



ROBEX 210LC-7

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 & Ach-try

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 (7,500Kcal/hr , 30,000BTu/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
 - 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 oil cooler

Automatic swing brake

Removable reservoir tank

Water separator, fuel line

Boom holding system

Arm holding system

Counterweight (3800kg, 8380lb)

Mono boom (5.68m, 18' 8")

Arm (2.92m, 9' 7")

Track shoes (600m, 24")

Track rail guard

Optional Equipment

Air-conditioner (5000kcal/hr, 20000BTU/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 (2.00m, 6' 7")
- Short arm (2.40m, 7' 10")
- Long arm (3.90m, 12' 10")

Various optional Buckets (PCSA heaped)

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

Cabin anti-vandalism kit

Cabin lights

Track shoes

- Triple grouzers shoe (700mm, 28")
- Triple grouzers shoe (600mm, 24")
- Triple grouzers shoe (800mm, 32")
- Double grouzers shoe (710mm, 28")

Lower frame under cover

Pre heating system

Tool kit

Operator suit

Special cooling

- Air vent type side door

Low noise kit

Engine emergency control cable



Building a better future
Global Leader

Robex **NEW 7 SERIES**

210LC-7

210LC-7 High-Chassis

Tier II Engine



CRAWLER EXCAVATOR

CUMMINS B5.9-C Engine :

112 kW/150 HP

Operating Weight :

21700 ~ 23700kg (47800 ~ 52300 lb)

Bucket Capacity, PCSA :

0.51 ~ 1.34 m³ (0.67 ~ 1.75 yd³)

■ 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 measurment rounded off to nearest pounds or inches.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.
CONSTRUCTION EQUIPMENT DIVISION

HEAD OFFICE
(Sales Office)
HCE U.S.A.
HII EUROPE N.V.

1 CHEONHA - DONG, DONG-KU, ULSAN, KOREA
TEL : (82)(52)230 - 2114 FAX (82)(52)230 - 7979
955 ESTES AVENUE ELK GROVE VILAGE IL. 60007
TEL : (1)847 - 437 - 3333 FAX : (1)847 - 437 - 3574
VOSSENDAAL 11, 2440 GEEL, BELGIUM
TEL : (32)14 - 562200 FAX : (32)14 - 593405 ~ 06

PLEASE CONTACT

ООО "Техномир"

664024 Россия, Иркутская область,
г. Иркутск, ул. Тракторная, д.18а оф.12.

www.hyundai-mir.ru

(3952) 722-735, (3952) 722-745, (3952) 722-785

www.hyundai-ce.com

2003. 6 Rev 1.

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 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

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

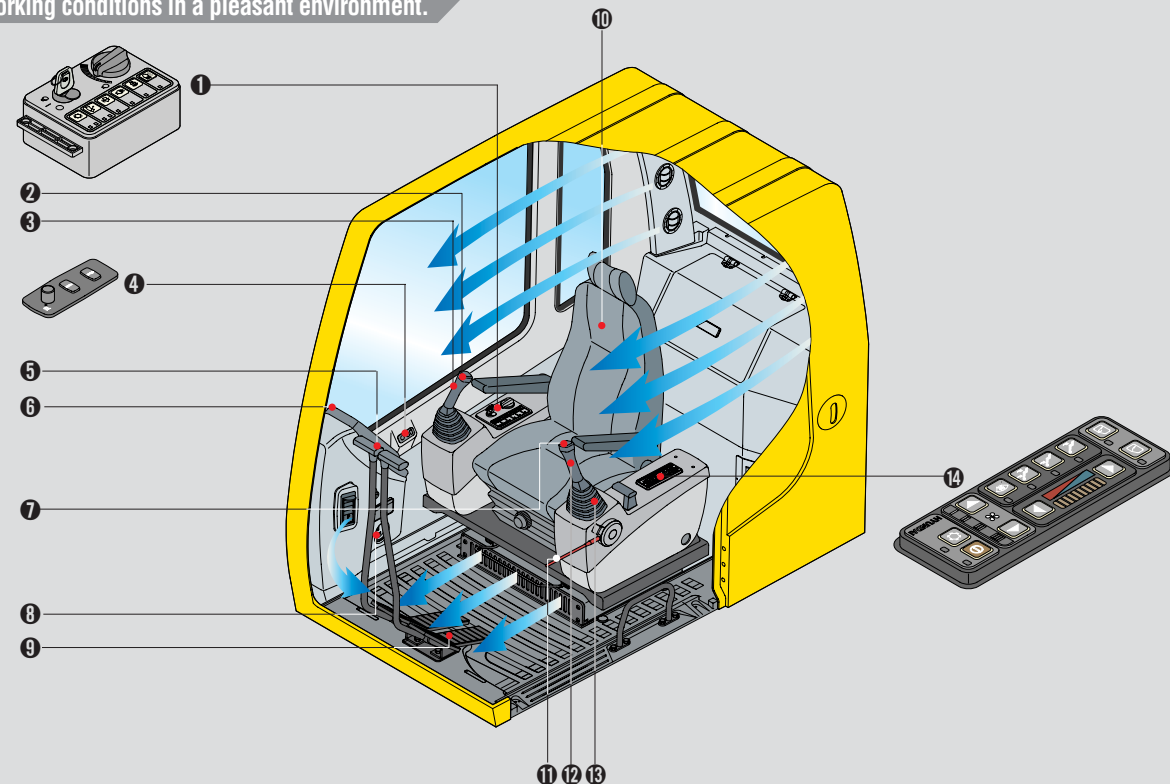


Raise-up Wiper and Cabin Lights

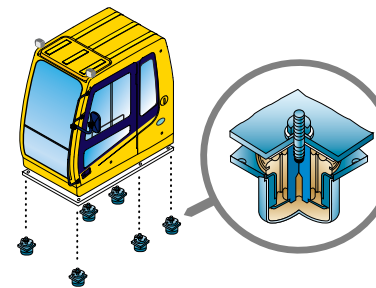
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)



The best working conditions in a pleasant environment.



