HYUNDAI CRAWLER EXCAVATOR R250LC-3

Standard Equipment

ISO standard size cab
- All-weather steel cab with all-around visibility
- Safety glass windows
- Wide windshield wiper
- Sliding fold-in front window
- Sliding side window (LH)
- Lockable door

Computer Aided Power Optimization (CAPO) system
- Mode selection system
- Auto deceleration system
- Auto warm up system
- Auto overheat prevention system
- Power boost system

Adjustable suspension seat with seat belt
Heater (4800 kcal/hr/19050 BTU/hr), defroster
Removable clean out screen for radiator
Centralized monitoring
- LCD type tachometer
- Engine coolant temperature gauge
- Engine oil pressure light
- Air-cleaner clogging light
- Charging light
- Engine overheat light
- Fuel meter and light
- Mechanical type hourmeter
- Illuminator lights

Adjustable suspension seat with seat belt
Heater (4800 kcal/hr/19050 BTU/hr), defroster
Removable clean out screen for radiator
Centralized monitoring
- LCD type tachometer
- Engine coolant temperature gauge
- Engine oil pressure light
- Air-cleaner clogging light
- Charging light
- Engine overheat light
- Fuel meter and light
- Mechanical type hourmeter
- Illuminator lights

Optional Equipment

AM/ FM radio and cassette
Air- conditioner (4300 kcal/hr, 1760BTU/hr)
Sun visor for cabin inside
Fuel filler pump (36 *l* /min, 9.5 USgpm)
Rotary beacon
Safety lock valve for boom cylinder
Safety lock valve for adjust boom cylinder
Safety lock valve for arm cylinder
Single acting breaker piping kit
Double acting piping kit
Quick coupler piping kit
Accumulator, work equipment lowerling
Starting Aid, cold weather

Mass boom (5.3 m, 17' 5)
Vatious optional Arms
- Super short arm (2.10m, 6'11")
- Short arm (2.50m, 8' 2")
- Long arm (3.60m, 10' 0")

Vatious optional Buckets (PCSA heaped)
- Standard bucket(1.08m³, 1.41 yd³)
- Narrow bucket (0.79m3, 1.03yd³)
- Narrow bucket (1.03m3, 1.35yd³)
- Light duty bucket (1.27m3, 1.66 yd³)
- Light duty bucket (1.38m3, 1.80 yd³)
- Light duty bucket (1.50m3, 1.96 yd³)
- Rock bucket (1.03m3, 1.35yd³)

Bucket quick coupler kit
Cabin sun roof guard
- Anti-vandalism kit

Track shoes
- Triple grousers shoe (700mm, 27.6")
- Triple grousers shoe (800mm, 31.5")

Side cowl
- Louver type side door

Standard and optional equipment may vary. Consult your Hyundai dealer for more information.
The machine shown may vary according to territorial specification.

HYUNDAI
HEAVY INDUSTRIES CO., LTD.
CONSTRUCTION EQUIPMENT DIVISION

ULSAN OFFICE (Sales Office) 682-792,1,CHEONHA-DONG,DONG-GU,ULSAN,KOREA
TEL:(82)(52)230-2114 FAX(82)(52)230-1579
HCE U.S.A 955 ESTES AVENUE ELK GROVE VILLAGE, IL 60007
TEL : (1)847-437-3333 FAX: (1)847-437-3574
HHI EUROPE N. V. VOSSENDAAL 11, 2440 GEEL, BELGIUM
TEL : (32)14-562200 FAX: (32)14-593405-06

PLEASE CONTACT

www.hyundai-ce.com 2000.8 rev1

Global Leader-HHI
VISION2010

Robex

250LC-3
250NLC-3
250LC-3 High-Chassis

CRAWLER EXCAVATOR

Cummins B5.9-C Engine	120kW/161HP
Operating weight	
ROBEX 250LC-3	24,300kg (53,600lb)
ROBEX 250NLC-3	24,000kg (52,900lb)
ROBEX 250LC-3 High Chassis	28,700kg (63,270lb)
Bucket capacity, PCSA	0.79~1.50m³ (1.03~1.96yd³)
Reach at ground level	10,220mm (33'6")
Digging depth	7,000mm (23'0")
Travel speed (low/high)	3.4~5.3km/h (2.1~3.3mph)

