

We build a better future



*Actual Product may vary from the above image

Robex CRAWLER EXCAVATOR

210-7

NEW 7 SERIES Robex 210-7



■ Some of the Photo may include optional equipment.



Built for Maximum Power, Performance, Reliability.

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

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



Visibility

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

Excellent ventilation

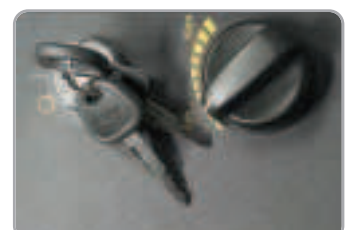
- Ventilation has been improved by the addition of the larger fresh air intake system, and by providing additional air flow throughout the cab.
- Sliding front and side windows provide improved ventilation.
- A large sunroof offers upward visibility and additional ventilation.

Comfortable operator environment

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

Low noise design

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



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

Operating Environment



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



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.



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 Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility.

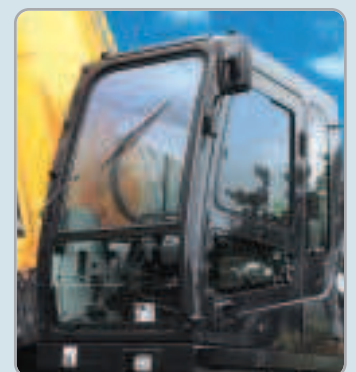
A full view front window and large rear and side windows provide excellent visibility in all directions.



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)

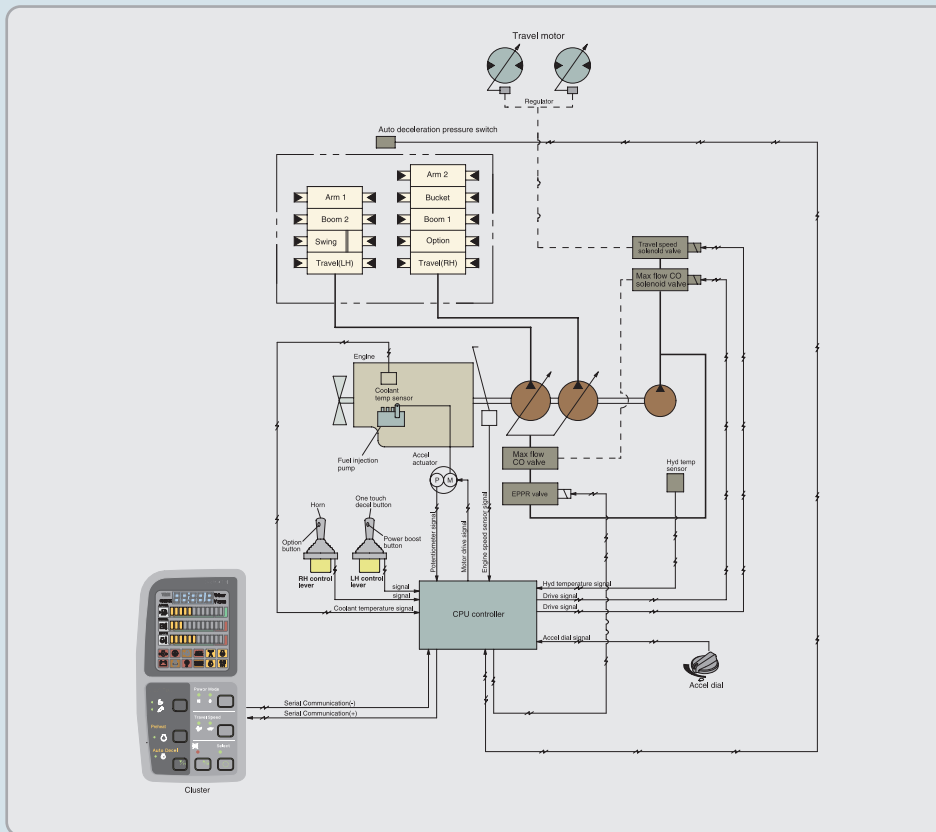


Rise-up Wiper and Cabin Lights

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

Advanced hydraulic system

Advanced capo system



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.

Feature such as auto deceleration is 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.

One Touch Deceleration



When the one touch deceleration button on top of LH joystick is pushed once, the engine rpm will be immediately down to low idle rpm.

