



ROBEX 250LC-7

Standard Equipment

ISO standard cab

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

Computer Aided Power Optimization (New CAPO) system

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

Heater & Defroster

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

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

Door and cab locks, one key AM/FM radio and cassette

- Radio remote switch

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Slidable joystic, pilot-operated

Console box tilting system(LH.)

Three front working lights

Electric horn

Batteries (2 x 12V x 100 AH)

Battery master switch

Removable clean out screen for Hyd. oil cooler

Automatic swing brake

Removable reservoir tank

Water separator, fuel line

Boom holding system

Arm holding system

Counterweight (4600 kg, 10140 lb)

Mono boom (5.85 m, 19' 2")

Arm (3.05 m, 10' 0")

Track shoes (600 mm, 24")

Track rail guard

Optional Equipment

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

Sun visor for cabin inside

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

Beacon lamp

Safety lock valve for boom cylinder

with overload warning device

Safety lock valve for arm cylinder

Single acting piping kit (breaker, etc)

Double acting piping kit (cramshell, etc)

Accumulator, work equipment lowering

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

Electric transducer

Travel alarm

Various optional Arms

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

Various optional Buckets (PCSA heaped)

- Standard bucket (1.08 m³, 1.41 yd³)
- Narrow bucket (0.79 m³, 1.03 yd³)
- Narrow bucket (1.03 m³, 1.35 yd³)
- Light duty bucket (1.50 m³, 1.96 yd³)
- Heavy duty bucket (1.07 m³, 1.40 yd³)
- Heavy duty bucket (1.27 m³, 1.66 yd³)
- Heavy duty bucket (1.46 m³, 1.91 yd³)
- Rock bucket (1.16 m³, 1.52 yd³)

Cabin anti-vandalism kit

Cabin lights

Track shoes

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

Lower frame under cover

Pre heating system

Tool kit

Operator suit

Special cooling

- Air vent type side door

Low noise kit

Robex NEW 7 SERIES

250LC-7

250NLC-7

250LC-7 High-Chassis

Tier II Engine



CRAWLER EXCAVATOR

CUMMINS B5.9-C Engine :

133 kW/ 178 HP

Operating Weight :

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

Bucket Capacity, PCSA :

0.79 ~ 1.50 m³ (1.03 ~ 1.96 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 measurement rounded off to nearest pounds or inches.

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HYUNDAI
HEAVY INDUSTRIES CO., LTD.

Built for Maximum Power, Performance, Reliability.

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



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



Visibility

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



Excellent Ventilation

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



Comfortable Operator Environment

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



Low noise design

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

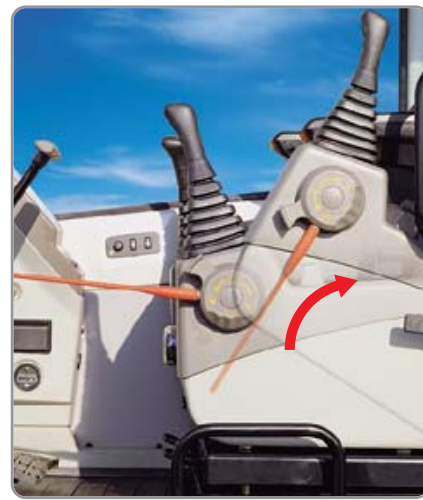


1 2 3
 1 Wide, Comfortable Operating Space 2 Steel Cover Sunroof 3 Dial Type Engine Speed Switch and Key Switch