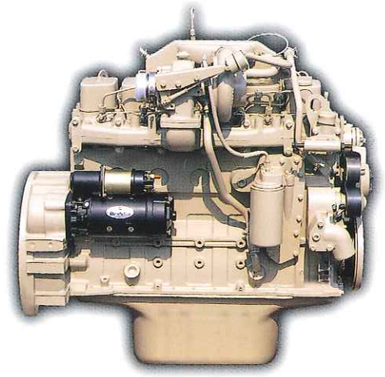
HYUNDAI
HEAVY INDUSTRIES CO., LTD.

The R250 Series are the result of years of manufacturing experience, customer input and good, time honored know-how. Your new Hyundai machine has been built with a single goal in mind; to provide you with greater productivity, reliability and the best working environment possible.
The R250 Series from Hyundai!
It's here to work. It's here to stay.

The six cylinders turbo-charged, aftercooled engine is built for power, reliability ,economy , and low emissions.

Simple Design
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 machine is reduced without sacrificing strength.

Compact Engine Size
The compact size of the engine makes it easier to service than other engines. The low engine height allows easy access for maintenance due to a side-mounted, gear-driven camshaft.



Reliability You Can Depend On
The engine is built from a cast iron, skirted block with main bearing support between each cylinder. This combination provides maximum strength, rigidity, and crankshaft support. Special liquid cooling results in uniform temperature distribution.

Direct injection is featured in the engine for fuel economy. For longer element service intervals, you find a mechanical all-speed governor, forced lubrication with a full-flow filter, and a double dry type air cleaner.
A dust indicator and automatic dust evacuator have been added to simplify maintenance.

Comfortable Operation

Cluster (Instrument Panel)
Since the current operating mode is indicated with a light on the cluster, the operator can select the machine condition that is optimum for the particular job site or task. The cluster is provided so that the operator is immediately notified by the indicator light and gauge of any abnormality on the machine. Thus, trouble may be prevented and he can concentrate on the operation.

Monitor Character Display
Information about machine performance as monitored by the CPU controller can be displayed on the cluster operator selects a display mode.

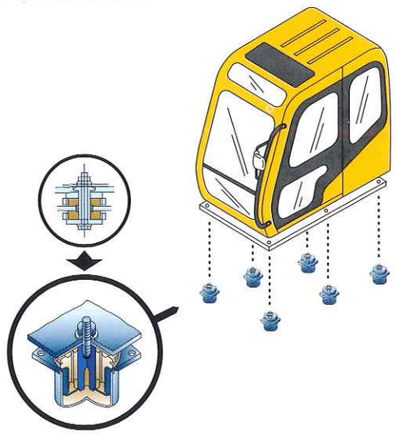
Suspension Seat
The deluxe suspension seat is adjustable and provides the operator with the most comfortable feeling.

Sliding Console Box
Left hand and right hand console boxes can be moved forward or backward with the seat or individually by the stroke of 160mm (6.3")

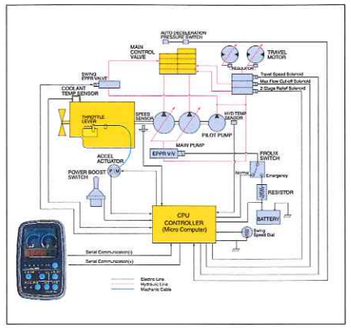
Simple Control Air Conditioning
The intuitive, rotary controls allow immediate adjustment to your cab environment.

Air Vent Control System
Deluxe air vents are located in nine places throughout the cab. It is possible to adjust the air direction and air flow to best suit your needs.

Minimization of Shock and Vibration
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.

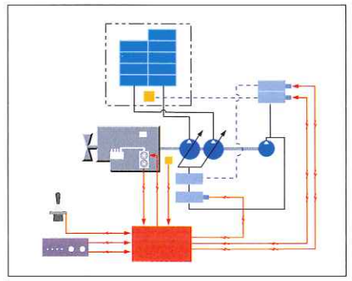


New CAPO System

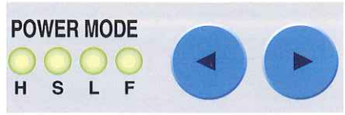


The new CAPO (Computer Aided Power Optimization) system maintains engine and mutual pump power at optimum levels. Mode selections are designed for various work loads and maintaining **high performance while reducing fuel consumption**. Features such as auto deceleration and power boost are included in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

Power Boost 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 Warm-up
After the engine is started, if the engine coolant temperature is low, the controller for the mode selection system raises the engine speed and increases the coolant flow rate automatically to begin warm up immediately.