Engine speed will be recovered to its preselected rpm in case the button is pushed once more.

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.

New mode control system



POWER MODE

H mode: High power
S mode: Standard power

WORK MODE

General work
Breaker

Anti Restart System

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

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 control ability & feeling by shock reducing when starting and stopping.

Increased higher performance

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.

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

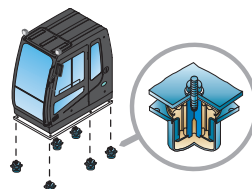
Improved shock absorbing characteristics make stopping a precise and smooth action



Minimization of Shock and Vibration through Cab Mounting System

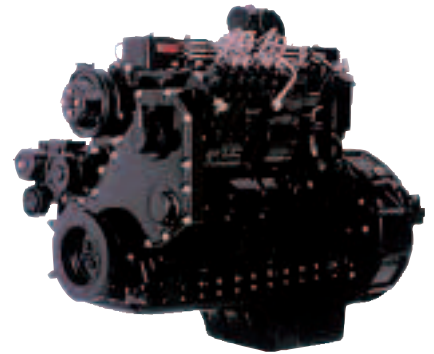
The application of Viscous Mounting to the cabin support provides the operator with a much improved ride.

The operator work efficiency will increase as the shock and noise level in the cabin decreases.



CUMMINS 6BT5.9-C ENGINE

The six cylinders, turbo-charged, 4 cycle, engine is built for power, reliability, economy.



A More Reliable Way To Reach You Dream.

The Cummins 6BT5.9-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 6BT5.9-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.



NEW 7 SERIES Robex 210-7



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

Reliability & Serviceability



Easy to maintain engine components

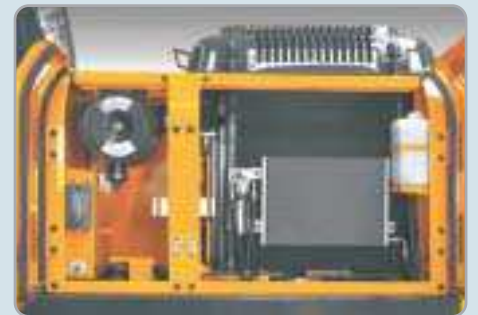
The cooling system is provided for optimum operation, guaranteeing longer life for the engine and hydraulic components.

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



Centralized Electric Control Box and Easy Change Air Cleaner Assembly

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



Side Cover with Left & Right Swing Open Type

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



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.

■ Some of the Photo may include optional equipment.

Specifications

Engine

Model			Cummins 6BT5.9-C
Type			Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged
Rated flywheel horse power	SAE	J1995 (gross)	140HP (104kW) / 2,000rpm
		J1349 (net)	133HP (99kW) / 2,000rpm
	DIN	6271/1 (gross)	142PS (104kW) / 2,000rpm
		6271/1 (net)	135PS (99kW) / 2,000rpm
Max. torque			571 Nm(421 lbf-ft) / 1,300rpm
Bore x stroke			102mm (4.02in) x 120mm(4.72in)
Piston displacement			5,880cc (359 in³)
Batteries			2 x 12V x 100AH
Starting motor			24V, 4.5kw
Alternator			24V, 75Amp

Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 x 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 (4,690 psi)
Travel	330 kgf/cm² (4,690 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 x rod x stroke	Boom: 2-120 x 85 x 1,290 mm (4.7" x 3.3" x 50.8")
	Arm: 1-140 x 100 x 1,510 mm (5.5" x 3.9" x 59.4")
	Bucket: 1-125 x 85 x 1,055 mm (4.9" x 3.3" x 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

Control

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatiguelless 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	One light 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	11.0 rpm

Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	340	89.8	74.8
Engine coolant	35	9.2	7.7
Engine oil	15	3.9	3.3
Swing device	5	1.3	1.1
Final drive(each)	STD/HC	2	1
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	46
No. of carrier roller on each side	2
No. of track roller on each side	7
No. of rail guard on each side	1

Operating weight (approximate)

Operating weight, including 5,680mm (18' 8") boom, 2,400m (7' 10") arm, SAE heaped 0.92m³ (1.20 yd³) backhoe bucket, lubricant, coolant, fuel tank, hydraulic tank and the standard equipment.