Wide Cab with Excellent Visibility

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



Highly Sensitive Joystick and Easy Entrance

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



Easy-to-Reach Control Panels

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

Wide, Comfortable Operating Space

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



Remote Radio Control and Deluxe Cassette

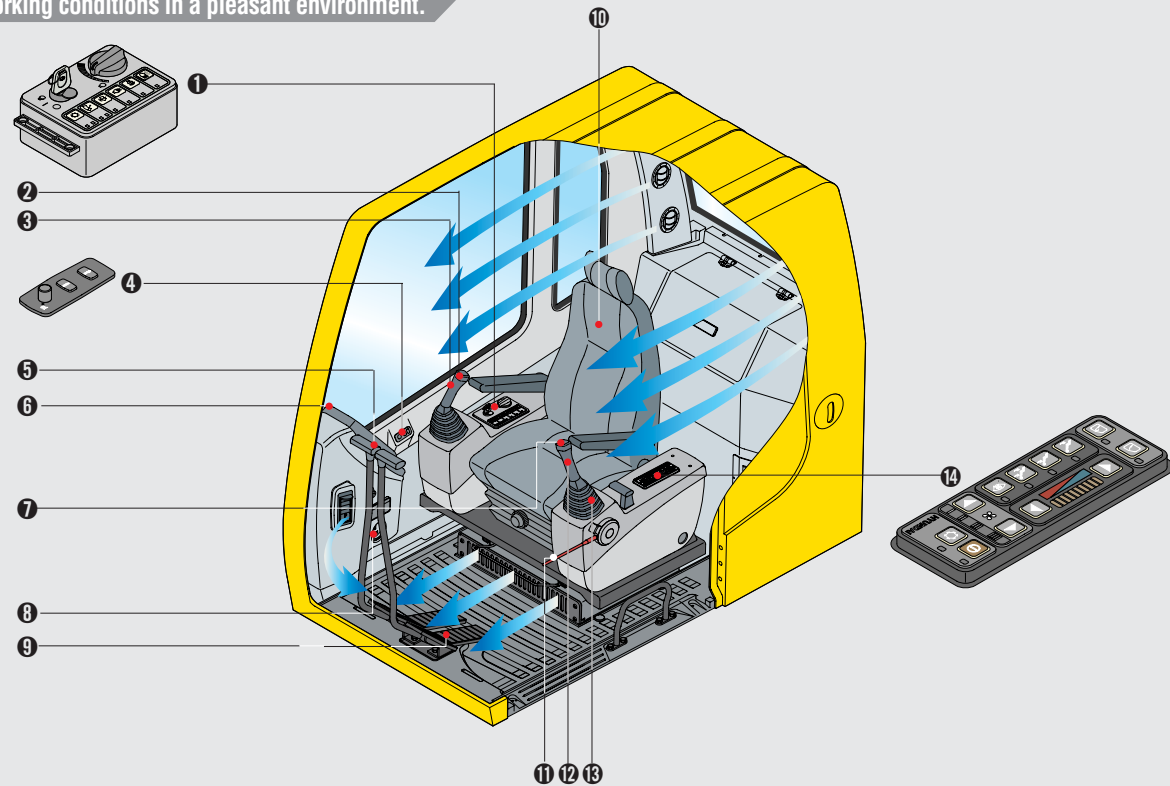


Rise-up Wiper and Cabin Lights

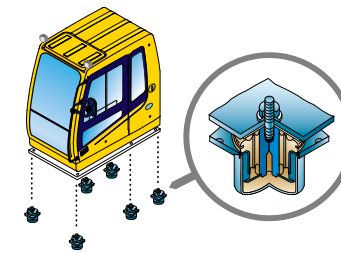