H Mode


The H-mode is designed for heavy duty digging operation. This mode provides the engine with full power to dig through tough conditions while maintaining fast cycle times.

S Mode


The S-mode is for general digging and loading operations and combines fast cycle times.

L Mode

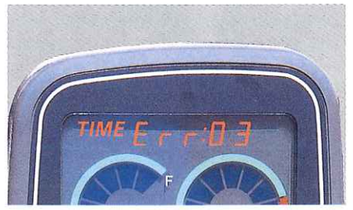

The L-mode is suitable for light duty operations, such as lifting and leveling.

F Mode


The F-mode is designed for precise and fine operations such as pipe laying and finishing work.

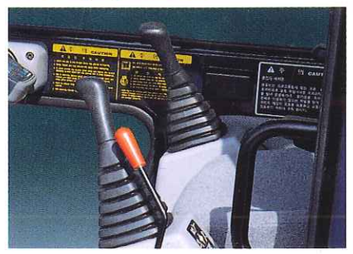
Automatic Engine Overheat Prevention
If the engine coolant water temperature gets too high, the controller for the mode selection system lowers the engine speed and reduces and cools the engine.

Durable CPU Controller
The CPU controller contains a protective circuit to guard and comply with EMC directive 89/336/EEC.



The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic part malfunction and displays them on the LCD monitor of the cluster through error codes. This controller has the capacity to identify 42 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temp and the state of all types of electric switches, provides the operator with much more exact state of machine than ever, it is much easier to trouble shoot.

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

Semi-long Joystick Lever


Ergonomic lever grip applied to joystick gives an operator smooth and comfortable feel. And the longer grip makes the control of the joystick much better precise.

Advanced Hydraulic System

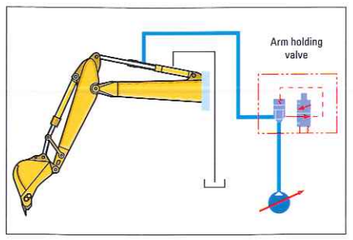
Total Horsepower Control System
Two stage displacement axial piston pumps enable productivity to be maximized with the effective utilization of total engine output. Either pump can use the majority of engine power during operation.

Negative 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. This proportional pump flow provides precise control and energy conservation.

Flow Summation System
The internal flow summation system utilizes the second boom spool and the second arm spool to sum up the flow of the two pumps with the individual operation of the arm or the boom, efficiently, thereby reducing the operation cycle time to bring forth higher productivity.

Boom Holding System
The Pilot check valve in the main control valve prevents the boom dropping over extended period in neutral position.

Arm Holding System



The pilot check valve in the main control valve prevents the arm dropping over extended period in neutral position.

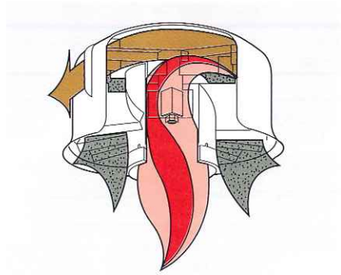
Arm Cylinder Regeneration System
Arm regeneration valve provides smooth arm-in operation without cabbitation.

Anti-Rotation Valve
The anti-rotation valve is installed in the swing motor to make swing start and stop shockless.

Arm-in Half Flow System
Arm-in half flow system is applied for fine control work.
This function is selected by toggle switch.

Auto Deceleration System
When remote-control valve is in neutral position more than 4 seconds, CPU controller controls governor motor to reduce engine speed to 1200rpm, thus lessen fuel consumption and noise level.

Pre-cleaner

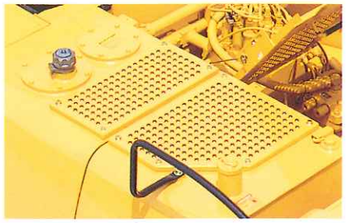


This pre-cleaner makes the life of air cleaner elements and engine longer.

