear reduction |
| Swing bearing lubrication | Grease-bathed |
| Swing brake | Multi wet disc |
| Swing speed | 12.0 rpm |

COOLANT & LUBRICANT CAPACITY

| | | | |
|-----------------------------------|-------|--------|--------|
| Re-filling | liter | US gal | UK gal |
| Fuel tank | 400 | 105.7 | 88.0 |
| Engine coolant | 35 | 9.2 | 7.7 |
| Engine oil | 24 | 6.3 | 5.3 |
| Swing device | 6 | 1.6 | 1.3 |
| Final drive (each) | 3.3 | 0.87 | 0.73 |
| Hydraulic system (including tank) | 285 | 75.3 | 62.7 |
| Hydraulic tank | 165 | 43.6 | 36.3 |

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

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

OPERATING WEIGHT (APPROXIMATE)


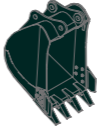
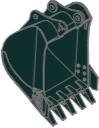


Operating weight, including 5,850mm (19' 2") boom, 3,050mm (10' 0") arm, SAE heaped 1.08m³ (1.41 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

| | |
|----------------------------|----------------------|
| MAJOR COMPONENT WEIGHT | |
| Upperstructure | 5,520 kg (12,170 lb) |
| Counterweight | 4,600 kg (10,140 lb) |
| Boom (with arm cylinder) | 2,460 kg (5,420 lb) |
| Arm (with bucket cylinder) | 1,540 kg (3,400 lb) |

| | | | | |
|------------------|---------------|------------------|----------------|---------------------------|
| OPERATING WEIGHT | | | | |
| Shoes | | Operating weight | | Ground pressure |
| Type | Width mm (in) | kg (lb) | | kgf/cm ² (psi) |
| Triple grouser | 600 mm (24") | R250LC-9 | 25,200(55,600) | 0.51(7.25) |
| | | R250LC-9 H/W | 27,450(60,520) | 0.53(7.54) |
| | 700 mm (28") | R250LC-9 | 25,500(56,200) | 0.44(6.26) |
| | | R250LC-9 H/W | 28,020(61,770) | 0.46(6.54) |
| | 800 mm (32") | R250LC-9 | 25,800(56,900) | 0.39(5.55) |
| | | R250LC-9 H/W | 28,400(62,610) | 0.41(5.83) |
| 900 mm (36") | R250LC-9 | 26,100(57,500) | 0.35(4.98) | |
| Double grouser | 700 mm (28") | R250LC-9 H/W | 29,650(65,370) | 0.49(6.97) |

BUCKETS

All buckets are welded with high-strength steel.

| | | | | | | | | |
|--|---|---|---|---|---|-------------------|--------------------|---------------------|
| |  |  |  |  |  | | | |
| SAE heaped m ³ (yd ³) | 0.60 (0.78) 0.79 (1.03) | 1.03 (1.35) | 1.08 (1,41) 1.50 (1,96) | ◆ 1.07(1.40) ◆ 1.27(1.66) ◆ 1.15(1.50) ◆ 1.46(1.91) | ● 1.16 (1.52) ● 1.27 (1.66) | | | |
| Capacity m ³ (yd ³) | Width mm (in) | | Weight kg (lb) | Recommendation mm (ft-in) | | | | |
| SAE heaped | CECE heaped | Without side cutters | | With side cutters | 5,850 (19' 2") Boom | | | |
| 0.60 (0.78) | 0.55 (0.72) | 760 (29.9) | 880 (34.6) | 720 (1,590) | 2,100 (6' 11") Arm | 2,500 (8' 2") Arm | 3,050 (10' 0") Arm | 3,600 (11' 10") Arm |
| 0.79 (1.03) | 0.70 (0.92) | 890 (35.0) | 1,010 (39.8) | 790 (1,740) | ● | ● | ● | ● |
| 1.03 (1.35) | 0.90 (1.18) | 1090 (42.9) | 1,210 (47.6) | 890 (1,960) | ● | ● | ● | ■ |
| 1.08 (1.41) | 0.95 (1.24) | 1,130 (44.5) | 1,250 (49.2) | 910 (2,000) | ● | ● | ■ | ▲ |
| 1.50 (1.96) | 1.30 (1.70) | 1,490 (58.7) | 1,610 (63.4) | 1,080 (2,380) | ● | ■ | ▲ | - |
| ◆ 1.07 (1.40) | 0.95 (1.24) | 1,150 (45.3) | - | 1,120 (2,470) | ● | ● | ■ | ▲ |
| ◆ 1.15 (1.50) | 1.00 (1.31) | 1,210 (47.6) | - | 1,160 (2,560) | ● | ● | ■ | ▲ |
| ◆ 1.27 (1.66) | 1.10 (1.44) | 1,310 (51.6) | - | 1,240 (2,730) | ● | ■ | ▲ | - |
| ◆ 1.46 (1.91) | 1.28 (1.67) | 1,460 (57.5) | - | 1,320 (2,910) | ■ | ▲ | ▲ | - |
| ● 1.16 (1.52) | 1.00 (1.31) | 1,340 (52.8) | - | 1,280 (2,820) | ● | ■ | ▲ | - |
| ● 1.27 (1.66) | 1.10 (1.44) | 1,290 (50.8) | 1,410 (55.5) | 1,010 (2,230) | ● | ■ | ▲ | ▲ |