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



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

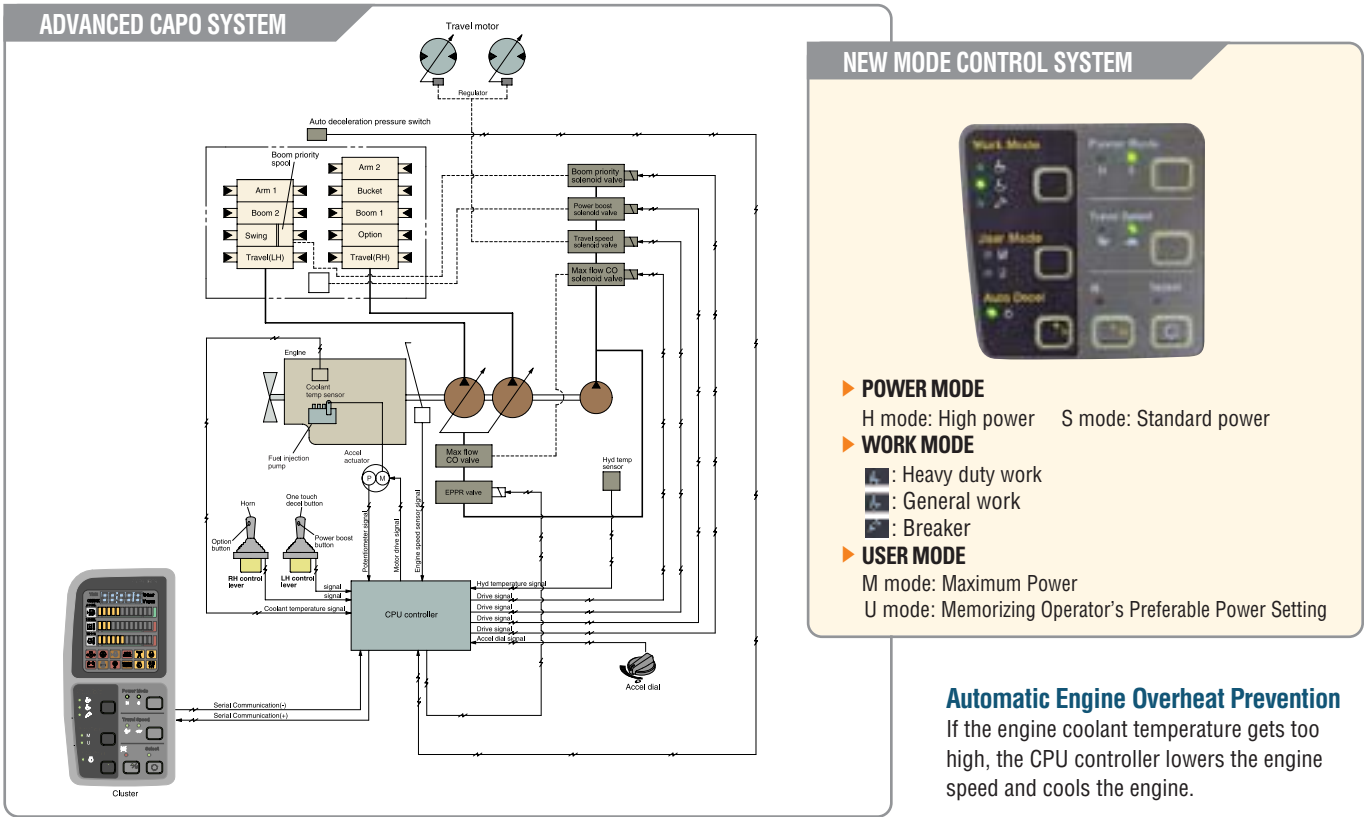
Rear Exit Window is designed with easy exit for operator's safety.



Drink Holder and Magazine 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.

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.

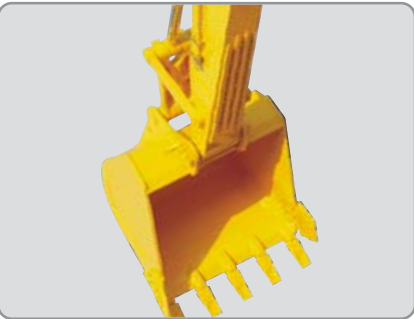


A More Reliable Way To Reach You Dream.

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.



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.



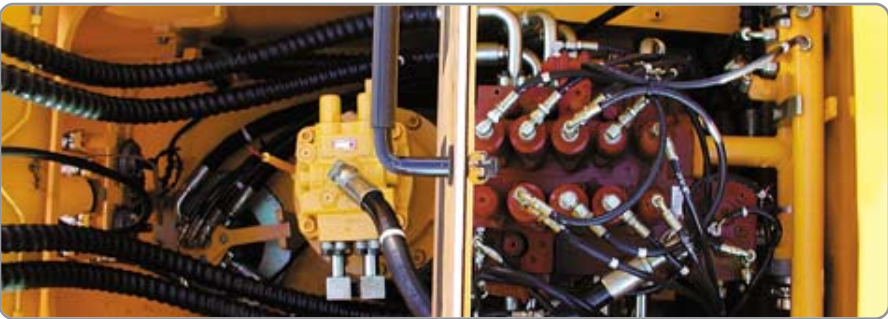
Track Rail Guide & Adjusters

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



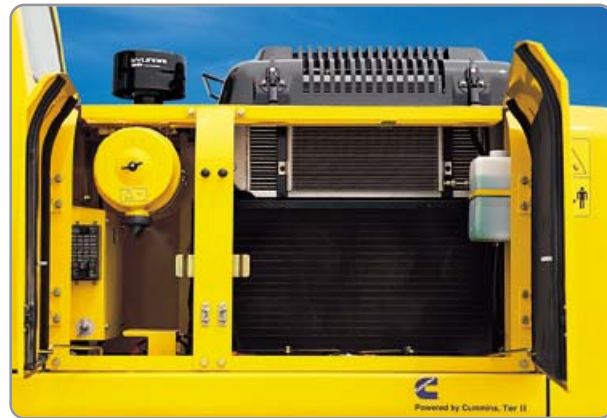
Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action