Sealed and Ajustable Bucket Linkage

Sealed and ajustable bucket linkage provides less wareof pins and bushes as well as silent operation.

Non-slip Shield

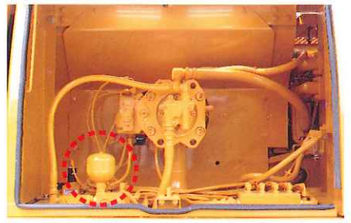


For safety, non-slip shields are installed on the upper structure.

Track Rail Guide

Durable track rail guides keep track links in place.

Work Equipment Lowering Device

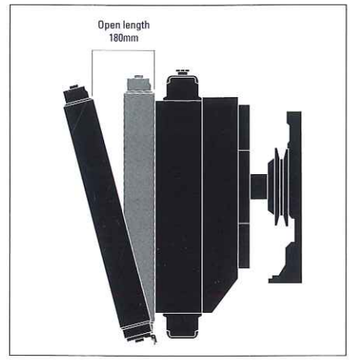


For lowering work equipment on the ground when engine stops, accumulator can be installed as an option.

Centralized Electric Junction

CPU, relays and fuse box, etc. are centralized in a separate compartment for easy service.

Easy Radiator Cleaning



The hydraulic oil cooler tilts out, so cleaning the oil cooler and radiator is easy.

Full open doors and simple key system provide easy service.
Handrail and foot steps are applied for safety.

Engine

Model ..... Cummins B5.9-C
Type ..... Watercooled, 4 cycle Diesel, 6-Cylinders in-line, direct injection, turbocharged, aftercooled and low emission
Rated flywheel horse power
SAE J1349 (gross) ..... 174 HP (130 kW) at 2200rpm
(net) ..... 161 HP (120 kW) at 2200rpm
DIN 6271/1 (gross) ..... 176 PS (130 kW) at 2200rpm
6271/1 (net) ..... 163 PS (120 kW) at 2200rpm
Max. torque ..... 81.6kgf/m(590lbf/ft) at 1500rpm
Bore x stroke ..... 102 ×120mm(4.02" ×4.72")
Piston displacement 5,880cc (359in³)
Batteries ..... 2 ×12V ×160 AH
Starting motor 24V
Alternator 50Amp

Hydraulic system

Main pump
Type ..... Two variable displacement piston pumps
Max. flow ..... 2 ×230 ℓ/min (60.8 US gpm/50.6 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 ..... 320 kgf/cm² (4550 psi)
Travel ..... 350 kgf/cm² (4980 psi)
Power boost (boom, arm, bucket) ..... 350 kgf/cm² (4980 psi)
Swing circuit ..... 240 kgf/cm² (3410 psi)
Pilot circuit ..... 40 kgf/cm² (570 psi)
Service valve ..... Installed
Hydraulic cylinders
No. of cylinder-bore × rod × stroke
Boom : 2 - 140 × 95 × 1345mm (5.5" × 3.7" × 52.9")
Arm : 1 - 145 × 105 × 1750mm (5.7" × 4.1" × 68.9")
Bucket : 1 - 135 × 90 × 1185mm (5.3" × 3.5" × 46.7")
Adjust(2pcs) : 1 - 170 × 110 × 1050mm (6.7" × 4.3" × 41.3")

Drives & Brakes

Drive method ..... Full hydrostatic type
Drive motor ..... Axial piston motor, in-shoe design
Reduction system ..... Planetary reduction gear

Max. drawbar pull .....R250Lc-3 / R250NLc-3 22,970 kgf (50,640 lbf)
R250Lc-3 High chassis 25,500 kgf (56,220 lbf)

Max. travel speed(high) R250Lc-3/ R250NLc-3 .....5.3 km/hr (3.3 mph)
R250Lc-3 High chassis ....4.3 km/hr (2.7 mph)
(low) R250Lc-3/ R250NLc-3.....3.4 km/hr (2.1 mph)
R250Lc-3 High chassis.....2.7 km/hr (1.7mph)
Gradeability ..... 35°(70%)
Parking brake ..... Wet, multi disc