◆ Heavy duty bucket

● Rock-Heavy duty bucket

● : Applicable for materials with density of 2,000 kg /m³ (3,370 lb/ yd³) or less

■ : Applicable for materials with density of 1,600 kg /m³ (2,700 lb/ yd³) or less

▲ : Applicable for materials with density of 1,100 kg /m³ (1,850 lb/ yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.85m Boom and 2.1m, 2.5m, 3.05m & 3.6m Arms are available.

DIGGING FORCE

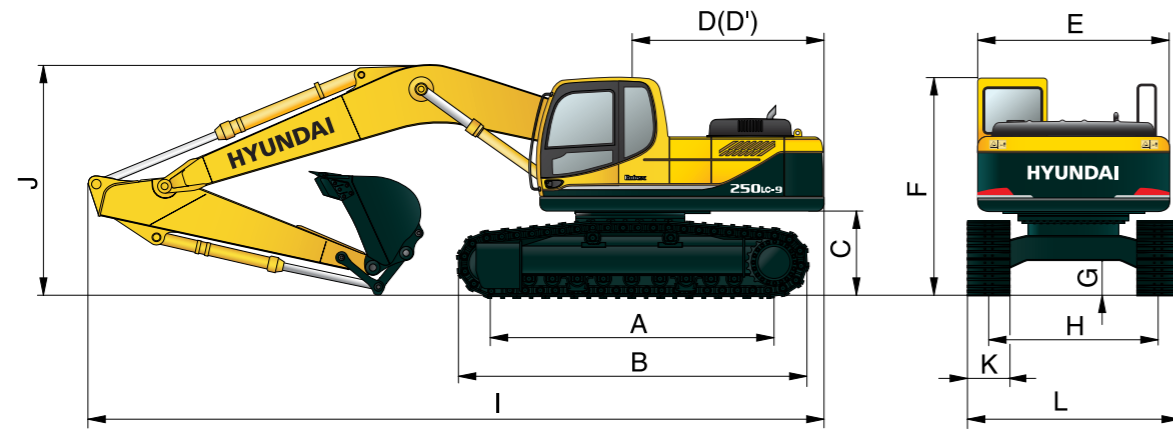
| | | | | | | | |
|----------------------|--------|-----------|----------------|---------------|----------------|-----------------|------------------|
| Boom | Length | mm(ft-in) | 5,850 (19' 2") | | | | Remark |
| | Weight | kg(lb) | 2,280 (5,030) | | | | |
| Arm | Length | mm(ft-in) | 2,100 (6' 11") | 2,500 (8' 2") | 3,050 (10' 0") | 3,600 (11' 10") | Power Boost |
| | Weight | kg(lb) | 1,420 (3,130) | 1,450 (3,200) | 1,540 (3,400) | 1,600 (3,530) | |
| Bucket digging force | SAE | kN | 154 [167.2] | 154 [167.2] | 154 [167.2] | 154 [167.2] | []: Power Boost |
| | | kgf | 15700 [17080] | 15700 [17080] | 15700 [17080] | 15700 [17080] | |
| | | lbf | 34610 [37580] | 34610 [37580] | 34610 [37580] | 34610 [37580] | |
| | ISO | kN | 175.5 [190.6] | 175.5 [190.6] | 175.5 [190.6] | 175.5 [190.6] | |
| | | kgf | 17900 [19430] | 17900 [19430] | 17900 [19430] | 17900 [19430] | |
| | | lbf | 39460 [42840] | 39460 [42840] | 39460 [42840] | 39460 [42840] | |
| Arm crowd force | SAE | kN | 134.4 [145.9] | 128.5 [139.5] | 114.7 [124.6] | 103.0 [111.8] | []: Power Boost |
| | | kgf | 13700 [14870] | 13100 [14220] | 11700 [12700] | 10500 [11400] | |
| | | lbf | 30200 [32790] | 28880 [31360] | 25790 [28000] | 23150 [25130] | |
| | ISO | kN | 139.3 [151.2] | 133.4 [144.8] | 118.7 [128.8] | 106.9 [116.1] | |
| | | kgf | 14200 [15420] | 13600 [14770] | 12100 [13100] | 10900 [11830] | |
| | | lbf | 31310 [33990] | 29980 [32550] | 26680 [28970] | 24030 [26090] | |

Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Range

R250LC-9 / R250NLC-9 DIMENSIONS

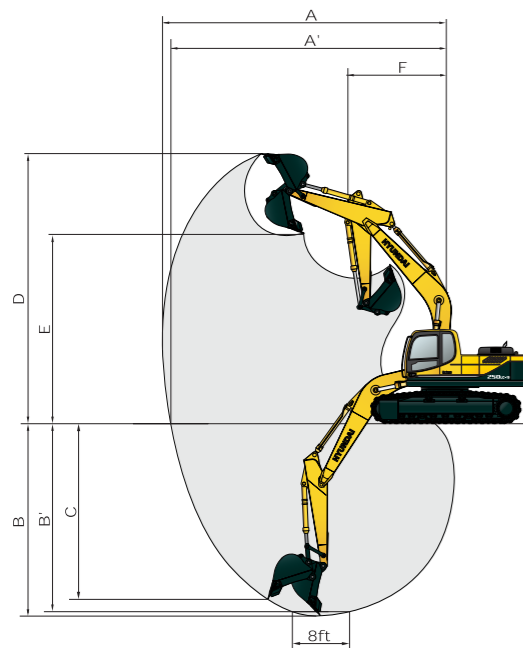


Unit : mm (ft · in)

| | | | | | | |
|--|-----------|----------------|---|--|--|--|
| A Tumbler distance | R250LC-9 | 3,830 (12' 7") | Boom length 5,850 (19' 2") | | | |
| | R250NLC-9 | 3,830 (12' 7") | | | | |
| B Overall length of crawler | | 4,640 (15' 3") | Arm length 2,100 (6' 11") 2,500 (8' 2") 3,050 (10' 0") 3,600 (11' 10") | | | |
| C Ground clearance of counterweight | | 1,115 (3' 8") | I Overall length 10,050 (33' 0") 10,000 (32' 10") 9,920 (32' 7") 9,910 (32' 6") | | | |
| D Tail swing radius | | 2,975 (9' 9") | J Overall height of boom 3,530 (11' 7") 3,590 (11' 9") 3,220 (10' 7") 3,590 (11' 9") | | | |
| D' Rear-end length | | 2,870 (9' 5") | K Track shoe width 600 (24") 700 (28") 800 (32") 900 (36") | | | |
| E Overall width of upperstructure | | 2,840 (9' 4") | L Overall width R250LC-9 3,180 (10' 5") 3,280 (10' 9") 3,380 (11' 1") 3,480 (11' 5") | | | |
| F Overall height of cab | | 2,990 (9' 10") | R250NLC-9 2,980 (9' 9") - - - | | | |
| G Min. ground clearance | | 480 (1' 7") | | | | |
| H Track gauge | R250LC-9 | 2,580 (8' 6") | | | | |
| | R250NLC-9 | 2,380 (7' 10") | | | | |