Major component weight

Upperstructure	5,850kg (12,900lb)
Counterweight	3,800kg (8,380lb)
Boom (with Arm cylinder)	1,950kg (4,300lb)

Operating weight

Shoes		Operating weight		Ground pressure
Type	Width mm	kg		kgf/cm²
Triple grouser	※ 500 mm	R210-7	20,360	0.54
	600 mm	R210-7	20,700	0.47
	700 mm	R210-7	20,950	0.41
	800 mm	R210-7	21,200	0.36

※ Standard equipment

Backhoe attachment



Buckets



SAE heaped
m³ (yd³) 0.51 (0.67)



0.80 (1.05)
※ 0.92 (1.20)



1.10 (1.44)



▲ 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)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	※5,680 (18' 8")			
					Arm	2,000 (6' 7")	※2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
0.51(0.67)	0.45(0.59)	700(27.6)	820(32.3)	570(1260)		●	●	●	●
0.80(1.05)	0.70(0.92)	1000(39.4)	1120(44.1)	700(1540)		●	●	●	■
※0.92(1.20)	0.80(1.05)	1150(45.3)	1270(50.0)	770(1700)		●	●	■	▲
1.10(1.44)	0.96(1.26)	1320(52.0)	1440(56.7)	830(1830)		■	▲	▲	—
▲0.74(0.97)	0.65(0.85)	985(38.8)	-	770(1700)		●	●	●	▲
▲0.90(1.18)	0.80(1.05)	1070(42.0)	-	810(1790)		●	●	■	—
▲1.05(1.37)	0.92(1.20)	1290(50.8)	-	890(1960)		■	▲	—	—
●0.87(1.14)	0.75(0.98)	1140(44.9)	-	900(1980)		●	●	■	—
★0.75(0.98)	0.65(0.85)	1790(70.5)	-	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 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"), 3.90m (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)	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)	990 (2,180)	1,200 (2,650)	
Bucket digging force	SAE	kN kgf lbf	133.4 13600 29980	133.4 13600 29980	133.4 13600 29980	133.4 13600 29980	
	ISO	kN kgf lbf	152.0 15500 34170	152.0 15500 34170	152.0 15500 34170	152.0 15500 34170	
Arm crowd force	SAE	kN kgf lbf	135.3 13800 30420	112.8 11500 25350	97.1 9900 21830	79.4 8100 17860	
	ISO	kN kgf lbf	142.2 14500 31970	117.7 12000 26460	101.0 10300 22710	85.3 8700 19180	

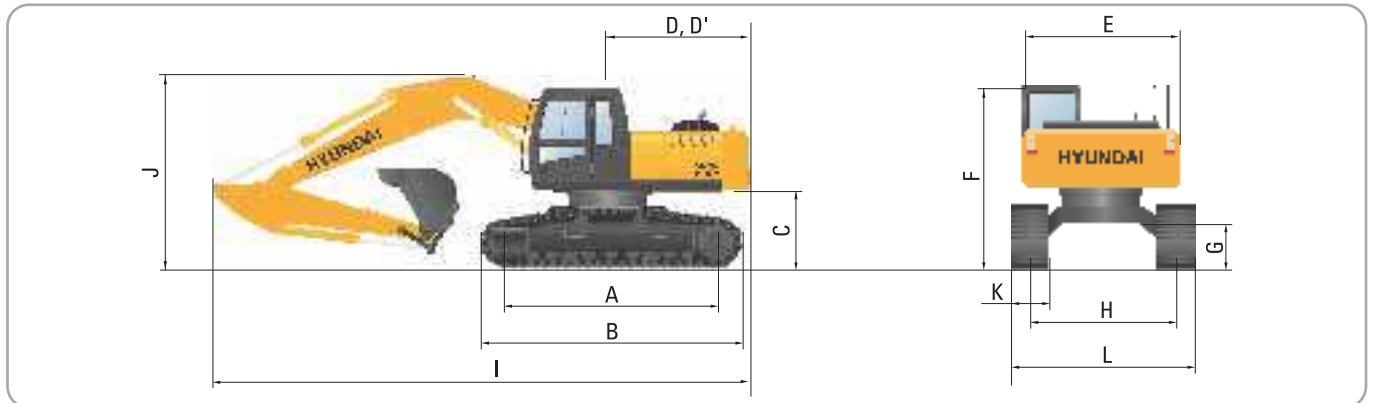
Note : Arm weight including bucket cylinder and linkage.