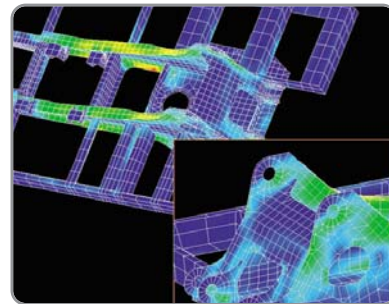


Full open doors and master key system provide easy access for servicing.

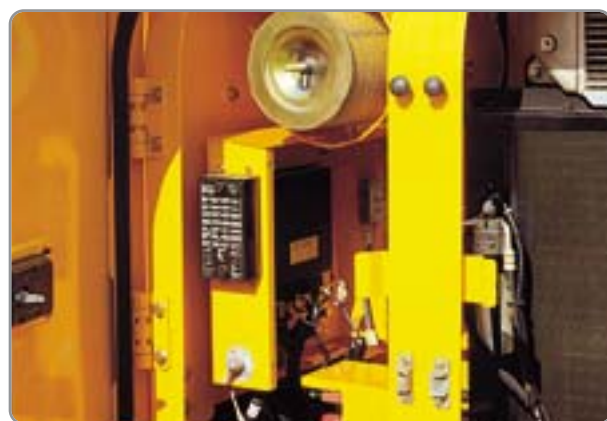
Handrails and foot steps are applied for safety



Side Cover with Left & Right Swing Open Type
Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.



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



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.



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.



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.



Engine

Model			Cummins B5.9-C
Type			Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, charger air cooled, Low emission
Rated flywheel horse power	SAE	J1995 (gross)	150HP (112kW) / 1950rpm
		J1349 (net)	143HP (107kW) / 1950rpm
	DIN	6271/1 (gross)	152PS (112kW) / 1950rpm
		627 1/1 (net)	145PS (107kW) / 1950
Max. torque			62.6kgf·m (453lbf·ft) / 1500rpm
Bore × stroke			102mm (4.02in) × 120mm(4.72in)
Piston displacement			5880cc (359in³)
Batteries			2 x 12V × 100AH
Starting motor			24V, 4.5kw
Alternator			240, 50Amp



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 × 220 ℓ /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 (4690 psi)
Travel	330 kgf/cm² (4690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5120 psi)
Swing circuit	240 kgf/cm² (3410 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore × rod × stroke	Boom: 2-120 × 85 × 1290 mm (4.7" × 3.3" × 50.8")
	Arm: 1-140 × 100 × 1510 mm (5.5" × 3.9" × 59.4")
	Bucket: 1-125 × 85 × 1055 mm (4.9" × 3.3" × 41.5")



Drives & Brakes

Drive method		Fully hydrostatic type
Drive motor		Axial piston motor, in-shoe design
Reduction system	STD	RV gear
	H/C	Planetary reduction gear
Max. drawbar pull		21100 kgf (46500 lbf)
Max. travel speed(high) / (low)		5.5 km/hr (3.4 mph) / 3.4 km/hr (2.1 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	12.5 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		5	1.3	1.1
Final drive(each)	STD	5.4	1.4	1.2
	H/C	3.3	0.9	0.7
Hydraulic system(including tank)		290	76.6	63.8
Hydraulic tank		180	47.6	39.6



Undercarriage

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 spring and sprockets, and track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	49
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 5680mm (18' 8") boom, 2920m (9' 7") arm, PCSA heaped 0.92m³ (1.20 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight

Upperstructure	5850kg (12900lb)
Counterweight	3800kg (8380lb)
Boom (with Arm cylinder)	1950kg (4300lb)

Operating weight

Shoes		Operating weight		Ground pressure
Type	Width mm(in)		kg(lb)	kgf/cm²(psi)
Triple grouser	※ 600 mm (24")	R210LC-7	21700 (47800)	0.46 (6.54)
		R210LC-7 H/C	23160 (51060)	0.49 (6.97)
	700 mm (28")	R210LC-7	21980 (48460)	0.40 (5.69)
		R210LC-7 H/C	23440 (57680)	0.43 (6.12)
	800 mm (32")	R210LC-7	22270 (49070)	0.35 (4.98)
		R210LC-7 H/C	23730(52320)	0.38 (5.40)
Double grouser	710 mm (28")	R210LC-7 H/C	23770 (52400)	0.43 (6.12)

※ Standard equipment



Buckets

PCSA heaped m³ (yd³)	0.51 (0.67)	0.80 (1.05)	※ 0.92 (1.20)	1.20 (1.57)	1.34 (1.75)	▲ 0.74 (0.97) ▲ 0.90 (1.18) ▲ 1.05 (1.37)	● 0.87 (1.14)	★ 0.75 (0.98)