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)



The best working conditions in a pleasant environment.



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



Minimization of Shock and Vibration through Cab Mounting System

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

Improved Intelligent Display

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



Smooth Travel Pedal and Foot Rests



Rear Emergency Exit Window

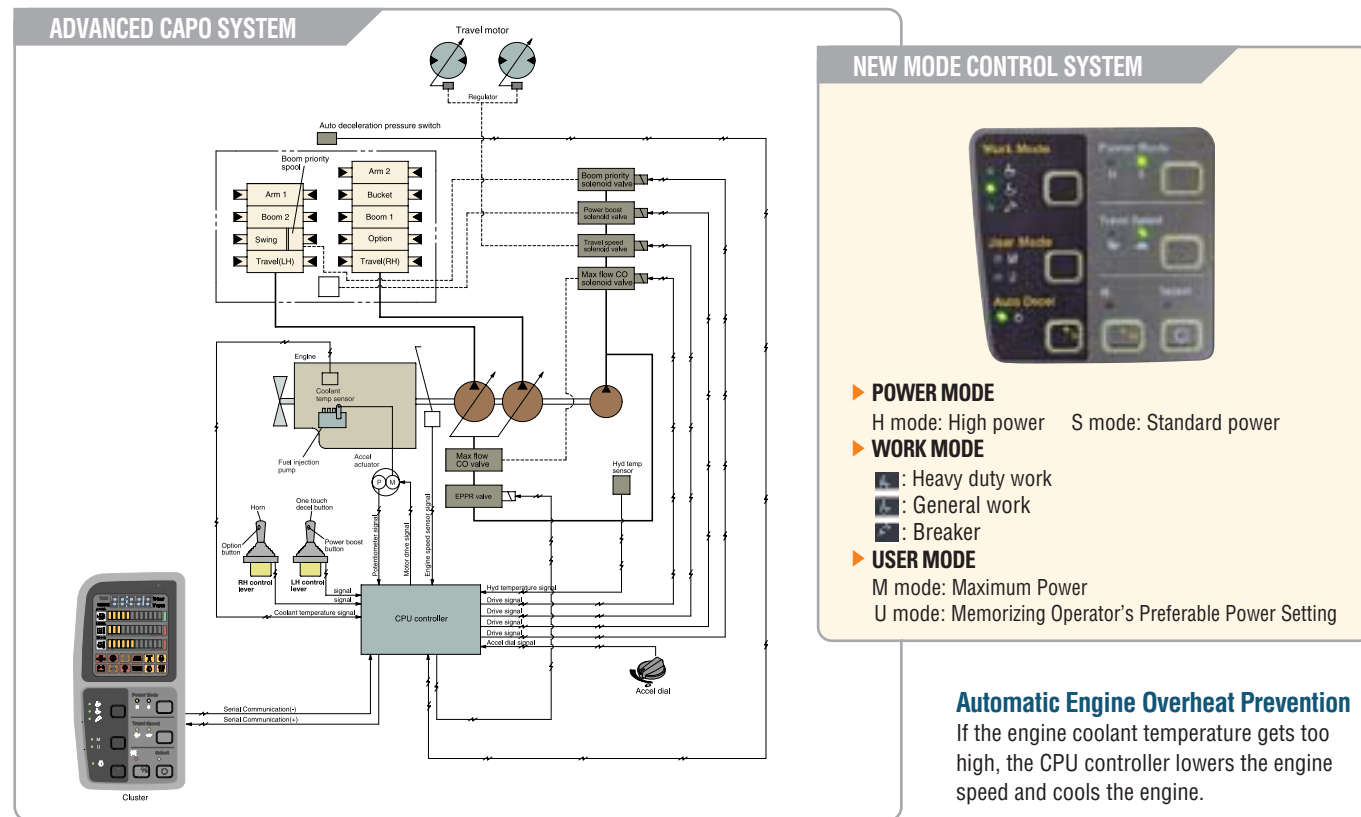
Rear Exit Window is designed with easy exit for operator's safety.