※ Standard arm

Dimensions & Working ranged



Dimensions R210-7



mm (ft · in)

A	Tumbler distance	3,370 (11' 1")
B	Overall length of crawler	4,160 (13' 8")
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	2,200 (7' 3")

mm (ft · in)

	Boom length	※5,680 (18' 8")			
	Arm length	2,000 (6' 7")	※2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
I	Overall length	9,650 (31' 8")	9,570 (31' 5")	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")

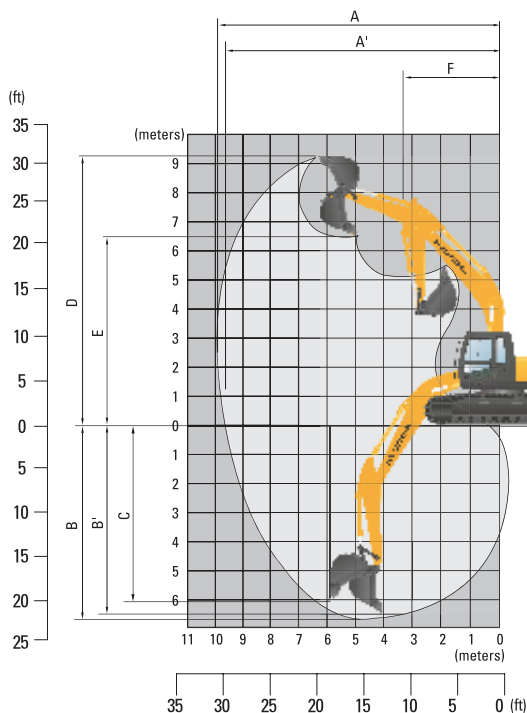
K	Track shoe width	※500 (20")	600 (24")	700 (28")	800 (32")
L	Overall width	2,700 (8' 10")	2,800 (9' 2")	2,900 (9' 6")	3,000 (9' 10")

※ Standard Equipment

3,090



Working ranges R210-7



mm (ft · in)

	Boom length	※5,680 (18' 8")			
	Arm length	2,000 (6' 7")	※2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A	Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,940 (32' 7")	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")
B	Max. digging depth	5,820 (19' 1")	6,220 (20' 5")	6,740 (22' 1")	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")
C	Max. vertical wall digging depth	5,280 (17' 4")	5,720 (18' 9")	6,120 (20' 1")	7,240 (23' 9")
D	Max. digging height	9,140 (30' 0")	9,340 (30' 8")	9,470 (31' 1")	10,110 (33' 2")
E	Max. dumping height	6,330 (20' 9")	6,520 (21' 5")	6,670 (21' 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")

※ Standard Equipment

Lifting Capacities



Lifting capacities R210-7



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) SAE heaped • Shoe : 500mm(20") 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 *8270
6.0 m (20.0 ft)	kg lb					*4150 *9150	*4150 *9150			*3800 *8380	2900 6390
4.5 m (15.0 ft)	kg lb			*5360 *11820	*5360 *11820	*4540 *10010	4420 9740			*3910 *8620	2420 5340
3.0 m (10.0 ft)	kg lb			*6970 *15370	6520 14370	*5240 *11550	4160 9170	*4500 *9920	2850 6280	3830 8440	2200 4850
1.5 m (5.0 ft)	kg lb			*8380 *18470	6000 13230	*5950 *13120	3910 8620	4790 10560	2740 6040	3770 8310	2150 4740
Ground Line	kg lb			*9020 *19890	5770 12720	*6430 *14180	3740 8250	4700 10360	2660 5860	3980 8770	2260 4980
-1.5 m (-5.0 ft)	kg lb	*13020 *28700	11600 25570	*8960 *19750	5740 12650	*6510 *14350	3690 8140			*4550 *10030	2610 5750
-3.0 m (-10.0 ft)	kg lb	*11620 *25620	*11620 *25620	*8210 *18100	5850 12900	*5910 *13030	3780 8330			*4510 *9940	3470 7650
-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) SAE heaped • Shoe : 500mm(20") 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)	
7.5 m (25.0 ft)	kg lb									*3450 *7610	*3450 *7610
6.0 m (20.0 ft)	kg lb							*3750 *8270	*3750 *8270	*3520 *7760	2630 5800
4.5 m (15.0 ft)	kg lb							*4190 *9240	*4190 *9240	*3940 *8690	2970 6550
3.0 m (10.0 ft)	kg lb					*6420 *14150	*6420 *14150	*4920 *10850	4190 9240	*4240 *9350	2860 6310
1.5 m (5.0 ft)	kg lb					*7960 *17550	6040 13320	*5690 *12540	3910 8620	*4620 *10190	2720 6000
Ground Line	kg lb			*8300 *18300	*8300 *18300	*8820 *19440	5730 12630	*6260 *13800	3710 8180	4670 10300	2620 5780
-1.5 m (-5.0 ft)	kg lb	*9220 *20330	*9220 *20330	*12750 *28110	11370 25070	*8970 *19780	5650 12460	*6460 *14240	3630 8000		
-3.0 m (-10.0 ft)	kg lb	*13340 *29410	*13340 *29410	*12280 *27070	11580 25530	*8430 *18580	5730 12630	*6110 *13470	3670 8090		
-4.5 m (-15.0 ft)	kg lb			*9840 *21690	*9840 *21690	*6850 *15100	5980 13180				

