



Robex 210LC-7A

Standard Equipment

ISO standard cabin

- 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 & Ashtray

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 (7500 Kcal/hr, 30000 BTU/hr)

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
 - 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 USB player

- Remote control switch

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Slidable joystick, pilot-operated

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 (3800kg, 8380lb)

Mono boom (5.68m, 18' 8")

Arm (2.92m, 9' 7")

Track shoes (600mm, 24")

Track rail guard

Optional Equipment

Air-conditioner (5,000 kcal/hr, 20,000 BTU/hr)

FATC (Full Automatic Temperature Control)

Sun visor for cabin inside

Fuel filler pump (35 l/min, 9.5 US gpm)

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

Accumulator, work equipment lowering

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

Electric transducer

Travel alarm

Various optional Arms

- Super short arm (2.00 m, 6' 7")
- Short arm (2.40 m, 7' 10")
- Long arm (3.90 m, 12' 10")

Various optional Buckets (SAE heaped)

- Standard bucket (0.92 m³, 1.20 yd³)
- Narrow bucket (0.51 m³, 0.67 yd³)
- Narrow bucket (0.80 m³, 1.05 yd³)
- Light duty bucket (1.10 m³, 1.44 yd³)
- Light duty bucket (1.20 m³, 1.57 yd³)
- Light duty bucket (1.34 m³, 1.75 yd³)
- Heavy duty bucket (0.74 m³, 0.97 yd³)
- Heavy duty bucket (0.90 m³, 1.18 yd³)
- Heavy duty bucket (1.05 m³, 1.37 yd³)
- Rock-Heavy duty bucket (0.87 m³, 1.14 yd³)
- Rock-Heavy duty bucket (1.20 m³, 1.57 yd³)
- Slope fishing bucket (0.75 m³, 0.98 yd³)

Cabin FOPS/FOG(ISO/DIS 10262)

- FOPS(Falling Object Protective Structure)
- FOG(Falling Object Guard)

Cabin Roof-cover Transparent

Cabin lights

Track shoes

- Triple grousers shoe (700 mm, 28")
- Triple grousers shoe (800 mm, 32")
- Triple grousers shoe (900 mm, 35.4")
- Double grousers shoe (710 mm, 28")

Lower frame under cover

Pre heating system, coolant

Tool kit

Operator suit

Low noise kit

Engine emergency control cable

Seat

- Adjustable air suspension
- Adjustable air suspension seat with heater
- Mechanical suspension seat with heater

Pattern changer (2-Type)



■ Some of the 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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2009. 10. Rev 03

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HEAVY INDUSTRIES CO.,LTD.

Built for Maximum Power, Performance, Reliability.

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

Robex 210LC-7A



■ Some of the photos may include optional equipment.

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

Technology in Cab Design



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 7series 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 Wide, Comfortable Operating Space
2 Steel Cover Sunroof
3 Dial Type Engine Speed Switch and / Key Switch

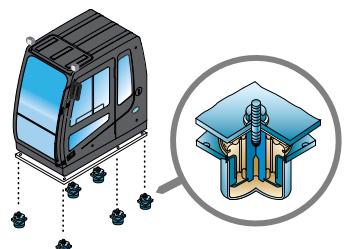


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Improved Intelligent Display

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



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.



Maximum Protection

Operating Environment



▲ Storage box and Cup Holder

An Additional storage box and cup holder are located behind operator's seat, and it keeps food and beverages cool or hot.

◀ 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 4 switches.

- | | |
|-------|---|
| Left | Power boost
One touch deceleration
Dummy
Horn/Optional/Dummy |
| Right | |



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.



Rear Emergency Exit Window

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



Raise-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)



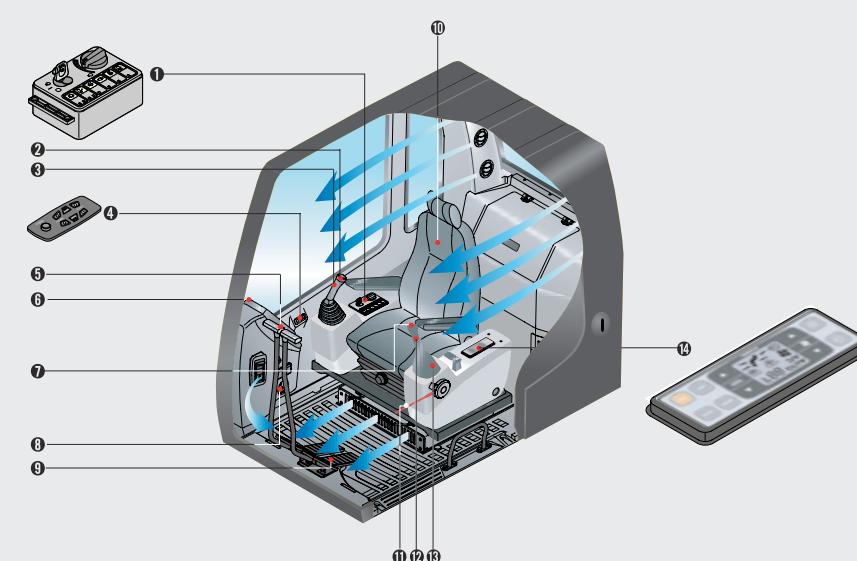
Wide, Comfortable Operating Space

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

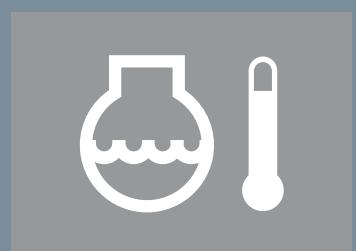
Smooth Travel Pedal and Foot Rests



The best working conditions in a pleasant environment.