Hot & Cool Box

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





Advanced CAPO System

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

Self Diagnosis System

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

Arm Flow Regeneration System

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

Boom & Arm Holding System

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

Auto Deceleration System

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

One Touch Decel System

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

Max. Flow Cut-off System

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

Automatic Engine Overheat Prevention

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

Anti Restart System

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

Power boost control System

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

Automatic Warming-up System

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

Pump Flow Control System

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

Hydraulic Damper in Travel Pedal

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

CUMMINS B5.9-C ENGINE

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



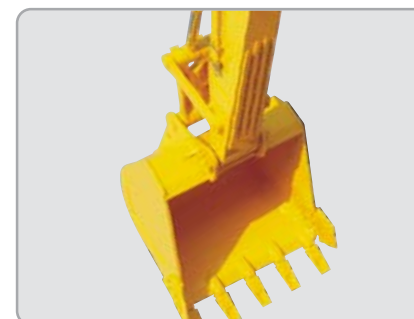
A More Reliable Way To Reach You Dream.

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

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

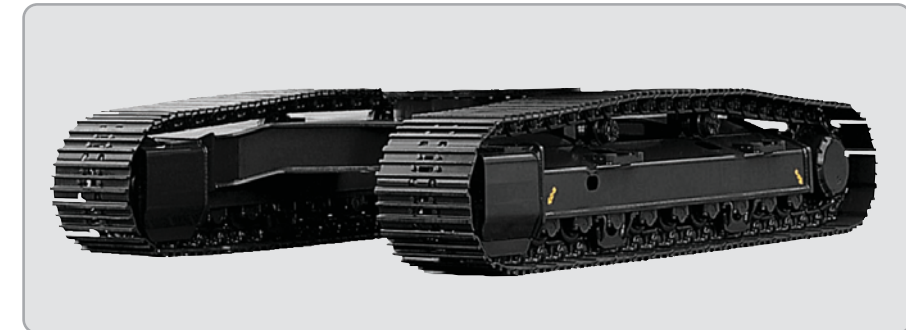
Reinforced Bucket and Bucket Linkage

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



Track Rail Guide & Adjusters

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



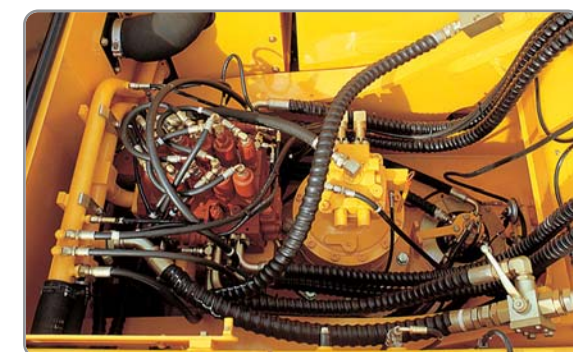
Strong and Stable Lower Frame

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



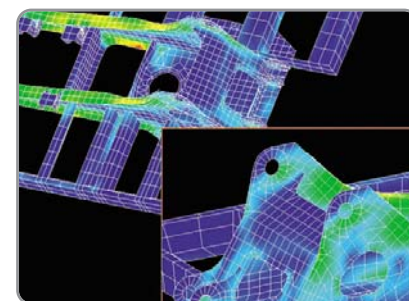
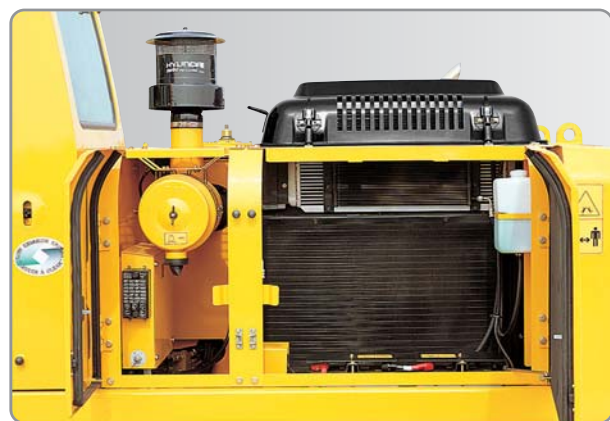
Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



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

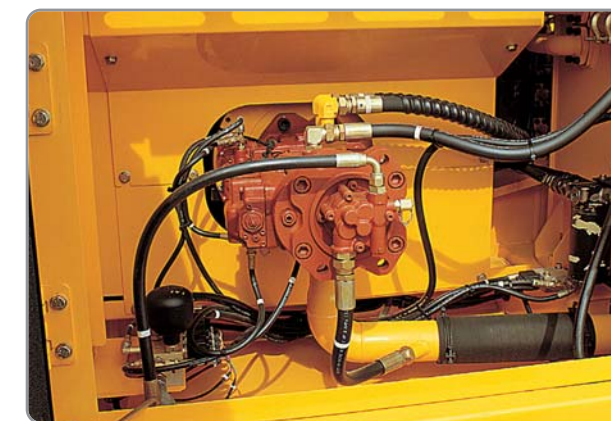
Handrails and foot steps are applied for safety



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



Large tool box for extra storage



Highly efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased.

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

Side Cover with Left & Right Swing Open Type

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



Centralized Electric Control Box and Easy Change Air Cleaner Assembly

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



Easy to maintain engine components

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

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

■ Photo may include optional equipment.

Engine

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

Hydraulic system

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

Drives & Brakes

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

Control

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

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

Swing system

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

Coolant & Lubricant capacity

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

Undercarriage

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

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

Operating weight (approximate)

Operating weight, including 5850mm (19' 2") boom, 3200m (10' 0") arm, PCSA heaped 1.08m³ (1.41 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

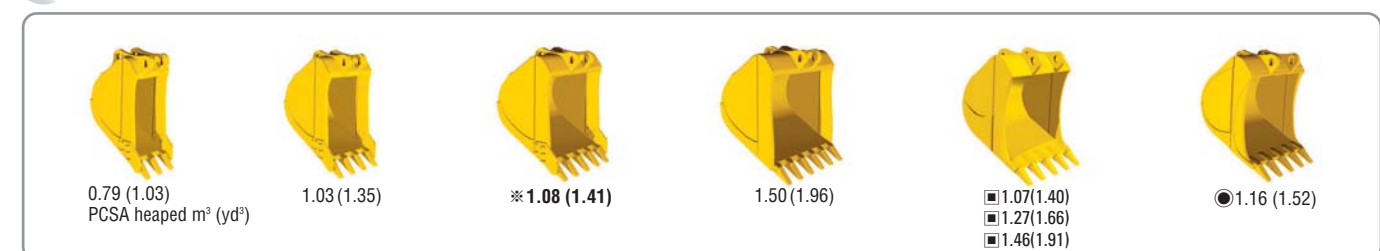
Major component weight	
Upperstructure	5520 kg (12170 lb)
Counterweight	4600 kg (10140 lb)
Boom (with Arm cylinder)	2280 kg (5030 lb)

Operating weight

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

* Standard equipment

Buckets



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

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

● : Applicable for materials with density of 2,000 kg / 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