R250LC-9 / R250NLC-9 WORKING RANGE

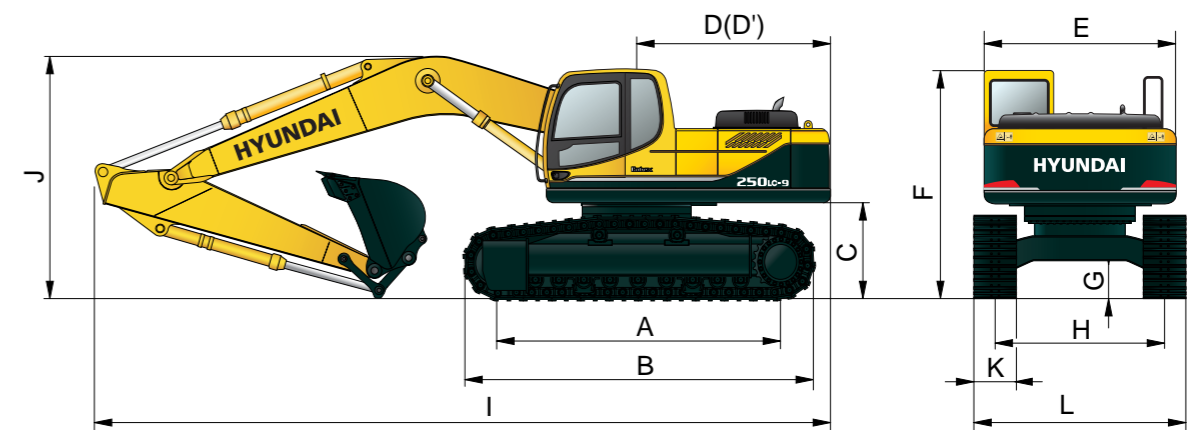
Unit : mm (ft · in)



| | | | | |
|---|-----------------|----------------|-----------------|-----------------|
| Boom length | 5,850 (19' 2") | | | |
| Arm length | 2,100 (6' 11") | 2,500 (8' 2") | 3,050 (10' 0") | 3,600 (11' 10") |
| A Max. digging reach | 9,550 (31' 4") | 9,870 (32' 5") | 10,360 (34' 0") | 10,870 (35' 8") |
| A' Max. digging reach on ground | 9,360 (30' 9") | 9,680 (31' 9") | 10,190 (33' 5") | 10,700 (35' 1") |
| B Max. digging depth | 6,050 (19' 10") | 6,450 (21' 2") | 7,000 (23' 0") | 7,550 (24' 9") |
| B' Max. digging depth (8° level) | 5,840 (19' 2") | 6,260 (20' 6") | 6,830 (22' 5") | 7,400 (24' 3") |
| C Max. vertical wall digging depth | 5,480 (18' 0") | 5,640 (18' 6") | 6,150 (20' 2") | 6,830 (22' 5") |
| D Max. digging height | 9,450 (31' 0") | 9,460 (31' 0") | 9,670 (31' 9") | 9,920 (32' 7") |
| E Max. dumping height | 6,360 (20' 10") | 6,420 (21' 1") | 6,630 (21' 9") | 6,860 (22' 6") |
| F Min. swing radius | 4,420 (14' 6") | 4,200 (13' 9") | 3,980 (13' 1") | 3,900 (12' 10") |

Dimensions & Working Range

R250LC-9 HIGH WALKER DIMENSIONS

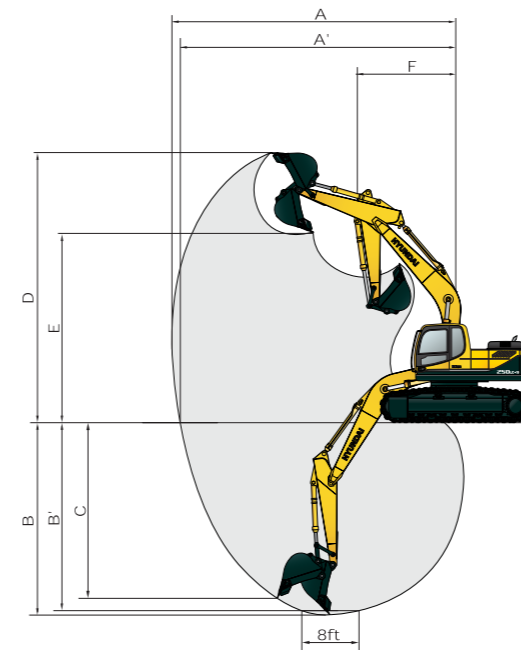


Unit : mm (ft · in)