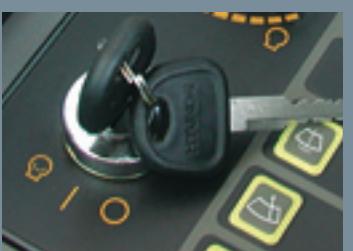


- ① Centralized control panel
- ② Horn button
- ③ Option button
- ④ Remote Radio control
- ⑤ Travel lever
- ⑥ Cluster
- ⑦ One touch decel button
- ⑧ Hour meter
- ⑨ Travel pedal
- ⑩ Fully adjustable suspension seat
- ⑪ Safety lever
- ⑫ Power boost button
- ⑬ Joystick control lever
- ⑭ Air Conditioner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



Automatic Engine Overheat Prevention

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



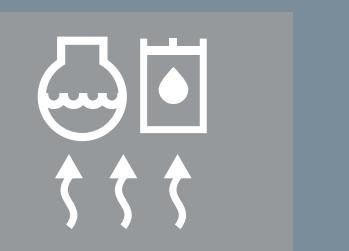
Anti Restart System

The new system protects the starter from re-starting 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.

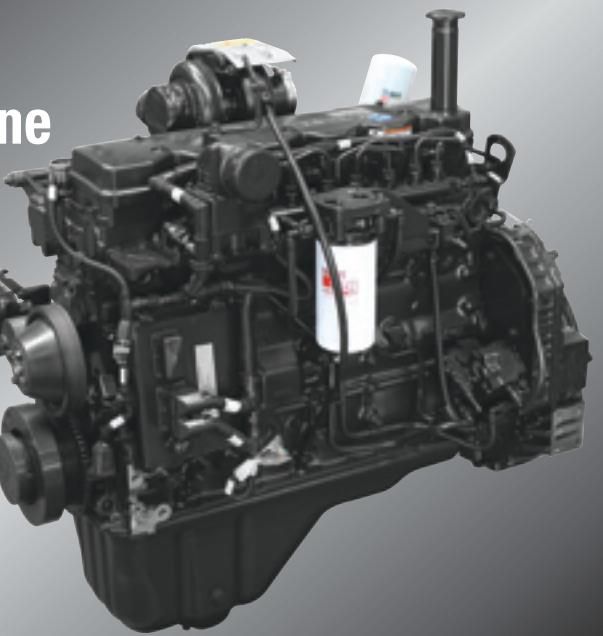


Automatic Warming-up System

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

CUMMINS QSB6.7 Engine

The six cylinder 4 cycle Turbo Charged Engine with Charged Air Cooling, Has High Power output, Reliability, economical, and low emission. This engine meets Tier III emissions regulations.



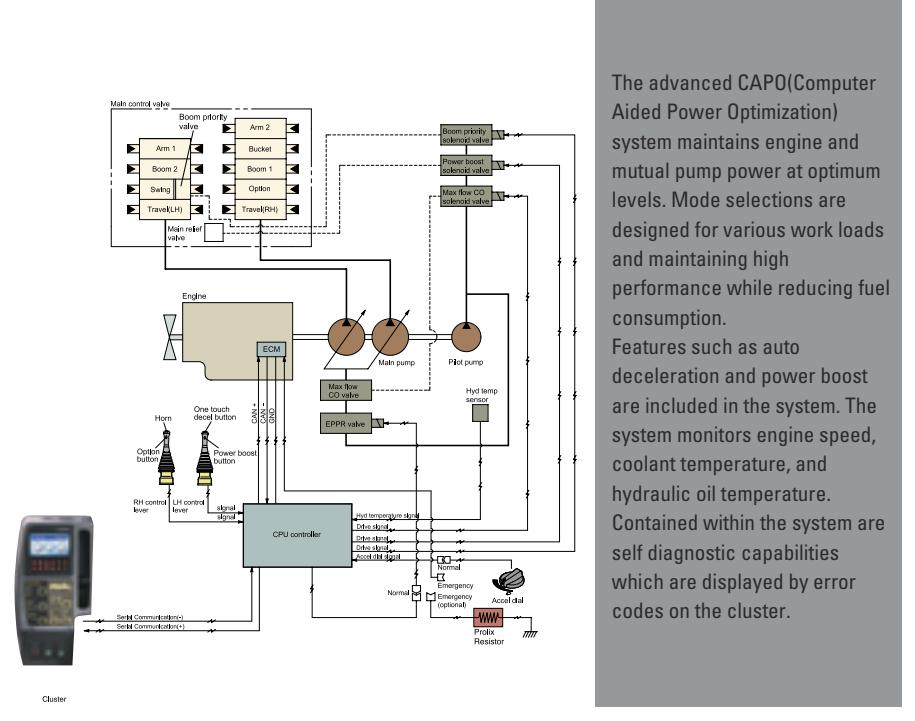
The Definition of Progress

The Quantum System B Series 6.7-liter engine combines full-authority electronic controls with the reliable performance. The electronics with the QSB6.7 have been proven with our high-horsepower products working in the harshest, most demanding environments such as dusty, non-stop mining operations while meeting emissions regulations worldwide.