Arms

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

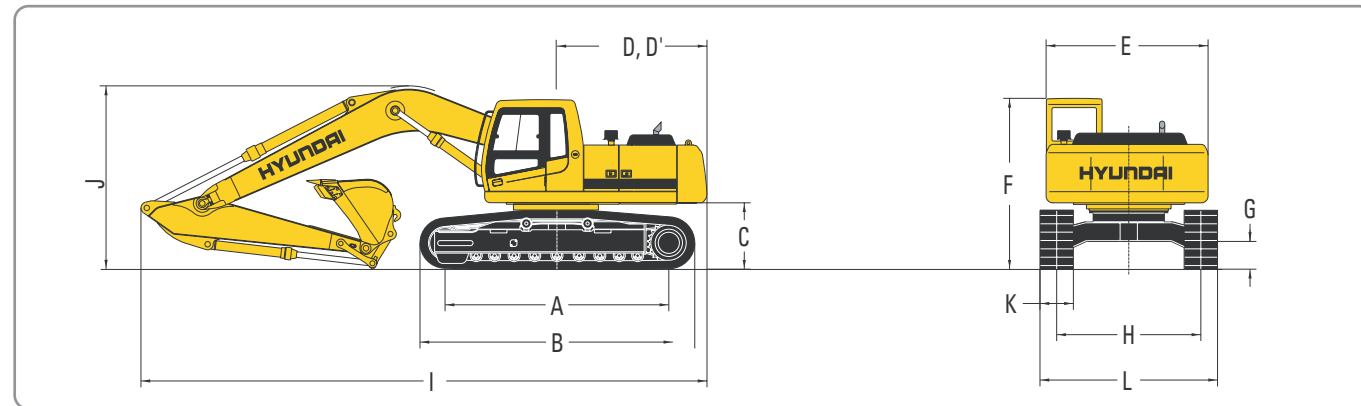


Digging force

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

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

Dimensions R250LC-7 / R250NLC-7

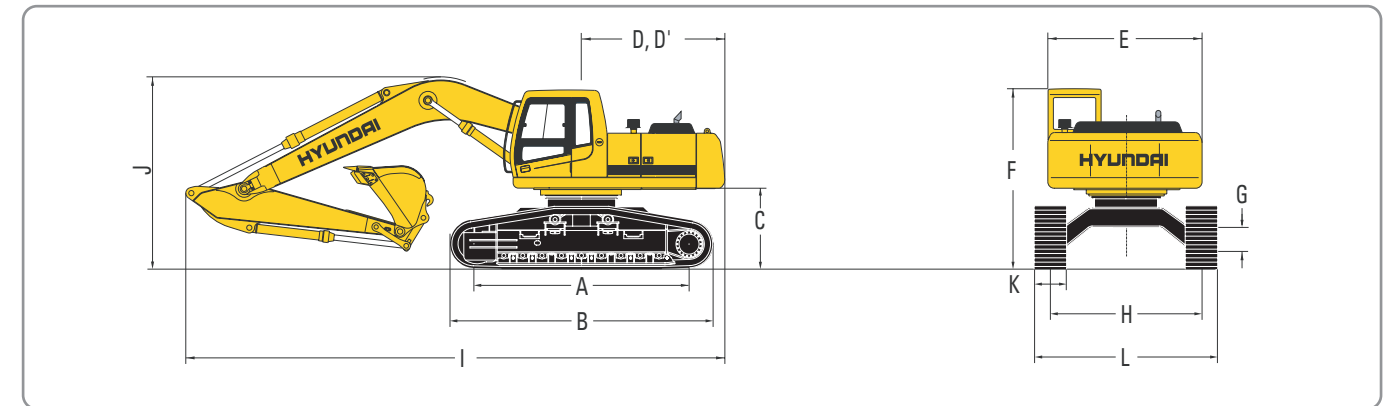


		mm (ft · in)	
A	Tumbler distance	R250LC-7 3830 (12' 7")	R250NLC-7 3830 (12' 7")
B	Overall length of crawler	4640 (15' 3")	
C	Ground clearance of counterweight	1115 (3' 8")	
D	Tail swing radius	2965 (9' 9")	
D'	Rear-end length	2840 (9' 5")	
E	Overall width of upperstructure	2980 (9' 4")	
F	Overall height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

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

※ Standard Equipment

Dimensions R250LC-7 High Chassis

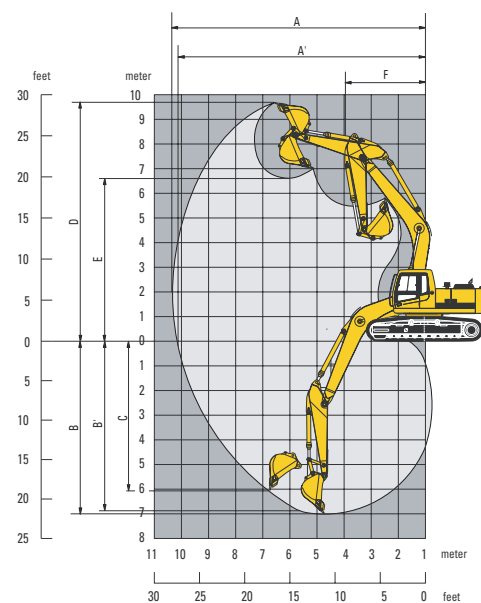


		mm (ft · in)	
A	Tumbler distance	4030 (13' 3")	
B	Overall length of crawler	4940 (16' 2")	
C	Ground clearance of counterweight	1470 (4' 10")	
D	Tail swing radius	2965 (9' 9")	
D'	Rear-end length	2870 (9' 5")	
E	Overall width of upperstructure	2840 (9' 4")	
F	Overall height of cab	3345 (10' 12")	
G	Min.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