| | | | | | |
|--|----------------|---|--|--|--|
| A Tumbler distance | 4,030 (13' 3") | Boom length 5,850 (19' 2") | | | |
| B Overall length of crawler | 4,940 (16' 2") | | | | |
| C Ground clearance of counterweight | 1,470 (4' 10") | Arm length 2,100 (6' 11") 2,500 (8' 2") 3,050 (10' 0") 3,600 (11' 10") | | | |
| D Tail swing radius | 2,975 (9' 9") | I Overall length 10,060 (33' 0") 9,970 (32' 9") 9,760 (32' 0") 9,930 (32' 7") | | | |
| D' Rear-end length | 2,870 (9' 5") | J Overall height of boom 3,610 (11' 10") 3,750 (12' 4") 3,240 (10' 8") 3,620 (11' 11") | | | |
| E Overall width of upperstructure | 2,840 (9' 4") | K Track shoe width Type Triple grouser Double grouser | | | |
| F Overall height of cab | 3,345 (11' 0") | Width 600 (24") 700 (28") 800 (32") 700 (28") | | | |
| G Min. ground clearance | 765 (2' 6") | L Overall width 3,390 (11' 1") 3,490 (11' 5") 3,590 (11' 9") 3,490 (11' 5") | | | |
| H Track gauge | 2,790 (9' 2") | | | | |

R250LC-9 HIGH WALKER WORKING RANGE

Unit : mm (ft · in)



| | | | | |
|---|-----------------|-----------------|------------------|------------------|
| Boom length | 5,850 (19' 2") | | | |
| Arm length | 2,100 (6' 11") | 2,500 (8' 2") | 3,050 (10' 0") | 3,600 (11' 10") |
| A Max. digging reach | 9,550 (31' 4") | 9,870 (32' 5") | 10,360 (34' 0") | 10,870 (35' 8") |
| A' Max. digging reach on ground | 9,280 (30' 5") | 9,160 (31' 6") | 10,110 (33' 2") | 10,360 (34' 11") |
| B Max. digging depth | 5,680 (18' 8") | 6,080 (19' 11") | 6,630 (21' 9") | 7,180 (23' 7") |
| B' Max. digging depth (8° level) | 5,470 (17' 11") | 5,890 (19' 4") | 6,460 (21' 2") | 7,030 (23' 1") |
| C Max. vertical wall digging depth | 5,120 (16' 10") | 5,300 (17' 5") | 5,790 (19' 0") | 6,470 (21' 3") |
| D Max. digging height | 9,820 (32' 3") | 9,840 (32' 3") | 10,040 (32' 11") | 10,280 (33' 9") |
| E Max. dumping height | 6,730 (22' 1") | 6,790 (22' 3") | 7,000 (23' 0") | 7,220 (23' 8") |
| F Min. swing radius | 4,140 (13' 7") | 4,030 (13' 3") | 3,940 (12' 11") | 3,900 (12' 10") |

Lifting Capacity

R250NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 5.85m (19' 2") / Arm : 3.05 m (10' 0") / Bucket : 1.08 m³ (1.41 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 4,600kg (10,140 lb) Counterweight