The QSB6.7 features 24 valve designed with centered injectors and symmetrical piston bowl. The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient response and reduced fuel consumption.

Advanced Hydraulic System

ADVANCED CAPO SYSTEM



Self Diagnosis 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. This makes the machine easier to troubleshoot when anything goes wrong.

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. And then the one touch decel switch is pressed again, the engine speed recovers.

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.

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.

Arm Flow Regeneration System

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

Hydraulic Damper in Travel Pedal

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

NEW MODE CONTROL SYSTEM



1 POWER MODE
H mode: High power S mode: Standard power

2 WORK MODE
Heavy duty work General work Breaker

3 USER MODE
M mode: Maximum Power
U mode : Memorizing Operator's Preferable Power Setting

Auto Deceleration System



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

Max. Flow Cut-off System

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

Increased Higher Performance



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.



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.

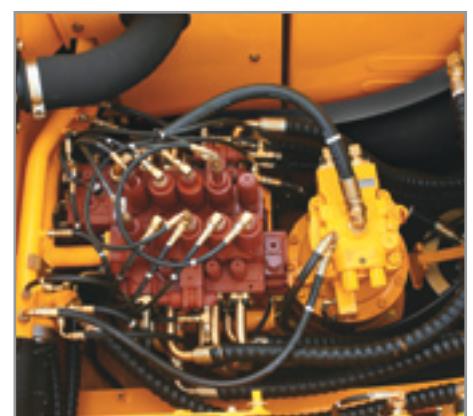


Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs. (Full Track Guide : Option)

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.

Reliability & Serviceability



Side Cover with Left & Right Swing Open Type

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



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.



Centralized Electric Control Box and Easy to Change Air Cleaner Assembly

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



Highly efficient Hydraulic Pump



Large tool box for extra storage



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



■ Some of the photos may include optional equipment.

Specifications



Engine

Model		Cummins QSB6.7	
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, charge air cooled, Low emission	
Rated flywheel horse power	SAE	J1995 (gross)	151HP (113kW) / 1,900rpm
	DIN	J1349 (net)	143HP (107kW) / 1,900rpm
Rated flywheel horse power	SAE	6271/1 (gross)	153PS (113kW) / 1,900rpm
	DIN	6271/1 (net)	145PS (107kW) / 1,900rpm
Max. torque		63.6kgf-m (460lbf-ft) / 1,500rpm	
Bore × stroke		107mm (4.2in) × 124mm(4.9in)	
Piston displacement		6,700cc (409 in³)	
Batteries		2 x 12V × 100AH	
Starting motor		24V, 4.5kw	
Alternator		24V, 50Amp	



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2×222 ℥ /min (58.1 US gpm / 48.4 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/cm² (4,690 psi)
Travel	330 kgf/cm² (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5,120 psi)
Swing circuit	240 kgf/cm² (3,410 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore × stroke	Boom : 2-120×1290 mm (4.7" × 50.8") Arm : 1-140×1510 mm (5.5" × 59.4") Bucket : 1-125×1055 mm (4.9" × 41.5")



Drives & Brakes

Drive method		Fully hydrostatic type
Drive motor		Axial piston motor, in-shoe design
Reduction system	STD/HC	Planetary reduction gear
Max. drawbar pull		21,100 kgf (46,500 lbf)
Max. travel speed(high) / (low)		5.3 km/hr (3.3 mph) / 3.4 km/hr (2.1 mph)
Gradeability		35° (70 %)
Parking brake		Multi wet disc



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 and one in 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 rpm



(refilling)	liter	US gal	UK gal
Fuel tank	340	89.8	74.8
Engine coolant	35	9.2	7.7
Engine oil	24	6.3	5.3
Swing device	5	1.3	1.1
Final drive(each)	STD/HC	5.8	2
Hydraulic system(including tank)		290	76.6
Hydraulic tank		180	47.6

Backhoe attachment



Buckets



Capacity m³ (yd³)	Width mm (in)	Weight kg(lb)	Recommendation				mm(ft.in)
			Boom	Arm	2,000 (6' 7")	2,400 (7' 10")	
0.51(0.67)	700(27.6)	820(32.3)	●	●	●	●	●
0.80(1.05)	1000(39.4)	1120(44.1)	●	●	●	●	●
※ 0.92(1.20)	1150(45.3)	1270(50.0)	●	●	●	●	●
1.10(1.44)	1320(52.0)	1440(56.7)	■	▲	▲	▲	—
1.20(1.57)	1400(55.1)	1520(59.8)	■	▲	—	—	—
1.34(1.75)	1550(61.0)	1670(65.7)	▲	▲	—	—	—
▲ 0.74(0.97)	985(38.8)	770(1700)	●	●	●	●	▲
▲ 0.90(1.18)	1070(42.0)	810(1790)	●	●	■	—	—
▲ 1.05(1.37)	1290(50.8)	890(1960)	■	▲	—	—	—
● 0.87(1.14)	1140(44.9)	900(1980)	●	●	■	—	—
● 1.20(1.57)	1410(55.5)	1030(2270)	■	▲	—	—	—
★ 0.75(0.98)	1790(70.5)	880(1940)	●	■	■	—	—