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

※ Standard Equipment

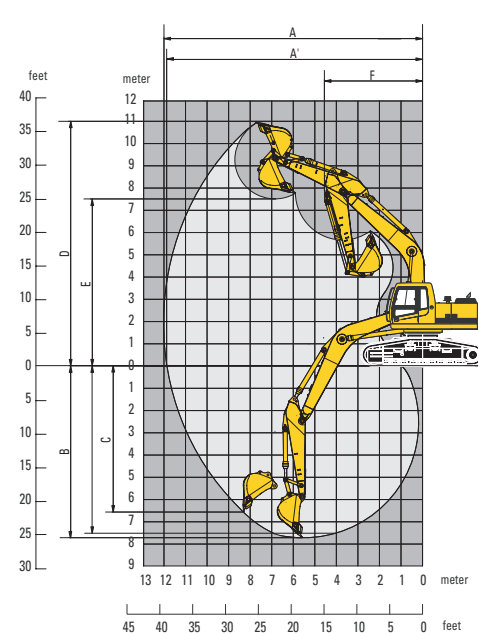
Working ranges R250LC-7 / R250NLC-7



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

※ Standard Equipment

Working ranges R250LC-7 High Chassis



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

※ Standard Equipment

Lifting capacities - R250LC-7

Rating over-front Rating over-side or 360 degree

• Boom : 5.85m (19' 2") • Arm : 2.10 m (6' 11") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140 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)
6.0 m (20.0 ft)	kg									5220	3200	8.32
	lb									11510	7050	(27.3)
4.5 m (15.0 ft)	kg			*7950	*7950	*6630	5570	6060	3690	4520	2710	8.91
	lb			*17530	*17530	*14620	12280	13360	8140	9960	5970	(29.2)
3.0 m (10.0 ft)	kg			*10440	8200	*7750	5190	5900	3550	4210	2480	9.17
	lb			*23020	18080	*17090	11440	13010	7830	9280	5470	(30.1)
1.5 m (5.0 ft)	kg			*12520	7520	8250	4850	5720	3380	4170	2430	9.14
	lb			*27600	16580	18190	10690	12610	7450	9190	5360	(30.0)
Ground Line	kg			13110	7250	8010	4640	5600	3270	4410	2580	8.80
	lb			28900	15980	17660	10230	12350	7210	9720	5690	(28.9)
-1.5 m (-5.0 ft)	kg	*15590	15160	13090	7230	7940	4580			5060	2990	8.13
	lb	*34370	33420	28860	15940	17500	10100			11160	6590	(26.7)
-3.0 m (-10.0 ft)	kg	*17410	15470	*12310	7390	8050	4680			*6420	3980	6.98
	lb	*38380	34110	*27140	16290	17750	10320			*14150	8770	(22.9)
-4.5 m (-15.0 ft)	kg	*13610	*13610	*9640	7790							
	lb	*30000	*30000	*21250	17170							

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

Load point height 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)	
6.0 m (20.0 ft)	kg											4900	3000	8.67
	lb											10800	6610	(28.4)
4.5 m (15.0 ft)	kg							*6190	5670	*5740	3770	4280	2550	9.23
	lb							*13650	12500	*12650	8310	9440	5620	(30.3)
3.0 m (10.0 ft)	kg					*9730	8410	*7350	5280	5950	3590	3990	2340	9.48
	lb					*21450	18540	*16200	11640	13120	7910	8800	5160	(31.1)
1.5 m (5.0 ft)	kg					*12000	7650	8310	4910	5750	3410	3950	2290	9.45
	lb					*26460	16870	18320	10820	12680	7520	8710	5050	(31.0)
Ground Line	kg					13150	7280	8030	4660	5600	3270	4150	2410	9.13
	lb					28990	16050	17700	10270	12350	7210	9150	5310	(30.0)
-1.5 m (-5.0 ft)	kg			*15230	14960	13050	7190	7910	4560	5550	3220	4690	2750	8.49
	lb			*33580	32980	28770	15850	17440	10050	12240	7100	10340	6060	(27.9)
-3.0 m (-10.0 ft)	kg	*16500	*16500	*18440	15250	*12700	7300	7970	4610			5940	3550	7.41
	lb	*36380	*36380	*40650	33620	*28000	16090	17570	10160			13100	7830	(24.3)
-4.5 m (-15.0 ft)	kg			*15140	*15140	*10620	7620							
	lb			*33380	*33380	*23410	16800							