• Boom : 5.68m (18' 8") • Arm : 2.92 m (9' 7") • Bucket : 0.92 m³ (1.20 yd³) SAE heaped • Shoe : 500mm(20") 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)	
7.5 m (25.0 ft)	kg lb									*3120 *6880	3080 6790
6.0 m (20.0 ft)	kg lb									*3210 *7080	2390 5270
4.5 m (15.0 ft)	kg lb							*3770 *8310	*3770 *8310	*3590 *7910	3040 6700
3.0 m (10.0 ft)	kg lb			*9160 *20190	*9160 *20190	*5760 *12700	*5760 *12700	*4530 *9990	4270 9410	*3950 *8710	2900 6390
1.5 m (5.0 ft)	kg lb			*8660 *19090	*8660 *19090	*7430 *16380	6180 13620	*5380 *11860	3960 8730	*4390 *9680	2750 6060
Ground Line	kg lb			*9310 *20530	*9310 *20530	*8550 *18850	5780 12740	*6060 *13360	3730 8220	4670 10300	2620 5780
-1.5 m (-5.0 ft)	kg lb	*8550 *18850	*8550 *18850	*12160 *26810	11240 24780	*8950 *19730	5630 12410	*6400 *14110	3610 7960	4590 10120	2560 5640
-3.0 m (-10.0 ft)	kg lb	*11700 *25790	*11700 *25790	*13020 *28700	11400 25130	*8680 *19140	5640 12430	*6280 *13850	3600 7940		
-4.5 m (-15.0 ft)	kg lb			*11040 *24340	*11040 *24340	*7560 *16670	5820 12830				

Lifting Capacities

• **Boom** : 5.68m (18' 8") • **Arm** : 3.9 m (12' 9") • **Bucket** : 0.92 m³ (1.20 yd³) SAE heaped • **Shoe** : 500mm(20") 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	2340 5160	8.94 (29.3)
6.0 m (20.0 ft)	kg lb									*2670 *5890	*2670 *5890			*2720 *6000	1890 4170	9.77 (32.1)
4.5 m (15.0 ft)	kg lb									*2910 *6420	*2910 *6420	*1930 *4250	*1930 *4250	*2830 *6240	1640 3620	10.28 (33.7)
3.0 m (10.0 ft)	kg lb							*3710 *8180	*3710 *8180	*3340 *7360	2970 6550	*2750 *6060	2060 4540	2760 6080	1500 3310	10.52 (34.5)
1.5 m (5.0 ft)	kg lb			*10430 *22990	*10430 *22990	*6230 *13730	*6230 *13730	*4640 *10230	4050 8930	*3860 *8510	2770 6110	*3260 *7190	1960 4320	2710 5970	1460 3220	10.52 (34.5)
Ground Line	kg lb	*4950 *10910	*4950 *10910	*9990 *22020	*9990 *22020	*7720 *17020	5850 12900	*5490 *12100	3740 8250	*4360 *9610	2600 5730	*3340 *7360	1870 4120	2790 6150	1490 3280	10.27 (33.7)
-1.5 m (-5.0 ft)	kg lb	*7060 *15560	*7060 *15560	*10980 *24210	10970 24180	*8560 *18870	5540 12210	*6070 *13380	3540 7800	4520 9960	2470 5450	*2240 *4940	1820 4010	3030 6680	1640 3620	9.75 (32.0)
-3.0 m (-10.0 ft)	kg lb	*9410 *20750	*9410 *20750	*13520 *29810	10960 24160	*8760 *19310	5440 11990	*6270 *13820	3460 7630	4470 9850	2430 5360			3530 7780	1940 4280	8.91 (29.2)
-4.5 m (-15.0 ft)	kg lb	*12210 *26920	*12210 *26920	*12480 *27510	11190 24670	*8250 *18190	5520 12170	*5920 *13050	3500 7720					*3770 *8310	2610 5750	7.62 (25.0)
-6.0 m (-20.0 ft)	kg lb			*9890 *21800	*9890 *21800	*6620 *14590	5790 12760									