Capacity m³ (yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)				
PCSA heaped	CECE heaped	Without side cutters	With side cutters		Boom	5680 (18' 8")			
					Arm	2000 (6' 7")	2400 (7' 10")	2920 (9' 7")	3900 (12' 10")
0.51(0.67)	0.45(0.59)	700(27.6)	820(32.3)	580(1280)		●	●	●	●
0.80(1.05)	0.70(0.92)	1000(39.4)	1120(44.1)	650(1430)		●	●	●	■
※ 0.92(1.20)	0.80(1.05)	1130(44.5)	1250(49.2)	710(1570)		●	●	■	▲
1.20(1.57)	1.00(1.31)	1400(55.1)	-	770(1700)		■	▲	-	-
1.34(1.75)	1.15 (1.50)	1550(61.1)	-	800(1760)		▲	▲	-	-
▲ 0.74(0.97)	0.65(0.85)	915(36.0)	-	750(1650)		●	●	●	-
▲ 0.90(1.18)	0.80(1.05)	1070(42.0)	-	790(1740)		●	●	■	-
▲ 1.05(1.37)	0.92(1.20)	1220(48.0)	-	870(1920)		■	▲	-	-
● 0.87(1.14)	0.75(0.98)	1140(44.9)	-	860(1900)		●	●	■	-
★ 0.75(0.98)	0.65(0.85)	1810(71.3)	-	880(1940)		●	●	■	▲

- ※ : Standard backhoe bucket
▲ : Heavy-duty
● : Rock bucket-Heavy duty
★ : 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 attachmet

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"), 3.90m (12' 10") arm are available. Buckets are all-welded, high-strength steel implements.

2.0 m (6' 7")	2.40 m (7' 10")	※ 2.92 m (9' 7")	3.90 m (12' 10")



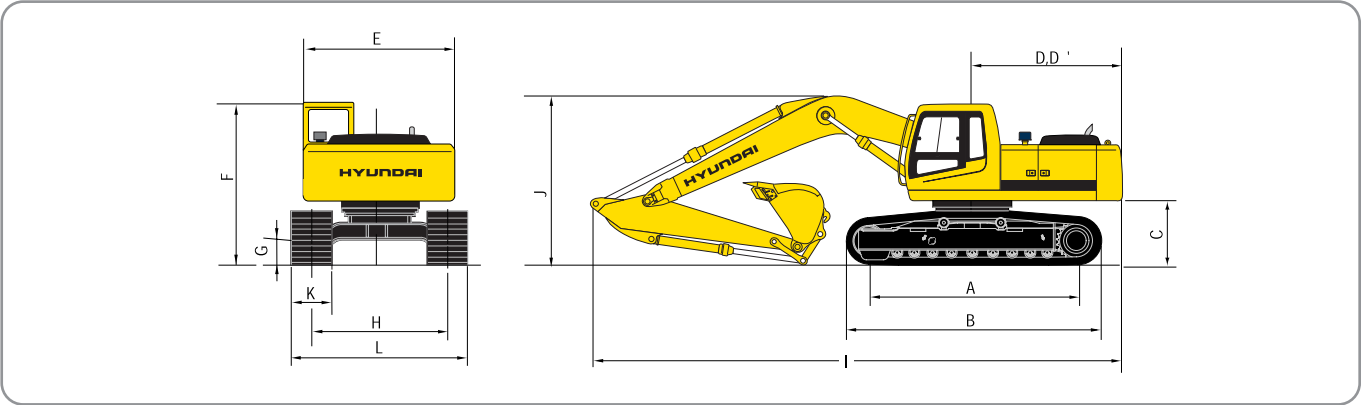
Digging force

Arm	Length	mm(ft.in)	2000 (6' 7")	2400 (7' 10")	※ 2920 (9' 7")	3900 (12' 10")	Remark
	Weight	kg(lb)	860 (1890)	950 (2090)	990 (2180)	1200 (2650)	
Bucket digging force	SAE	kN	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	[]: Power Boost
		kgf	13600 [14840]	13600 [14840]	13600 [14840]	13600 [14840]	
	ISO	kgf	29980 [32710]	29980 [32710]	29980 [32710]	29980 [32710]	
		lbf	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	
Arm crowd force	SAE	kgf	15500 [16910]	15500 [16910]	15500 [16910]	15500 [16910]	
		lbf	34170 [37280]	34170 [37280]	34170 [37280]	34170 [37280]	
	ISO	kN	135.3 [147.6]	112.8 [123.1]	97.1 [105.9]	79.4 [86.6]	
		kgf	13800 [15050]	11500 [12550]	9900 [10800]	8100 [8840]	
	SAE	kgf	30420 [33190]	25350 [27650]	21830 [23810]	17860 [19480]	
		lbf	142.2[155.1]	117.7 [128.4]	101.0 [110.2]	85.3 [93.0]	
	ISO	kgf	14500[15820]	12000 [13090]	10300 [11240]	8700 [9490]	
		lbf	31970 [34880]	26460 [28870]	22710 [24770]	19180 [20920]	

Note : Arm weight including bucket cylinder and linkage.