※ : Standard backhoe bucket

▲ : Heavy-duty

● : Rock-Havy duty bucket

★ : Slope finishing bucket

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

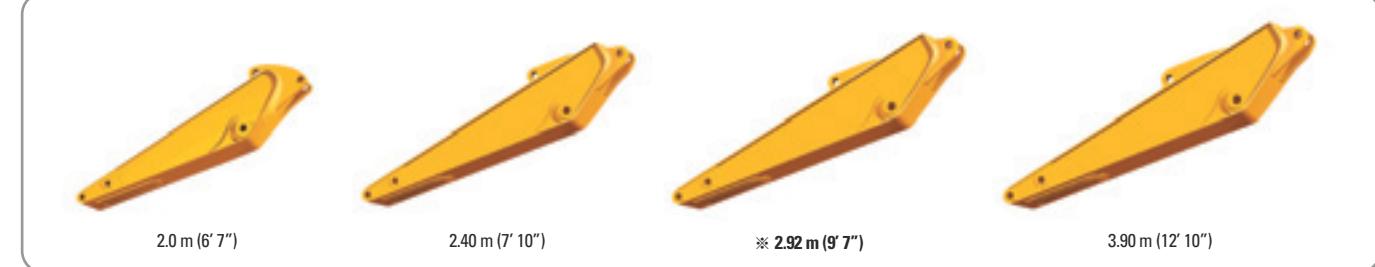
■ : Applicable for materials with density of 1,600 kg / m³ (2,700 lb/yd³) or less

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



Backhoe attachment

Boom and arms are of all-welded, low-stress, full-box section design. 5.68m(18' 8") mono boom and 2.0m(6' 7"), 2.4m (7' 10"), 2.92m (9' 7"), 3.9m (12' 10") arm are available. Buckets are all-welded, high-strength steel implements.

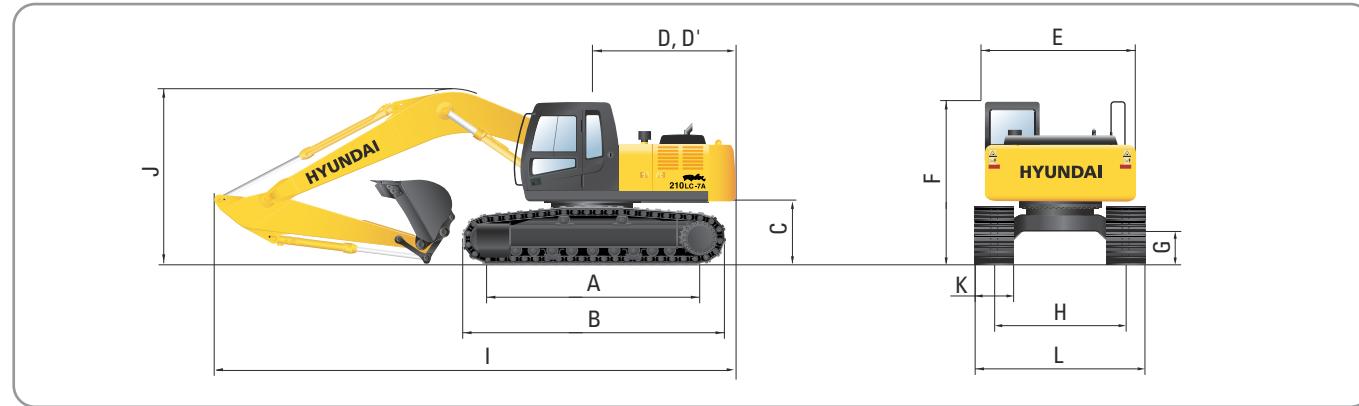


Digging force

Arm	Length	mm(ft.in)	2,000 (6' 7")	2,400 (7' 10")	※ 2,920 (9' 7")	3,900 (12' 10")	Remark
			Weight	kg(lb)	860 (1,890)	950 (2,090)	
Bucket digging force	ISO	kN kgf lbf	133.4 [145.5]		133.4 [145.5]		133.4 [145.5] 13600 [14840] 29980 [32710]
			15500 [16910]		13600 [14840]		
Arm crowd force	ISO	kN kgf lbf	152.0 [165.8]		152.0 [165.8]		152.0 [165.8] 15500 [16910] 34170 [37280]
			15500 [16910]				