• **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 (8,308lb) 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	2910 6420	7.78 (25.5)
4.5 m (15.0 ft)	kg lb			*5360 *11820	*5360 *11820	*4540 *10010	4440 9790			3620 7980	2430 5360	8.43 (27.7)
3.0 m (10.0 ft)	kg lb			*6970 *15370	6540 14420	*5240 *11550	4180 9220	4280 9440	2870 6330	3340 7360	2210 4870	8.74 (28.7)
1.5 m (5.0 ft)	kg lb			*8380 *18470	6020 13270	5930 13070	3920 8640	4160 9170	2750 6060	3280 7230	2160 4760	8.73 (28.6)
Ground Line	kg lb			*9020 *19890	5790 12760	5750 12680	3760 8290	4070 8970	2680 5910	3460 7630	2270 5000	8.42 (27.6)
-1.5 m (-5.0 ft)	kg lb	*13020 *28700	11630 25640	*8960 *19750	5760 12700	5690 12540	3710 8180			3960 8730	2620 5780	7.76 (25.5)
-3.0 m (-10.0 ft)	kg lb	*11620 *25620	*11620 *25620	*8210 *18100	5870 12940	5790 12760	3800 8380			*4510 *9940	3480 7670	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) SAE heaped • **Shoe** : 600mm(24") triple grouser with 3,800kg (8,308lb)

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	2640 5820	8.20 (26.9)
4.5 m (15.0 ft)	kg lb							*4190 *9240	*4190 *9240	*3940 *8690	2990 6590		3350 7390	2230 4920	8.82 (28.9)
3.0 m (10.0 ft)	kg lb					*6420 *14150	*6420 *14150	*4920 *10850	4210 9280	*4240 *9350	2870 6330		3090 6810	2030 4480	9.11 (29.9)
1.5 m (5.0 ft)	kg lb					*7960 *17550	6060 13360	*5690 *12540	3930 8660	4140 9130	2740 6040		3040 6700	1980 4370	9.10 (29.9)
Ground Line	kg lb			*8300 *18300	*8300 *18300	*8820 *19440	5760 12700	5720 12610	3730 8220	4040 8910	2640 5820		3180 7010	2070 4560	8.81 (28.9)
-1.5 m (-5.0 ft)	kg lb	*9220 *20330	*9220 *20330	*12750 *28110	11400 25130	*8970 *19780	5670 12500	5630 12410	3650 8050				3590 7910	2360 5200	8.18 (26.8)
-3.0 m (-10.0 ft)	kg lb	*13340 *29410	*13340 *29410	*12280 *27070	11620 25620	*8430 *18580	5750 12680	5680 12520	3690 8140				*4360 *9610	3030 6680	7.12 (23.4)
-4.5 m (-15.0 ft)	kg lb			*9840 *21690	*9840 *21690	*6850 *15100	6000 13230								

• **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 (8,308lb)