※ Standard arm

Dimensions R210LC-7

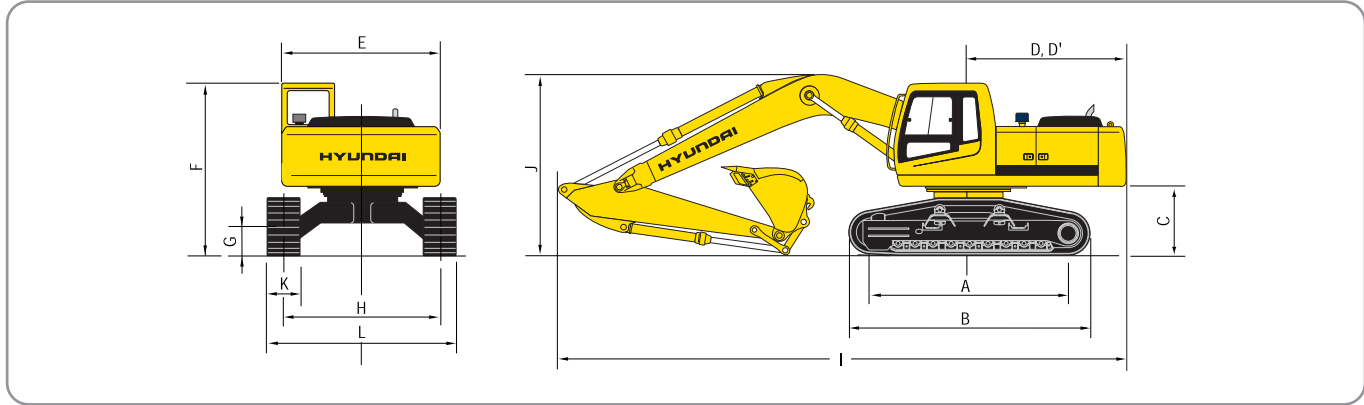


mm (ft · in)		
A	Tumbler distance	3650 (12' 0")
B	Overall length of crawler	4440 (14' 7")
C	Ground clearance of counterweight	1060 (3' 6")
D	Tail swing radius	2830 (9' 3")
D'	Rear-end length	2770 (9' 1")
E	Overall width of upperstructure	2700 (8' 10")
F	Overall height of cab	2920 (9' 7")
G	Min. ground clearance	480 (1' 7")
H	Track gauge	2390 (7' 10")

mm (ft · in)				
Boom length		※5680 (18' 8")		
Arm length		2000 (6' 7")	2400 (7' 10")	※2920 (9' 7")
I	Overall length	9650 (31' 8")	9570 (31' 5")	9520 (31' 3")
J	Overall height of boom	3200 (10' 6")	3110 (10' 2")	2990 (9' 10")
K	Track shoe width	600 (24")	700 (28")	800 (32")
L	Overall width	2990 (9' 10")	3090 (10' 2")	3190 (10' 6")

※ Standard Equipment

Dimensions R210LC-7 High Chassis

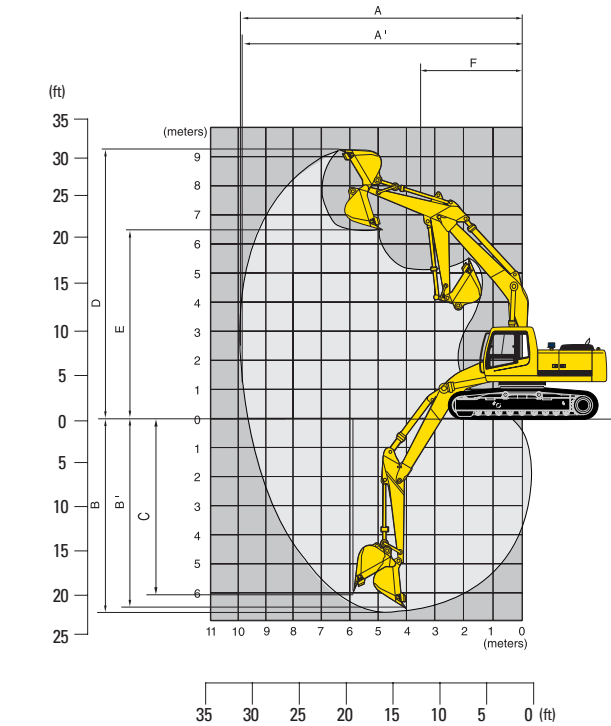


mm (ft · in)		
A	Tumbler distance	3650 (12' 0")
B	Overall length of crawler	4440 (14' 7")
C	Ground clearance of counterweight	1260 (4' 2")
D	Tail swing radius	2830 (9' 3")
D'	Rear-end length	2770 (9' 1")
E	Overall width of upperstructure	2700 (8' 10")
F	Overall height of cab	3100 (10' 2")
G	Min. ground clearance	660 (2' 2")
H	Track gauge	2795 (9' 2")

mm (ft · in)				
Boom length		※5680 (18' 8")		
Arm length		2000 (6' 7")	2400 (7' 10")	※2920 (9' 7")
I	Overall length	9640 (31' 7")	9550 (31' 4")	9470 (31' 1")
J	Overall height of boom	3320 (10' 11")	3220 (10' 7")	3080 (10' 1")
K	Track shoe width	Type width	Triple grouser	Double grouser
			※600 (24")	700 (28")
			800 (32")	710 (28")
L	Overall width	3395 (11' 2")	3495 (11' 6")	3595 (12' 0")

※ Standard Equipment

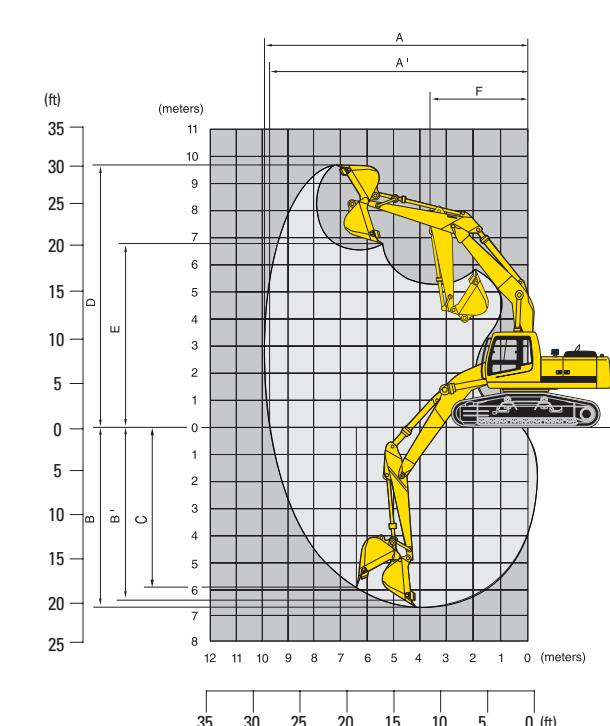
Working ranges R210LC-7



mm (ft · in)				
Boom length		※5680 (18' 8")		
Arm length		2000 (6' 7")	2400 (7' 10")	※2920 (9' 7")
A	Max. digging reach	9140 (30' 0")	9500 (31' 2")	9940 (32' 7")
A'	Max. digging reach on ground	8960 (29' 5")	9330 (30' 7")	9780 (32' 1")
B	Max. digging depth	5820 (19' 1")	6220 (20' 5")	6740 (22' 1")
B'	Max. digging depth (8' level)	5580 (18' 4")	6010 (19' 9")	6550 (21' 6")
C	Max. vertical wall digging depth	5280 (17' 4")	5720 (18' 9")	6120 (20' 1")
D	Max. digging height	9140 (30' 0")	9340 (30' 8")	9470 (31' 1")
E	Max. dumping height	6330 (20' 9")	6520 (21' 5")	6670 (21' 11")
F	Min. swing radius	3750 (12' 4")	3740 (12' 3")	3640 (11' 11")