| Load point height m(ft) | Load radius | | | | | | | | | | At max. reach | | | |
|-------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|---------------|----------|--------|--------|
| | 1.5 m (5.0ft) | | 3.0 m (10.0ft) | | 4.5 m (15.0ft) | | 6.0 m (20.0ft) | | 7.5 m (25.0ft) | | Capacity | | Reach | |
| | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Capacity | Capacity | m (ft) | |
| 6.0 m (20.0 ft) | kg | | | | | | | | *3700 | 3570 | 4380 | 2370 | 9.22 | |
| | lb | | | | | | | | *8160 | 7870 | 9660 | 5220 | (30.2) | |
| 4.5 m (15.0 ft) | kg | | | | | | *5350 | 5230 | *5060 | 3440 | 3860 | 2020 | 9.74 | |
| | lb | | | | | | *11790 | 11530 | *11160 | 7580 | 8510 | 4450 | (32.0) | |
| 3.0 m (10.0 ft) | kg | | *13640 | *13640 | *8400 | 7780 | *6540 | 4830 | *5660 | 3240 | 3610 | 1840 | 9.98 | |
| | lb | | *30070 | *30070 | *18520 | 17150 | *14420 | 10650 | *12480 | 7140 | 7960 | 4060 | (32.7) | |
| 1.5 m (5.0 ft) | kg | | *9450 | *9450 | *10870 | 6940 | *7820 | 4420 | 5720 | 3030 | 3560 | 1790 | 9.95 | |
| | lb | | *20830 | *20830 | *23960 | 15300 | *17240 | 9740 | 12610 | 6680 | 7850 | 3950 | (32.6) | |
| Ground | kg | | *10570 | *10570 | *12490 | 6430 | 7980 | 4120 | 5530 | 2850 | 3710 | 1860 | 9.65 | |
| Line | lb | | *23300 | *23300 | *27540 | 14180 | 17590 | 9080 | 12190 | 6280 | 8180 | 4100 | (31.7) | |
| -1.5 m (-5.0 ft) | kg | *9940 | *9940 | *13870 | 12620 | 12870 | 6250 | 7790 | 3960 | 5430 | 2760 | 4130 | 2100 | 9.05 |
| | lb | *21910 | *21910 | *30580 | 27820 | 28370 | 13780 | 17170 | 8730 | 11970 | 6080 | 9110 | 4630 | (29.7) |
| -3.0 m (-10.0 ft) | kg | *13540 | *13540 | *18430 | 12840 | *12780 | 6270 | 7780 | 3950 | | 5060 | 2640 | 8.06 | |
| | lb | *29850 | *29850 | *40630 | 28310 | *28180 | 13820 | 17150 | 8710 | | 11160 | 5820 | (26.4) | |
| -4.5 m (-15.0 ft) | kg | *17830 | *17830 | *16580 | 13290 | *11360 | 6490 | 7980 | 4120 | | *5940 | 4010 | 6.48 | |
| | lb | *39310 | *39310 | *36550 | 29300 | *25040 | 14310 | 17590 | 9080 | | *13100 | 8840 | (21.3) | |

Boom : 5.85m (19' 2") / Arm : 3.60 m (11' 10") / Bucket : 1.08 m³ (1.41 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 4,600kg (10,140 lb) Counterweight

| Load point height m(ft) | Load radius | | | | | | | | | | At max. reach | | | | |
|-------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|----------|----------|--------|
| | 1.5 m (5.0ft) | | 3.0 m (10.0ft) | | 4.5 m (15.0ft) | | 6.0 m (20.0ft) | | 7.5 m (25.0ft) | | 9.0 m (30.0ft) | | Capacity | | Reach |
| | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Capacity | Capacity | m (ft) |
| 6.0 m (20.0 ft) | kg | | | | | | | | *3930 | 3660 | | | 3940 | 2090 | 9.77 |
| | lb | | | | | | | | *8660 | 8070 | | | 8690 | 4610 | (32.1) |
| 4.5 m (15.0 ft) | kg | | | | | | | | *4530 | 3510 | *2500 | 2350 | 3510 | 1790 | 10.27 |
| | lb | | | | | | | | *9990 | 7740 | *5510 | 5180 | 7740 | 3950 | (33.7) |
| 3.0 m (10.0 ft) | kg | | | | | | *5890 | 4940 | *5190 | 3290 | *3590 | 2250 | 3290 | 1630 | 10.49 |
| | lb | | | | | | *12990 | 10890 | *11440 | 7250 | *7910 | 4960 | 7250 | 3590 | (34.4) |
| 1.5 m (5.0 ft) | kg | | *12610 | *12610 | *9960 | 7160 | *7260 | 4510 | 5760 | 3060 | 4180 | 2130 | 3240 | 1580 | 10.46 |
| | lb | | *27800 | *27800 | *21960 | 15790 | *16010 | 9940 | 12700 | 6750 | 9220 | 4700 | 7140 | 3480 | (34.3) |
| Ground | kg | | *11020 | *11020 | *11930 | 6540 | 8030 | 4160 | 5540 | 2860 | 4070 | 2030 | 3360 | 1640 | 10.18 |
| Line | lb | | *24290 | *24290 | *26300 | 14420 | 17700 | 9170 | 12210 | 6310 | 8970 | 4480 | 7410 | 3620 | (33.4) |
| -1.5 m (-5.0 ft) | kg | *9010 | *9010 | *13200 | 12560 | 12890 | 6250 | 7790 | 3950 | 5400 | 2730 | | 3690 | 1830 | 9.62 |
| | lb | *19860 | *19860 | *29100 | 27690 | 28420 | 13780 | 17170 | 8710 | 11900 | 6020 | | 8140 | 4030 | (31.6) |
| -3.0 m (-10.0 ft) | kg | *12120 | *12120 | *16820 | 12660 | 12820 | 6190 | 7710 | 3880 | 5370 | 2700 | | 4390 | 2240 | 8.71 |
| | lb | *26720 | *26720 | *37080 | 27910 | 28260 | 13650 | 17000 | 8550 | 11840 | 5950 | | 9680 | 4940 | (28.6) |
| -4.5 m (-15.0 ft) | kg | *15830 | *15830 | *17940 | 13010 | *12020 | 6330 | 7820 | 3970 | | | | *5790 | 3190 | 7.30 |
| | lb | *34900 | *34900 | *39550 | 28680 | *26500 | 13960 | 17240 | 8750 | | | | *12760 | 7030 | (24.0) |