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											*3120 *6880	3090 6810	7.72 (25.3)
6.0 m (20.0 ft)	kg lb											*3210 *7080	2400 5290	8.69 (28.5)
4.5 m (15.0 ft)	kg lb							*3770 *8310	*3770 *8310	*3590 *7910	3060 6750	3090 6810	2050 4520	9.27 (30.4)
3.0 m (10.0 ft)	kg lb			*9160 *20190	*9160 *20190	*5760 *12700	*5760 *12700	*4530 *9990	4290 9460	*3950 *8710	2920 6440	2870 6330	1870 4120	9.55 (31.3)
1.5 m (5.0 ft)	kg lb			*8660 *19090	*8660 *19090	*7430 *16380	6200 13670	*5380 *11860	3980 8770	4170 9190	2760 6080	2810 6190	1820 4010	9.54 (31.3)
Ground Line	kg lb			*9310 *20530	*9310 *20530	*8550 *18850	5800 12790	5740 12650	3750 8270	4040 8910	2630 5800	2920 6440	1880 4140	9.26 (30.4)
-1.5 m (-5.0 ft)	kg lb	*8550 *18850	*8550 *18850	*12160 *26810	11270 24850	*8950 *19730	5650 12460	5610 12370	3620 7980	3970 8750	2570 5670	3240 7140	2110 4650	8.67 (28.4)
-3.0 m (-10.0 ft)	kg lb	*11700 *25790	*11700 *25790	*13020 *28700	11430 25200	*8680 *19140	5660 12480	5600 12350	3620 7980			3970 8750	2620 5780	7.69 (25.2)
-4.5 m (-15.0 ft)	kg lb			*11040 *24340	*11040 *24340	*7560 *16670	5840 12870					*4140 *9130	3970 8750	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 :** 600mm(24") triple grouser with 3,800kg (8,308lb)

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)		Reach
														m (ft)
9.0 m (30.0 ft)	kg lb												*2590 *5710	7.66 (25.1)
7.5 m (25.0 ft)	kg lb									*1870 *4120	*1870 *4120		*2640 *5820	8.94 (29.3)
6.0 m (20.0 ft)	kg lb									*2670 *5890	*2670 *5890		*2720 *6000	9.77 (32.1)
4.5 m (15.0 ft)	kg lb									*2910 *6420	*2910 *6420	*1930 *4250	2550 5620	10.28 (33.7)
3.0 m (10.0 ft)	kg lb							*3710 *8180	*3710 *8180	*3340 *7360	2980 6570	*2750 *6060	2070 4560	10.52 (34.5)
1.5 m (5.0 ft)	kg lb			*10430 *22990	*10430 *22990	*6230 *13730	*6230 *13730	*4640 *10230	4070 8970	*3860 *8510	2780 6130	3060 6750	1970 4340	10.52 (34.5)
Ground Line	kg lb	*4950 *10910	*4950 *10910	*9990 *22020	*9990 *22020	*7720 *17020	5870 12940	*5490 *12100	3760 8290	4020 8860	2610 5750	2960 6530	1880 4140	10.27 (33.7)
-1.5 m (-5.0 ft)	kg lb	*7060 *15560	*7060 *15560	*10980 *24210	*10980 *24210	*8560 *18870	5560 12260	5540 12210	3550 7830	3890 8580	2490 5490	*2240 *4940	1830 4030	9.75 (32.0)
-3.0 m (-10.0 ft)	kg lb	*9410 *20750	*9410 *20750	*13520 *29810	11000 24250	*8760 *19310	5470 12060	5450 11020	3470 7650	3840 8470	2450 5400		3050 6720	8.91 (29.2)
-4.5 m (-15.0 ft)	kg lb	*12210 *26920	*12210 *26920	*12480 *27510	11230 24760	*8250 *18190	5540 12210	5500 12130	3520 7760				*3770 *8310	7.62 (25.0)
-6.0 m (-20.0 ft)	kg lb			*9890 *21800	*9890 *21800	*6620 *14590	5810 12810							

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.



Robex 210-7

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
- Rear open window
- Fan
- Accessory box & Ashtray

Computer Aided Power Optimization (New CAPO) system

- 2-power mode, 2-work mode
- Auto deceleration & one touch deceleration system
- Auto overheat prevention system

Self diagnostic system

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
 - Preheat & Engine warming-up
 - One touch decel

Tool kit

- Cabin front protector
- Door and cab locks, one key
- One outside rearview mirror
- Fully adjustable suspension seat
- Slidable joystick, pilot-operated
- Console box tilting system(LH.)
- Two 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
- Fuel pre-filter
- Boom holding system
- Arm holding system
- Counterweight (3800kg, 8380lb)
- Mono boom (5.68m, 18' 8")
- Arm (2.4m, 7' 10")
- Track shoes (500m)
- Track rail guard

Optional Equipment

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

Sun visor for cabin inside

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

Beacon lamp

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)

Various optional Arms

- Arm (2.00 m, 6' 7")
- Arm (2.92 m, 9' 7")
- Arm (3.90 m, 12' 9")

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)
- 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 bucket (0.87 m³, 1.14 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 lights

Track shoes

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

Operator suit

Engine emergency control cable

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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