※ Standard Equipment

Working ranges R210LC-7 High Chassis



mm (ft · in)				
Boom length		※5680 (18' 8")		
Arm length		2000 (6' 7")	2400 (7' 10")	※2920 (9' 7")
A	Max. digging reach	9140 (30' 0")	9500 (31' 2")	9940 (32' 7")
A'	Max. digging reach on ground	8920 (29' 3")	9290 (30' 6")	9740 (31' 11")
B	Max. digging depth	5630 (18' 6")	6010 (19' 9")	6550 (21' 6")
B'	Max. digging depth (8' level)	5390 (17' 8")	5820 (19' 1")	6360 (20' 10")
C	Max. vertical wall digging depth	5090 (16' 8")	5530 (18' 2")	5930 (19' 5")
D	Max. digging height	9330 (30' 7")	9530 (31' 3")	9660 (31' 8")
E	Max. dumping height	6520 (21' 5")	6710 (22' 0")	6860 (22' 6")
F	Min. swing radius	3750 (12' 4")	3740 (12' 3")	3640 (11' 11")

※ Standard Equipment



Lifting capacities R210LC-7



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)PCSA 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
												m (ft)
7.5 m (25.0 ft)	kg lb									*3750 *8270	*3750 *8270	6.64 (21.8)
6.0 m (20.0 ft)	kg lb					*4150 *9150	*4150 *9150			*3800 *8380	3060 6750	7.78 (25.5)
4.5 m (15.0 ft)	kg lb			*5360 *11820	*5360 *11820	*4540 *10010	*4540 *10010			*3910 *8620	2560 5640	8.43 (27.7)
3.0 m (10.0 ft)	kg lb			*6970 *15370	6830 15060	*5240 *11550	4380 9660	*4500 *9920	3020 6660	*4050 *8930	2340 5160	8.74 (28.7)
1.5 m (5.0 ft)	kg lb			*8380 *18470	6310 13910	*5950 *13120	4120 9080	*4820 *10630	2900 6390	4000 8820	2280 5030	8.73 (28.6)
Ground Line	kg lb			*9020 *19890	6080 13400	*6430 *14180	3960 8730	4980 10980	2830 6240	4210 9280	2400 5290	8.42 (27.6)
-1.5 m (-5.0 ft)	kg lb	*13020 *28700	12190 26870	*8960 *19750	6050 13340	*6510 *14350	3910 8620			*4550 *10030	2770 6110	7.76 (25.5)
-3.0 m (-10.0 ft)	kg lb	*11620 *25620	*11620 *25620	*8210 *18100	6160 13580	*5910 *13030	3990 8800			*4510 *9940	3660 8070	6.61 (21.7)
-4.5 m (-15.0 ft)	kg lb	*8770 *19330	*8770 *19330									

• Boom : 5.68m (18' 8") • Arm : 2.4 m (7' 10") • Bucket : 0.92 m³ (1.20 yd³)PCSA 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	
															m (ft)
7.5 m (25.0 ft)	kg lb												*3450 *7610	*3450 *7610	7.15 (23.5)
6.0 m (20.0 ft)	kg lb							*3750 *8270	*3750 *8270				*3520 *7760	2780 6130	8.20 (26.9)
4.5 m (15.0 ft)	kg lb							*4190 *9240	*4190 *9240	*3940 *8690	3140 6920		*3630 *8000	2350 5180	8.82 (28.9)
3.0 m (10.0 ft)	kg lb					*6420 *14150	*6420 *14150	*4920 *10850	4400 9700	*4240 *9350	3020 6660		3770 8310	2150 4740	9.11 (29.9)
1.5 m (5.0 ft)	kg lb					*7960 *17550	6360 14020	*5690 *12540	4130 9110	*4620 *10190	2890 6370		3720 8200	2100 4630	9.10 (29.9)
Ground Line	kg lb			*8300 *18300	*8300 *18300	*8820 *19440	6050 13340	*6260 *13800	3930 8660	*4920 *10850	2790 6150		3890 8580	2200 4850	8.81 (28.9)
-1.5 m (-5.0 ft)	kg lb	*9220 *20330	*9220 *20330	*12750 *28110	11960 26370	*8970 *19780	5970 13160	*6460 *14240	3850 8490				*4300 *9480	2490 5490	8.18 (26.8)
-3.0 m (-10.0 ft)	kg lb	*13340 *29410	*13340 *29410	*12280 *27070	12180 26850	*8430 *18580	6040 13320	*6110 *13470	3890 8580				*4360 *9610	3190 7030	7.12 (23.4)
-4.5 m (-15.0 ft)	kg lb			*9840 *21690	*9840 *21690	*6850 *15100	6300 13890								