Controls

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

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

Swing system

Swing motor ..... Axial piston motor
Swing reduction ..... Planetary gear reduction
Swing bearing lubrication ..... Grease-bathed
Swing brake ..... Wet, multi-disc
Swing speed ..... 12.6 rpm

Coolant & Lubricant capacity

	1iter	US gal	UK gal
Fuel tank	340.0	89.8	74.8
Engine coolant	35.0	9.2	7.7
Engine oil	24.0	6.3	5.3
Swing device	11.0	2.9	2.4
Final drive(each)	5.4	1.4	1.2
Hydraulic system(including tank)	340.0	89.8	74.8
Hydraulic tank	240.0	63.4	52.8

Undercarriage

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes lubricated rollers, idlers, track adjusters with shock absorbing spring, sprockets and track-type tractor shoes with triple grouser shoes.

Center frame ..... X-leg type
Track frame .....Pentagonal box type
No. of shoes on each side R250Lc-3/ R250NLc-3 51
No. of carrier roller on each side 2
No. of track roller on each side R250Lc-3/ R250NLc-3 10
No. of rail guides on each side R250Lc-3/ R250NLc-3 2

Operating weight (approximate)

Operating weight, including 5.85m (19'2") one-piece boom, 3.05m (10'0") arm, PCSA heaped 1.08m³ (1.41yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight
Upperstructure ..... 5,400kg (11,900 lb)
Counterweight ..... 4,100kg (9,040 lb)
Boom (with arm cylinder) 5.85m(19'2")boom.....2280kg (5030 lb)
5.30m(17'5")boom.....2170kg (4780 lb)
Hydraulic Adjust boom (with arm cylinder).....2980kg (6570 lb)

Operating weight

Shoes (Triple grouser)	Operating weight		Ground pressure
*600mm (24")	R250LC-3	24300kg (53600lb)	0.49kgf/cm² (6.97psi)
	R250NLC-3	24200kg (53350lb)	0.49kgf/cm² (6.97psi)
700mm (28")	R250LC-3	24600kg (54230lb)	0.43kgf/cm² (6.12psi)
	R250LC-3 Highchassis	28700kg (63270lb)	0.47kgf/cm² (6.68psi)
800mm (32")	R250LC-3	24900kg (54900lb)	0.38kgf/cm² (5.40psi)
	R250LC-3 Highchassis	29000kg (63930lb)	0.42kgf/cm² (5.97psi)
900mm (36")	R250LC-3	25200kg (55560lb)	0.34kgf/cm² (4.84psi)
710mm(28") (Double Grouser)	R250LC-3 Highchassis	28900kg (63710lb)	0.47kgf/cm² (6.68psi)

* : Standard Equipment

Backhoe attachments

Arm

2.10m (6'11") | 2.50m (8'2") | * 3.05m (10'0") | 3.60m (11'10")

Digging force

Arm	Length	2.1m (6'11")	2.50m (8'2")	*** 3.05m (10'0")**	3.60m (11'10")	Remark
	Weight	1320kg (2910lb)	1300kg (2870lb)	**1480kg (3260lb)**	1550kg (3420lb)	
Bucket digging force	SAE, JIS	152.0 [166.0] kN 15500 [17000] kgf 34200 [37400] lbf	152.0 [166.0] kN 15500 [17000] kgf 34200 [37400] lbf	**152.0 [166.0] kN** **15500 [17000] kgf** **34200 [37400] lbf**	152.0 [166.0] kN 15500 [17000] kgf 34200 [37400] lbf	[ ] : Power boost
	ISO, NEW JIS	173.0 [189.0] kN 17600 [19300] kgf 38800 [42400] lbf	173.0 [189.0] kN 17600 [19300] kgf 38800 [42400] lbf	**173.0 [189.0] kN** **17600 [19300] kgf** **38800 [42400] lbf**	173.0 [189.0] kN 17600 [19300] kgf 38800 [42400] lbf	
Arm crowd force	SAE, JIS	154.0 [168.0] kN 15700 [17200] kgf 34600 [37800] lbf	131.0 [143.0] kN 13400 [14700] kgf 29500 [32300] lbf	**112.0 [123.0] kN** **11400 [12500] kgf** **25100 [27500] lbf**	100.0 [109.0] kN 10200 [11200] kgf 22500 [24600] lbf	
	ISO, NEW JIS	161.0 [176.0] kN 16400 [17900] kgf 36200 [39600] lbf	136.0 [149.0] kN 13900 [15200] kgf 30640 [33500] lbf	**116.0 [127.0] kN** **11850 [13000] kgf** **26120 [28600] lbf**	103.0 [113.0] kN 10500 [11500] kgf 21300 [25300] lbf	