Dimensions & Working ranges

Dimensions R210LC-7A

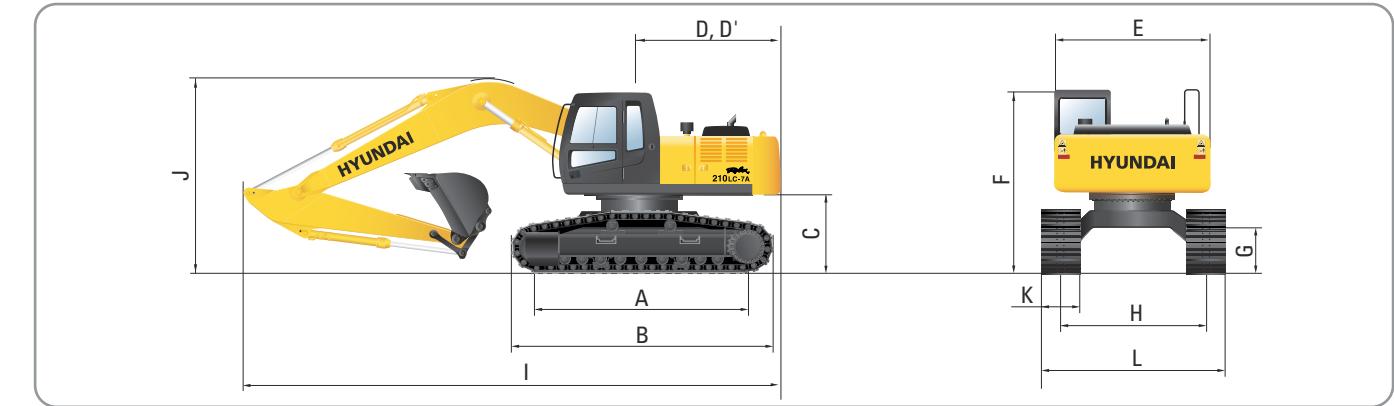


	mm (ft · in)
A Tumbler distance	3,650 (12' 0")
B Overall length of crawler	4,440 (14' 7")
C Ground clearance of counterweight	1,060 (3' 6")
D Tail swing radius	2,830 (9' 3")
D' Rear-end length	2,770 (9' 1")
E Overall width of upperstructure	2,700 (8' 10")
F Overall height of cab	2,920 (9' 7")
G Min. ground clearance	480 (1' 7")
H Track gauge	2,390 (7' 10")

	Boom length	※5,680 (18' 8")			
		Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,920 (9' 7")
I Overall length	9,650 (31' 8")	9,570 (31' 5")	9,520 (31' 3")	9,520 (31' 3")	9,520 (31' 3")
J Overall height of boom	3,200 (10' 6")	3,110 (10' 2")	2,990 (9' 10")	3,480 (11' 5")	3,480 (11' 5")

* Standard Equipment

Dimensions R210LC-7A High Chassis

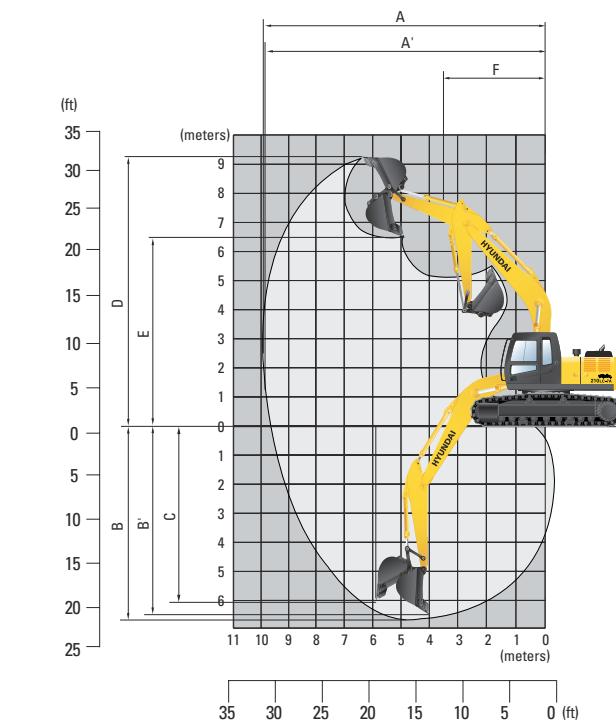


	mm (ft · in)
A Tumbler distance	3,650 (12' 0")
B Overall length of crawler	4,440 (14' 7")
C Ground clearance of counterweight	1,260 (4' 2")
D Tail swing radius	2,830 (9' 3")
D' Rear-end length	2,770 (9' 1")
E Overall width of upperstructure	2,700 (8' 10")
F Overall height of cab	3,100 (10' 2")
G Min. ground clearance	660 (2' 2")
H Track gauge	2,795 (9' 2")

	Boom length	※5,680 (18' 8")			
		Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,920 (9' 7")
I Overall length	9,640 (31' 7")	9,550 (31' 4")	9,470 (31' 1")	9,560 (31' 4")	9,560 (31' 4")
J Overall height of boom	3,320 (10' 11")	3,220 (10' 7")	3,080 (10' 1")	3,490 (11' 5")	3,490 (11' 5")