• Boom : 5.85m (19' 82") • Arm : 3.05 m (10' 0") • Bucket : 1.08 m³ PCSA heaped • Shoe : 600mm(24") triple grouser with 4,600kg (10,140 lb) counterweight

Load point height m(ft)		Load radius								At max. reach				
		1.5 m (5.0 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)	
6.0 m (20.0 ft)	kg													9.22
	lb													(30.2)
4.5 m (15.0 ft)	kg							*5460	*5460	*5160	3830	3880	2280	9.74
	lb							*12040	*12040	*11380	8440	8550	5030	(32.0)
3.0 m (10.0 ft)	kg			*13880	*13880	*8560	*8560	*6670	5360	*5780	3620	3630	2090	9.98
	lb			*30600	*30600	*18870	*18870	*14700	11820	*12740	7980	8000	4610	(32.7)
1.5 m (5.0 ft)	kg			*9530	*9530	*11070	7800	*7970	4950	5750	3400	3580	2040	9.95
	lb			*21010	*21010	*24410	17200	*17570	10910	12680	7500	7890	4500	(32.6)
Ground Line	kg			*10660	*10660	*12720	7280	8010	4640	5560	3230	3730	2130	9.65
	lb			*23500	*23500	*28040	16050	17660	10230	12260	7120	8220	4700	(31.7)
-1.5 m (-5.0 ft)	kg	*10020	*10020	*13980	*13980	12930	7090	7830	4480	5460	3140	4150	2390	9.05
	lb	*22090	*22090	*30820	*30820	28510	15630	17260	9880	12040	6920	9150	5270	(29.7)
-3.0 m (-10.0 ft)	kg	*13650	*13650	*18590	14860	12960	7110	7820	4470			5080	2980	8.06
	lb	*30090	*30090	*40980	32760	28570	15670	17240	9850			11200	6570	(26.4)
-4.5 m (-15.0 ft)	kg	*17980	*17980	*16880	15340	*11570	7340	8020	4640			*6060	4480	6.48
	lb	*39640	*39640	*37210	33820	*25510	16180	17680	10230			*13360	9880	(21.3)

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.

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

Load point height 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)												
6.0 m (20.0 ft)	kg																										
	lb																										
4.5 m (15.0 ft)	kg														*4210	4040	9.77										
	lb														*9280	8910	(32.1)										
3.0 m (10.0 ft)	kg														*4620	3890	10.27										
	lb														*10190	8580	(33.7)										
1.5 m (5.0 ft)	kg														*3990	2550	10.49										
	lb														*8800	5620	(34.4)										
Ground Line	kg														*6010	5490	10.46										
	lb														*13250	12100	(30.0)										
-1.5 m (-5.0 ft)	kg	*9080	*9080	*13310	*13310	*12710	*12710	*10140	8040	*7400	5040	5790	3430	4210	2430	3260	1820	10.46									
	lb	*20020	*20020	*29340	*29340	*28020	*28020	*22350	17730	*16310	11110	12760	7560	9280	5360	7190	4010	(34.3)									
Ground Line	kg														*11110	*11110	*12150	7390	8070	4680	5570	3230	4090	2320	3380	1890	10.18
	lb														*24490	*24490	*26790	16290	17790	10320	12280	7120	9020	5110	7450	4170	(33.4)
-1.5 m (-5.0 ft)	kg	*9080	*9080	*13310	*13310	*12710	*12710	*10140	8040	*7400	5040	5790	3430	4210	2430	3260	1820	10.46									
	lb	*20020	*20020	*29340	*29340	*28020	*28020	*22350	17730	*16310	11110	12760	7560	9280	5360	7190	4010	(34.3)									
-3.0 m (-10.0 ft)	kg	*12220	*12220	*16960	14680	12880	7040	7750	4400	5390	3070							8.71									
	lb	*26940	*26940	*37390	32360	28400	15520	17090	9700	11880	6770							(28.6)									
-4.5 m (-15.0 ft)	kg	*15960	*15960	*18260	15050	*12250	7180	7850	4490									7.30									
	lb	*35190	*35190	*40260	33180	*27010	15830	17310	9900									(24.0)									