1. Lifting capacity are 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.



Lifting capacities R210LC-7

















Rating over-front


















Rating over-side or 360 degree

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³) PCSA 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	7.72 (25.3)
6.0 m (20.0 ft)	kg lb												*3210 *7080	2530 5580	8.69 (28.5)
4.5 m (15.0 ft)	kg lb							*3770 *8310	*3770 *8310	*3590 *7910	3210 7080	*3340 *7360	2170 4780	9.27 (30.4)	
3.0 m (10.0 ft)	kg lb			*9160 *20190	*9160 *20190	*5760 *12700	*5760 *12700	*4530 *9990	4490 9900	*3950 *8710	3070 6770	*3490 *7690	1980 4370	9.55 (31.3)	
1.5 m (5.0 ft)	kg lb			*8660 *19090	*8660 *19090	*7430 *16380	6550 14330	*5380 *11860	4180 9220	*4390 *9680	2910 6420	3440 7580	1930 4250	9.54 (31.3)	
Ground Line	kg lb			*9310 *20530	*9310 *20530	*8550 *18850	6100 13450	*6060 *13360	3950 8710	*4770 *105520	2780 6130	3580 7890	2000 4410	9.26 (30.4)	
-1.5 m (-5.0 ft)	kg lb	*8550 *18850	*8550 *18850	*12160 *26810	11830 26080	*8950 *19730	5940 13100	*6400 *14110	3820 8420	4870 10740	2720 6000	3970 8750	2230 4920	8.67 (28.4)	
-3.0 m (-10.0 ft)	kg lb	*11700 *25790	*11700 *25790	*13020 *28700	11990 26430	*8680 *19140	5960 13140	*6280 *13850	3820 8420			*4230 *9330	2770 6110	7.69 (25.2)	
-4.5 m (-15.0 ft)	kg lb			*11040 *24340	*11040 *24340	*7560 *16670	6130 13510					*4140 *9130	*4140 *9130	6.09 (20.0)	

• Boom : 5.68m (18' 8") • Arm : 3.9 m (12' 9") • Bucket : 0.92 m³ (1.20 yd³) PCSA 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		Reach	
																	m (ft)
9.0 m (30.0 ft)	kg lb														*2590 *5710	*2590 *5710	7.66 (25.1)
7.5 m (25.0 ft)	kg lb									*1870 *4120	*1870 *4120				*2640 *5820	2470 5450	8.94 (29.3)
6.0 m (20.0 ft)	kg lb									*2670 *5890	*2670 *5890				*2720 *6000	2010 4430	9.77 (32.1)
4.5 m (15.0 ft)	kg lb									*2910 *6420	*2910 *6420	*1930 *4250	*1930 *4250		*2830 *6240	1750 3860	10.28 (33.7)
3.0 m (10.0 ft)	kg lb							*3710 *8180	*3710 *8180	*3340 *7360	3130 6900	*2750 *6060	2190 4830		2940 6480	1610 3550	10.52 (34.5)
1.5 m (5.0 ft)	kg lb			*10430 *22990	*10430 *22990	*6230 *13730	*6230 *13730	*4640 *10230	4270 9410	*3860 *8510	2930 6460	*3260 *7190	2090 4610		2890 6370	1570 3460	10.52 (34.5)
Ground Line	kg lb	*4950 *10910	*4950 *10910	*9990 *22020	*9990 *22020	*7720 *17020	6170 13600	*5490 *12100	3960 8730	*4360 *9610	2760 6080	*3340 *7360	2000 4410		2970 6550	1610 3550	10.27 (33.7)
-1.5 m (-5.0 ft)	kg lb	*7060 *15560	*7060 *15560	*10980 *24210	*10980 *24210	*8560 *18870	5860 12920	*6070 *13380	3750 8270	*4710 *10380	2640 5820	*2240 *4940	1950 4300		3220 7100	1760 3880	9.75 (32.0)
-3.0 m (-10.0 ft)	kg lb	*9410 *20750	*9410 *20750	*13520 *29810	11550 25460	*8760 *19310	5760 12700	*6270 *13820	3670 8090	4750 10470	2600 5730				*3650 *8050	2080 4590	8.91 (29.2)
-4.5 m (-15.0 ft)	kg lb	*12210 *26920	*12210 *26920	*12480 *27510	11790 25990	*8250 *18190	5830 12850	*5920 *13050	3720 8200						*3770 *8310	2770 6110	7.62 (25.0)
6.0 m (20.0 ft)	kg lb			*9890 *21800	*9890 *21800	*6620 *14590	6110 13470										

1. Lifting capacity are 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.



Lifting capacities R210LC-7 High Chassis



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) PCSA 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
												m (ft)
7.5 m (25.0 ft)	kg lb									*3750 *8270	*3750 *8270	6.82 (22.4)
6.0 m (20.0 ft)	kg lb					*4170 *9190	*4170 *9190			*3810 *8400	*3810 *8400	7.88 (25.9)
4.5 m (15.0 ft)	kg lb	*8080 *17810	*8080 *17810	*5550 *12240	*5550 *12240	*4620 *10190	*4620 *10190			*3920 *8640	3280 7230	8.49 (27.9)
3.0 m (10.0 ft)	kg lb			*7170 *15810	*7170 *15810	*5330 *11750	*5330 *11750	*4540 *10010	3900 8600	*4070 *8970	3050 6720	8.75 (28.7)
1.5 m (5.0 ft)	kg lb			*8510 *18760	8290 18280	*6030 *13290	5350 11790	*4860 *10710	3790 8360	*4250 *9370	3020 6660	8.71 (28.6)
Ground Line	kg lb			*9050 *19950	8080 17810	*6470 *14260	5190 11440	*5050 *11130	3720 8200	*4430 *9770	3210 7080	8.36 (27.4)
-1.5 m (-5.0 ft)	kg lb	*12900 *28440	*12900 *28440	*8910 *19640	8070 17790	*6480 *14290	5150 11350			*4560 *10050	3710 8180	7.64 (25.1)
-3.0 m (-10.0 ft)	kg lb	*11370 *25070	*11370 *25070	*8040 *17730	*8040 *17730					*4470 *9850	*4470 *9850	6.41 (21.0)