* Standard Equipment

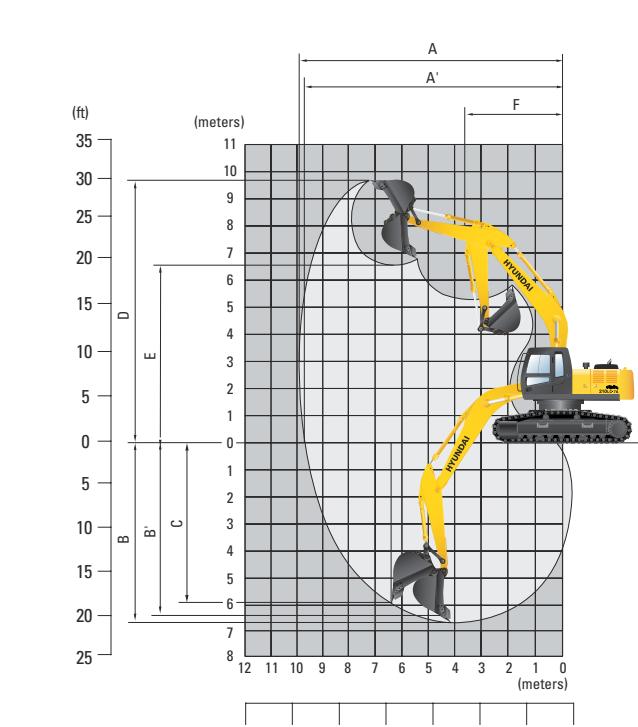
Working ranges R210LC-7A



	Boom length	※5,680 (18' 8")			
		Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,920 (9' 7")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,940 (32' 7")	10,910 (35' 10")	10,910 (35' 10")
A' Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,780 (32' 1")	10,770 (35' 4")	10,770 (35' 4")
B Max. digging depth	5,820 (19' 1")	6,220 (20' 5")	6,740 (22' 1")	7,720 (25' 4")	7,720 (25' 4")
B' Max. digging depth (8' level)	5,580 (18' 4")	6,010 (19' 9")	6,550 (21' 6")	7,580 (24' 10")	7,580 (24' 10")
C Max. vertical wall digging depth	5,280 (17' 4")	5,720 (18' 9")	6,120 (20' 1")	7,240 (23' 9")	7,240 (23' 9")
D Max. digging height	9,140 (30' 0")	9,340 (30' 8")	9,470 (31' 1")	10,110 (33' 2")	10,110 (33' 2")
E Max. dumping height	6,330 (20' 9")	6,520 (21' 5")	6,670 (21' 11")	7,290 (23' 11")	7,290 (23' 11")
F Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,640 (11' 11")	3,650 (11' 12")	3,650 (11' 12")

* Standard Equipment

Working ranges R210LC-7A High Chassis



	Boom length	※5,680 (18' 8")			
		Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,920 (9' 7")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,940 (32' 7")	10,910 (35' 10")	10,910 (35' 10")
A' Max. digging reach on ground	8,920 (29' 3")	9,290 (30' 6")	9,740 (31' 11")	10,730 (35' 2")	10,730 (35' 2")
B Max. digging depth	5,630 (18' 6")	6,010 (19' 9")	6,550 (21' 6")	7,530 (24' 8")	7,530 (24' 8")
B' Max. digging depth (8' level)	5,390 (17' 8")	5,820 (19' 1")	6,360 (20' 10")	7,390 (24' 3")	7,390 (24' 3")
C Max. vertical wall digging depth	5,090 (16' 8")	5,530 (18' 2")	5,930 (19' 5")	7,050 (23' 1")	7,050 (23' 1")
D Max. digging height	9,330 (30' 7")	9,530 (31' 3")	9,660 (31' 8")	10,300 (33' 9")	10,300 (33' 9")
E Max. dumping height	6,520 (21' 5")	6,710 (22' 0")	6,860 (22' 6")	7,480 (24' 6")	7,480 (24' 6")
F Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,640 (11' 11")	3,650 (11' 12")	3,650 (11' 12")

* Standard Equipment

Lifting Capacities



Lifting capacities R210LC-7A

Rating over-front Rating over-side or 360 degree

• Boom : 5.68m (18' 8") • Arm : 2.0 m (6' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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)	Capacity	Reach	
7.5 m (25.0 ft)	kg lb					*3750 *8270	*3750 (21.8)	6.64
6.0 m (20.0 ft)	kg lb			*4150 *9150	*4150 *9150			7.78
4.5 m (15.0 ft)	kg lb		*5360 *11820	*5360 *11820	*4540 *10010	*4540 *10010		8.43
3.0 m (10.0 ft)	kg lb		*6970 *15370	6830 15060	*5240 *11550	4380 9660	*4050 *8930	8.74
1.5 m (5.0 ft)	kg lb		*8380 *18470	6310 13910	*5950 *13120	4120 9080	*4820 *10630	8.73
Ground Line	kg lb		*9020 *19890	6080 13400	*6430 *14180	3960 8730	4980 10980	2830
-1.5 m (-5.0 ft)	kg lb	*13020 *28700	12190 26870	*8960 *19750	6050 13340	*6510 *14350	3910 8620	*4550 *10030
-3.0 m (-10.0 ft)	kg lb	*11620 *25620	*11620 *25620	*8210 *18100	6160 13580	*5910 *13030	3990 8800	*4510 *9940
-4.5 m (-15.0 ft)	kg lb	*8770 *19330	*8770 *19330					6.61