Lifting capacities - R250NLC-7

Rating over-front Rating over-side or 360 degree

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

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

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

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

Load point height 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)						
6.0 m (20.0 ft)	kg																		
	lb																		
4.5 m (15.0 ft)	kg									*7770	*7770	*6440	*6440	*5850	4600	5030	3140	9.32	
	lb									*17130	*17130	*14200	*14200	*12900	10140	11090	6920	(30.6)	
3.0 m (10.0 ft)	kg									*10330	10080	*7650	6380	*6430	4410	4790	2950	9.50	
	lb									*22770	22220	*16870	14070	*14180	9720	10560	6500	(31.2)	
1.5 m (5.0 ft)	kg									*12400	9390	*8780	6020	*8780	4230	4810	2940	9.40	
	lb									*27340	20700	*19360	13270	*15120	9330	10600	6480	(30.8)	
Ground Line	kg									*13360	9090	*9520	5800	*9520	6730	4110	5120	3140	9.01
	lb									*29450	20040	*20990	12790	14840	9060	11290	6920	(29.6)	
-1.5 m (-5.0 ft)	kg	*12220	*12220	*16770	*16770	*13340	9050	9560	5730	*13340	9050	9560	5730	5900	3640	5900	3640	8.28	
	lb	*26940	*26940	*36970	*36970	*29410	19950	21080	12630	*29410	19950	21080	12630	13010	8020	13010	8020	(27.2)	
-3.0 m (-10.0 ft)	kg	*17990	*17990	*17840	*17840	*12370	9210	*9020	5830	*17840	9210	*9020	5830	*6400	4810	*6400	4810	7.07	
	lb	*39660	*39660	*39330	*39330	*27270	20300	*19890	12850	*39330	20300	*19890	12850	*14110	10600	*14110	10600	(23.2)	
-4.5 m (-15.0 ft)	kg									*13960	*13960	*9750	9610						
	lb									*30780	*30780	*21500	21190						

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

Load point height 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)
6.0 m (20.0 ft)	kg														
	lb														
4.5 m (15.0 ft)	kg														
	lb														
3.0 m (10.0 ft)	kg														
	lb														
1.5 m (5.0 ft)	kg														
	lb														
Ground Line	kg														
	lb														
-1.5 m (-5.0 ft)	kg	*9080	*9080	*13310	12560	12890	6250	7790	3950	5400	2730	3690	1830	9.62	
	lb	*20020	*20020	*29340	27690	28420	13780	17170	8710	11900	6020	8140	4030	(31.6)	
-3.0 m (-10.0 ft)	kg	*12220	*12220	*16960	12660	12820	6190	7710	3880	4390	2240	4390	2240	8.71	
	lb	*26940	*26940	*37390	27910	28260	13650	17000	8550	11840	5950	9680	4940	(28.6)	
-4.5 m (-15.0 ft)	kg	*15960	*15960	*18260	13010	*12250	6330	7820	3970	*5900	3190	*5900	3190	7.30	
	lb	*35190	*35190	*40260	28680	*27010	13960	17240	8750	*13010	7030	*13010	7030	(24.0)	

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

Load point height 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)	
6.0 m (20.0 ft)	kg													
	lb													
4.5 m (15.0 ft)	kg													
	lb													
3.0 m (10.0 ft)	kg													
	lb													
1.5 m (5.0 ft)	kg													
	lb													
Ground Line	kg													
	lb													
-1.5 m (-5.0 ft)	kg	*10840	*10840	*14940	*14940	*13340	8920	9460	5640	6610	3990	5220	3180	8.85
	lb	*23900	*23900	*32940	*32940	*29410	19670	20860	12430	14570	8800	11510	7010	(29.0)
-3.0 m (-10.0 ft)	kg	*14600	*14600	*19040	*19040	*12790	9000	*9310	5660	6120	4040	6120	4040	7.76
	lb	*32190	*32190	*41980	*41980	*28200	19840	*20530	12480			*13490	8910	(25.5)
-4.5 m (-15.0 ft)	kg													
	lb													

Lifting capacities - R250LC-7High Chassis

Rating over-front Rating over-side or 360 degree

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

Load point height 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)			
6.0 m (20.0 ft)	kg													
	lb													
4.5 m (15.0 ft)	kg													
	lb													
3.0 m (10.0 ft)	kg													
	lb													
1.5 m (5.0 ft)	kg													
	lb													
Ground Line	kg													
	lb													
-1.5 m (-5.0 ft)	kg	*17660	*17660	*13180	9100	9590	5760	6380	3950	4070	3950	4070	7.91	
	lb	*38930	*38930	*29060	20060	21140	12700	14070	8710	14070	8710	14070	(26.0)	
-3.0 m (-10.0 ft)	kg	*16740	*16740	*11890	9310	*8600	5920	*6310	5420	*6310	5420	*6310	5420	6.61
	lb	*36910	*36											