R250LC-9 HIGH WALKER

Rating over-front Rating over-side or 360 degree

Boom : 5.85m (19' 2") / Arm : 2.10 m (6' 11") / Bucket : 1.08 m³ (1.41 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 4,600kg (10,140 lb) Counterweight

| Load point height m(ft) | Load radius | | | | | | | | At max. reach | | | |
|-------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|---------------|----------|--------|--------|
| | 3.0 m (10.0ft) | | 4.5 m (15.0ft) | | 6.0 m (20.0ft) | | 7.5 m (25.0ft) | | Capacity | | Reach | |
| | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Capacity | Capacity | m (ft) | |
| 6.0 m (20.0 ft) | kg | | | | | *5910 | *5910 | | | *5290 | 3780 | 8.49 |
| | lb | | | | | *13030 | *13030 | | | *11660 | 8330 | (27.9) |
| 4.5 m (15.0 ft) | kg | | *8350 | *8350 | *6750 | 6680 | *6080 | 4530 | | 5310 | 3310 | 9.00 |
| | lb | | *18410 | *18410 | *14880 | 14730 | *13400 | 9990 | | 11710 | 7300 | (29.5) |
| 3.0 m (10.0 ft) | kg | | *10830 | 9880 | *7870 | 6290 | *6580 | 4370 | | 5040 | 3110 | 9.19 |
| | lb | | *23880 | 21780 | *17350 | 13870 | *14510 | 9630 | | 11110 | 6860 | (30.2) |
| 1.5 m (5.0 ft) | kg | | *12610 | 9280 | *8890 | 5970 | 6840 | 4210 | | 5080 | 3120 | 9.09 |
| | lb | | *27800 | 20460 | *19600 | 13160 | 15080 | 9280 | | 11200 | 6880 | (29.8) |
| Ground | kg | | *13240 | 9080 | *9480 | 5790 | 6740 | 4120 | | 5450 | 3360 | 8.68 |
| Line | lb | | *29190 | 20020 | *20900 | 12760 | 14860 | 9080 | | 12020 | 7410 | (28.5) |
| -1.5 m (-5.0 ft) | kg | *17510 | *17510 | *12940 | 9100 | *9460 | 5760 | | | *6350 | 3950 | 7.91 |
| | lb | *38600 | *38600 | *28530 | 20060 | *20860 | 12700 | | | *14000 | 8710 | (26.0) |
| -3.0 m (-10.0 ft) | kg | *16440 | *16440 | *11670 | 9310 | *8440 | 5920 | | | *6190 | 5420 | 6.61 |
| | lb | *36240 | *36240 | *25730 | 20530 | *18610 | 13050 | | | *13650 | 11950 | (21.7) |