• Boom : 5.68m (18' 8") • Arm : 2.4 m (7' 10") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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
7.5 m (25.0 ft)	kg lb						*3630 *8000	3190 (23.5)
6.0 m (20.0 ft)	kg lb						*3520 *8270	2490 (26.9)
4.5 m (15.0 ft)	kg lb						*4190 *9240	*4190 *8690
3.0 m (10.0 ft)	kg lb			*6420 *14150	*6420 *14150	*4920 *10850	4400 9700	*4240 *9350
1.5 m (5.0 ft)	kg lb			*7960 *17550	6360 14020	*5690 *12540	4130 9110	*4620 *10190
Ground Line	kg lb		*8300 *18300	*8300 *18300	*8820 *19440	6050 13340	*6260 *13800	3930 8660
-1.5 m (-5.0 ft)	kg lb	*9220 *20330	*9220 *20330	*12750 *28110	11960 26370	*8970 *19780	5970 13160	*6460 *14240
-3.0 m (-10.0 ft)	kg lb	*13340 *29410	*13340 *29410	*12280 *27070	12180 26850	*8430 *18580	6040 13320	*6110 *13470
-4.5 m (-15.0 ft)	kg lb			*9840 *21690	*9840 *21690	*6850 *15100	6300 13890	

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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
7.5 m (25.0 ft)	kg lb						*3120 *6880	*3120 *6880
6.0 m (20.0 ft)	kg lb						*3210 *7080	2530 (28.5)
4.5 m (15.0 ft)	kg lb						*3770 *8310	*3770 *8310
3.0 m (10.0 ft)	kg lb		*9160 *20190	*9160 *20190	*5760 *12700	*4530 *9990	4490 9900	*3950 *8710
1.5 m (5.0 ft)	kg lb		*8660 *19090	*8660 *19090	*7430 *16380	6550 14330	*5380 *11860	4180 9220
Ground Line	kg lb		*9310 *20530	*9310 *20530	*8550 *18850	6100 13450	*6060 *13360	*3950 *7910
-1.5 m (-5.0 ft)	kg lb	*8550 *18850	*8550 *18850	*12160 *26810	11830 26080	*8950 *19730	5940 13100	*6400 *14110
-3.0 m (-10.0 ft)	kg lb	*11700 *25790	*11700 *25790	*13020 *28700	11990 26430	*8680 *19140	5960 13140	*6280 *13850
-4.5 m (-15.0 ft)	kg lb			*11040 *24340	*11040 *24340	*7560 *16670	6130 13510	

1. Lifting capacity is based on SAE J1097, ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

• Boom : 5.68m (18' 8") • Arm : 3.9 m (12' 9") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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
9.0 m (30.0 ft)	kg lb							*2590 *5710
7.5 m (25.0 ft)	kg lb							*2640 *5820
6.0 m (20.0 ft)	kg lb							*2720 *6000
4.5 m (15.0 ft)	kg lb							*2910 *6890
3.0 m (10.0 ft)	kg lb							*3130 *7360
1.5 m (5.0 ft)	kg lb							*3260 *4610
Ground Line	kg lb		*4950 *10910	*4950 *10910	*9990 *2220	*7720 *22020	6170 17020	*5490 *12100
-1.5 m (-5.0 ft)	kg lb	*7060 *15560	*7060 *15560	*10980 *24210	*10980 *24210	*8560 *18870	5860 12920	*6070 *13380
-3.0 m (-10.0 ft)	kg lb	*9410 *20750	*9410 *20750	*13520 *29810	*13520 *25460	*8760 *19310	5760 12700	*6270 *13820
-4.5 m (-15.0 ft)	kg lb	*12210 *26920	*12210 *26920	*12210 *26920	*12210 *26920	*8250 *18190	5830 12850	*5920 *13050
-6.0 m (-20.0 ft)	kg lb							

• Boom : 5.68m (18' 8") • Arm : 2.0 m (6' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 800mm(32") triple grouser with 3,800kg (8,380 lb) counterweight