• Boom : 5.68m (18' 8") • Arm : 2.4 m (7' 10") • Bucket : 0.92 m³ (1.20 yd³)PCSA 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)		Capacity		Reach
												m (ft)
7.5 m (25.0 ft)	kg lb									*3460 *7630	*3460 *7630	7.31 (24.0)
6.0 m (20.0 ft)	kg lb							*3780 *8330	*3780 *8330	*3530 *7780	3500 7720	8.30 (27.2)
4.5 m (15.0 ft)	kg lb					*5010 *11050	*5010 *11050	*4270 *9410	*4270 *9410	*3960 *8730	*3650 *8050	8.87 (29.1)
3.0 m (10.0 ft)	kg lb					*6640 *14640	*6640 *14640	*5020 *11070	*5020 *11070	*4290 *9460	3910 8620	9.12 (29.9)
1.5 m (5.0 ft)	kg lb					*8110 *17880	*8110 *17880	*5780 *12740	5350 11790	*4670 *10300	3770 8310	9.08 (29.8)
Ground Line	kg lb			*8830 *19470	*8830 *19470	*8870 *19550	8040 17730	*6310 *13910	5160 11380	*4940 *10890	3670 8090	8.75 (28.7)
-1.5 m (-5.0 ft)	kg lb	*9710 *21410	*9710 *21410	*13370 *29480	*13370 *29480	*8940 *19710	7970 17570	*6460 *14240	5090 11220	*4320 *9520	3360 7410	8.07 (26.5)
-3.0 m (-10.0 ft)	kg lb	*13920 *30690	*13920 *30690	*12060 *26590	*12060 *26590	*8310 *18320	8070 17790	*6000 *13230	5150 11350	*4350 *9590	4350 9590	6.94 (22.8)
-4.5 m (-15.0 ft)	kg lb			*9390 *20700	*9390 *20700	*6500 *14330	*6500 *14330					

1. Lifting capacity are 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.



Lifting capacities R210LC-7 High Chassis



Rating over-front



Rating over-side or 360 degree

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³)PCSA 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)		Capacity		Reach
												m (ft)
7.5 m (25.0 ft)	kg lb									*3130 *6900	*3130 *6900	7.87 (25.8)
6.0 m (20.0 ft)	kg lb									*2390 *5270	*2390 *5270	8.79 (28.8)
4.5 m (15.0 ft)	kg lb							*3850 *8490	*3850 *8490	*3620 *7980	*3620 *7980	9.32 (30.6)
3.0 m (10.0 ft)	kg lb			*9770 *21540	*9770 *21540	*5990 *13210	*5990 *13210	*4640 *10230	*4640 *10230	*4010 *8840	3950 8710	9.56 (31.4)
1.5 m (5.0 ft)	kg lb			*8460 *18650	*8460 *18650	*7610 *16780	*7610 *16780	*5470 *12060	5400 11900	*4450 *9810	3790 8360	9.52 (31.2)
Ground Line	kg lb			*9600 *21160	*9600 *21160	*8640 *19050	8080 17810	*6120 *13490	5170 11400	*4810 *10600	3670 8090	9.21 (30.2)
-1.5 m (-5.0 ft)	kg lb	*8930 *19690	*8930 *19690	*12600 *27780	*12600 *27780	*8950 *19730	7940 17500	*6420 *14150	5060 11160	*4940 *10890	3610 7960	8.57 (28.1)
-3.0 m (-10.0 ft)	kg lb	*12130 *26740	*12130 *26740	*12840 *28310	*12840 *28310	*8600 *18960	7980 17590	*6220 *13710	5070 11180			7.53 (24.7)
-4.5 m (-15.0 ft)	kg lb			*10670 *23520	*10670 *23520	*7320 *16140	*7320 *16140					

• Boom : 5.68m (18' 8") • Arm : 3.9 m (12' 9") • Bucket : 0.92 m³ (1.20 yd³)PCSA 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)		Capacity		Reach
												m (ft)
9.0 m (30.0 ft)	kg lb											
7.5 m (25.0 ft)	kg lb									*2100 *4630	*2100 *4630	9.06 (29.7)
6.0 m (20.0 ft)	kg lb							*2690 *5930	*2690 *5930			9.85 (32.3)
4.5 m (15.0 ft)	kg lb							*2960 *6530	*2960 *6530	*2060 *4540	*2060 *4540	10.32 (33.9)
3.0 m (10.0 ft)	kg lb							*3820 *8420	*3820 *8420	*3410 *7520	*3410 *7520	10.54 (34.6)
1.5 m (5.0 ft)	kg lb			*10900 *24030	*10900 *24030	*6450 *14220	*6450 *14220	*4760 *10490	*4760 *10490	*3930 *8660	3820 8420	10.50 (34.4)
Ground Line	kg lb	*5210 *11490	*5210 *11490	*9980 *22000	*9980 *22000	*7870 *17350	*7870 *17350	*5580 *12300	5180 11420	*4410 *9720	3640 8020	10.22 (33.5)
-1.5 m (-5.0 ft)	kg lb	*7340 *16180	*7340 *16180	*11230 *24760	*11230 *24760	*8620 *19000	7840 17280	*6120 *13490	4980 10980	*4740 *10450	3520 7760	9.67 (31.7)
-3.0 m (-10.0 ft)	kg lb	*9730 *21450	*9730 *21450	*13580 *29940	*13580 *29940	*8730 *19250	7760 17110	*6260 *13800	4910 10820	*4760 *10490	3490 7690	8.78 (28.8)
-4.5 m (-15.0 ft)	kg lb	*12610 *27800	*12610 *27800	*12250 *27010	*12250 *27010	*8120 *17900	7860 17330	*5820 *13830	4980 10980			7.41 (24.3)
6.0 m (20.0 ft)	kg lb			*9410 *20750	*9410 *20750	*6270 *13820	*6270 *13820					

1. Lifting capacity are 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.