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R250LC-9 HIGH WALKER

Rating over-front Rating over-side or 360 degree

Boom : 5.85m (19' 2") / Arm : 2.50 m (8' 2") / Bucket : 1.08 m³ (1.41 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 4,600kg (10,140 lb) Counterweight

| Load point height m(ft) | Load radius | | | | | | | | | | At max. reach | | | | | | | |
|-------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|---------------|----------|--------|--------|--------|--------|-------|--------|
| | 1.5 m (5.0ft) | | 3.0 m (10.0ft) | | 4.5 m (15.0ft) | | 6.0 m (20.0ft) | | 7.5 m (25.0ft) | | Capacity | | Reach | | | | | |
| | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Capacity | Capacity | m (ft) | | | | | |
| 6.0 m (20.0 ft) | kg | | | | | | | | | *5440 | *5440 | | *4950 | 3560 | 8.83 | | | |
| | lb | | | | | | | | | *11990 | *11990 | | *10910 | 7850 | (29.0) | | | |
| 4.5 m (15.0 ft) | kg | | | | | | | | | *7630 | *7630 | *6320 | *6320 | *5730 | 4600 | 5030 | 3140 | 9.32 |
| | lb | | | | | | | | | *16820 | *16820 | *13930 | *13930 | *12630 | 10140 | 11090 | 6920 | (30.6) |
| 3.0 m (10.0 ft) | kg | | | | | | | | | *10140 | 10080 | *7500 | 6380 | *6300 | 4410 | 4790 | 2950 | 9.50 |
| | lb | | | | | | | | | *22350 | 22220 | *16530 | 14070 | *13890 | 9720 | 10560 | 6500 | (31.2) |
| 1.5 m (5.0 ft) | kg | | | | | | | | | *12180 | 9390 | *8620 | 6020 | 6860 | 4230 | 4810 | 2940 | 9.40 |
| | lb | | | | | | | | | *26850 | 20700 | *19000 | 13270 | 15120 | 9330 | 10600 | 6480 | (30.8) |
| Ground | kg | | | | | | | | | *13120 | 9090 | *9350 | 5800 | 6730 | 4110 | 5120 | 3140 | 9.01 |
| Line | lb | | | | | | | | | *28920 | 20040 | *20610 | 12790 | 14840 | 9060 | 11290 | 6920 | (29.6) |
| -1.5 m (-5.0 ft) | kg | *12120 | *12120 | *16630 | *16630 | *13100 | 9050 | *9510 | 5730 | | | | | | | 5900 | 3640 | 8.28 |
| | lb | *26720 | *26720 | *36660 | *36660 | *28880 | 19950 | *20970 | 12630 | | | | | | | 13010 | 8020 | (27.2) |
| -3.0 m (-10.0 ft) | kg | *17840 | *17840 | *17530 | *17530 | *12140 | 9210 | *8850 | 5830 | | | | | | | *6280 | 4810 | 7.07 |
| | lb | *39330 | *39330 | *38650 | *38650 | *26760 | 20300 | *19510 | 12850 | | | | | | | *13850 | 10600 | (23.2) |
| -4.5 m (-15.0 ft) | kg | | | | | *13700 | *13700 | *9570 | | | | | | | | | | |
| | lb | | | | | *30200 | *30200 | *21100 | | | | | | | | | | |

Boom : 5.85m (19' 2") / Arm : 3.05 m (10' 0") / Bucket : 1.08 m³ (1.41 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 4,600kg (10,140 lb) Counterweight

| Load point height m(ft) | Load radius | | | | | | | | | | At max. reach | | | | | | | | |
|-------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|---------------|----------|--------|--------|--------|-------|--------|------|--------|
| | 1.5 m (5.0ft) | | 3.0 m (10.0ft) | | 4.5 m (15.0ft) | | 6.0 m (20.0ft) | | 7.5 m (25.0ft) | | Capacity | | Reach | | | | | | |
| | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Rating over-front | Rating over-side or 360 degree | Capacity | Capacity | m (ft) | | | | | | |
| 6.0 m (20.0 ft) | kg | | | | | | | | | | | | *4140 | *4140 | *4510 | 3190 | 9.37 | | |
| | lb | | | | | | | | | | | | *9130 | *9130 | *9940 | 7030 | (30.7) | | |
| 4.5 m (15.0 ft) | kg | | | | | | | | | | | | *5610 | *5610 | *5180 | 4650 | 4590 | 2830 | 9.82 |
| | lb | | | | | | | | | | | | *12370 | *12370 | *11420 | 10250 | 10120 | 6240 | (32.2) |
| 3.0 m (10.0 ft) | kg | | | | | *15320 | *15320 | *9030 | *9030 | *6850 | 6450 | *5830 | 4430 | 4370 | 2660</ | | | | |