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Lifting Capacities

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 800mm(32") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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			
7.5 m (25.0 ft)	kg lb						*3120 *6880	*3120 *6880 (25.3)	7.72		
6.0 m (20.0 ft)	kg lb						*3210 *7080	2600 5730 (28.5)	8.69		
4.5 m (15.0 ft)	kg lb				*3770 *8310	*3770 *8310	*3590 *7910	3300 7280	2230 (30.4)		
3.0 m (10.0 ft)	kg lb	*9160 *20190	*9160 *20190	*5760 *12700	*5760 *12700	*4530 *9990	*4530 *8710	*3950 *6970	3160 6970	2050 (31.3)	
1.5 m (5.0 ft)	kg lb	*8660 *19090	*8660 *19090	*7430 *16380	6670 14700	*5380 *11860	4300 9480	*4390 *9680	3000 6610	3550 (31.3)	
Ground Line	kg lb	*9310 *20530	*9310 *20530	*8550 *18850	6270 13820	*6060 *13360	4060 8950	*4770 *10520	2870 8140	3690 (30.4)	
-1.5 m (-5.0 ft)	kg lb	*8550 *18850	*8550 *18850	*12160 *26810	12150 26790	*8950 *19730	6110 13470	*6400 *14110	3940 8690	*4940 *10890	2810 (28.4)
-3.0 m (-10.0 ft)	kg lb	*11700 *25790	*11700 *25790	*13020 *28700	12310 27140	*8680 *19140	6130 13510	*6280 *13850	3930 8660	*4230 *9330	2850 (25.2)
-4.5 m (-15.0 ft)	kg lb	*11040 *24340	*11040 *24340	*7560 *16670	6300 13890			*4140 *9130	*4140 *9130	6.09 (20.0)	

• Boom : 5.68m (18' 8") • Arm : 2.4 m (7' 10") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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	
7.5 m (25.0 ft)	kg lb								
6.0 m (20.0 ft)	kg lb							*3780 *8330	*3780 *8330
4.5 m (15.0 ft)	kg lb							*5010 *11050	*5010 *11050
3.0 m (10.0 ft)	kg lb							*6640 *14640	*6640 *14640
1.5 m (5.0 ft)	kg lb							*8110 *17880	*8110 *17880
Ground Line	kg lb	*8830 *19470	*8830 *19470	*8870 *19550		8040 17730		*6310 *13910	5160 11380
-1.5 m (-5.0 ft)	kg lb	*9710 *21410	*9710 *21410	*13370 *29480	*13370 *29480	*8940 *19710	7970 17570	*6460 *14240	5090 11220
-3.0 m (-10.0 ft)	kg lb	*11700 *30690	*11700 *30690	*13020 *26590	12310 27140	*8680 *18140	6130 13510	*8130 *18230	870 11350
-4.5 m (-15.0 ft)	kg lb	*11040 *20700	*11040 *20700	*7560 *14330	6300 13890			*4140 *9130	6.09 (20.0)

• Boom : 5.68m (18' 8") • Arm : 3.9 m (12' 9") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 800mm(32") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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
9.0 m (30.0 ft)	kg lb							*2590 *5710	*2590 *5710 (25.1)
7.5 m (25.0 ft)	kg lb							*2640 *5820	2550 5620 (29.3)
6.0 m (20.0 ft)	kg lb							*2720 *6000	2080 4590 (32.1)
4.5 m (15.0 ft)	kg lb							*2830 *6240	1810 3990 (33.7)
3.0 m (10.0 ft)	kg lb							*2910 *6420	*2910 *6420 (33.7)
1.5 m (5.0 ft)	kg lb	*3710 *8180	*3710 *8180	*3340 *7360	3220 7100	*2750 *6060	2270 5000	*2960 *6530	1670 3680 (34.5)
Ground Line	kg lb	*4950 *10910	*4950 *10910	*9990 *22020	6340 12200	*5490 *17020	4070 13980	*4360 *9610	2850 6280 (33.7)
-1.5 m (-5.0 ft)	kg lb	*7060 *15560	*7060 *15560	*10980 *24210	6030 13730	*8560 *10230	3870 9680	*4710 *8510	2730 6590 (34.5)
-3.0 m (-10.0 ft)	kg lb	*9410 *20750	*9410 *20750	*13520 *29810	11870 26170	*8760 *19310	5930 13070	*6270 *13820	3790 8360 (32.0)
-4.5 m (-15.0 ft)	kg lb	*12210 *26920	*12210 *26920	*12480 *27510	12100 12680	*8250 *18190	6000 13230	*5920 *13050	3830 8440 (29.2)
6.0 m (20.0 ft)	kg lb							*3650 *8050	2150 4740 (29.2)

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 3,800kg (8,380 lb) counterweight

Load point height 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	
7.5 m (25.0 ft)	kg lb								
6.0 m (20.0 ft)	kg lb								
4.5 m (15.0 ft)	kg lb								
3.0 m (10.0 ft)	kg lb	*9770 *21540	*9770 *21540	*5990 *13210		*5990 *13210		*4640 *10230	*4640 *10230 (31.4)
1.5 m (5.0 ft)	kg lb	*8460 *18650	*8460 *18650	*7610 *16780		*7610 *16780		*5490 *12060	5490 11900 (31.2)
Ground Line	kg lb	*9600 *21160	*9600 *21160	*8640 *19050		*8640 *17810		*6120 *13490	5170 11400 (30.2)
-1.5 m (-5.0 ft)	kg lb	*8930 *19690	*8930 *19690	*8950 *27780	12600 19730	*8950 *17500	7940 17500	*6420 *14150	5060 11160 (28.1)
-3.0 m (-10.0 ft)	kg lb	*12130 *26740	*12130 *26740	*12840 *28310	12240 18960	*8600 *18960	7980 17590	*6220 *13710	5070 11180 (24.7)
-4.5 m (-15.0 ft)	kg lb	*10670 *23520</td							