* Standard Equipment
Note: Arm weight includes bucket cylinder and linkage

Buckets

General purpose

0.79m³ (1.03yd³) PCSA heaped | 1.03m³ (1.35yd³) PCSA heaped | * 1.08m³ (1.41yd³) PCSA heaped | 1.27m³ (1.66yd³) PCSA heaped | 1.38m³ (1.80yd³) PCSA heaped | 1.50m³ (1.96yd³) PCSA heaped | ◇ 1.15m³ (1.50yd³) PCSA heaped | ⊙ 1.03m³ (1.35yd³) PCSA heaped

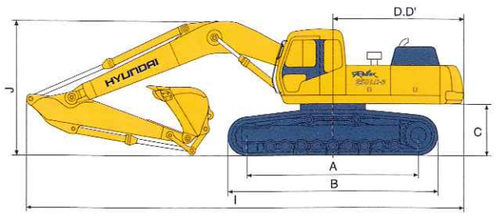
Capacity		Width		Weight	Recommendation								
					5.85m (19'2") Boom				**5.30m (17'5") Boom**		**5.90m (19'2")2-piece Boom**		
PCSA heaped	CECE heaped	Without side cutters	With side cutters		2.10m arm (6'11")	2.50m arm (8'2")	***3.05m arm (10'0")**	3.60m arm (11'10")	2.10m arm (6'11")	2.50m arm (8'2")	2.10m arm (6'11")	2.50m arm (8'2")	3.05m arm (10'0")
0.79m³ (1.03yd³)	0.70m³ (0.92yd³)	890mm (35.0")	1010mm (39.8")	740kg (1630lb)	●	●	●	●	●	●	●	●	●
1.03m³ (1.35yd³)	0.90m³ (1.18yd³)	1090mm (42.9")	1210mm (47.6")	850kg (1870lb)	●	●	■	■	●	●	●	●	■
* 1.08m³ (1.41yd³)	0.95m³ (1.24yd³)	1120mm (44.1")	1240mm (48.8")	860kg (1900lb)	●	●	■	■	●	●	●	●	■
1.27m³ (1.66yd³)	1.10m³ (1.44yd³)	1290mm (50.8")	1410mm (55.5")	960kg (2120lb)	●	●	■	▲	●	●	■	■	▲
1.38m³ (1.80yd³)	1.20m³ (1.57yd³)	1390mm (54.7")	1510mm (59.4")	980kg (2160lb)	■	■	▲	-	■	■	▲	▲	-
1.50m³ (1.96yd³)	1.30m³ (1.70yd³)	1490mm (58.7")	1610mm (63.4")	1020kg (2250lb)	▲	▲	-	-	▲	▲	-	-	-
◇ 1.15m³ (1.50yd³)	1.00m³ (1.30yd³)	1219mm (48")	-	1130kg (2490lb)	●	●	■	▲	●	●	■	■	▲
⊙ 1.03m³ (1.35yd³)	0.90m³ (1.18yd³)	1090mm (42.9")	1210mm (47.6")	1040kg (2290lb)	●	●	●	-	●	●	●	●	■

* : Standard backhoe bucket
◇:Heavy-duty bucket
⊙: Rock Bucket

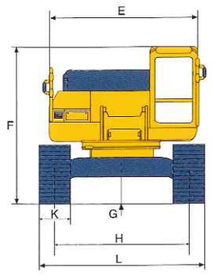
●: Applicable for materials with density of 2,000 kg/m³ (3,370 lb/yd³) or less
■: Applicable for materials with density of 1,600 kg/m³ (2,700 lb/yd³) or less
▲: Applicable for materials with density of 1,100 kg/m³ (1,850 lb/yd³) or less

Dimensions

R250LC-3 / R250NLC-3



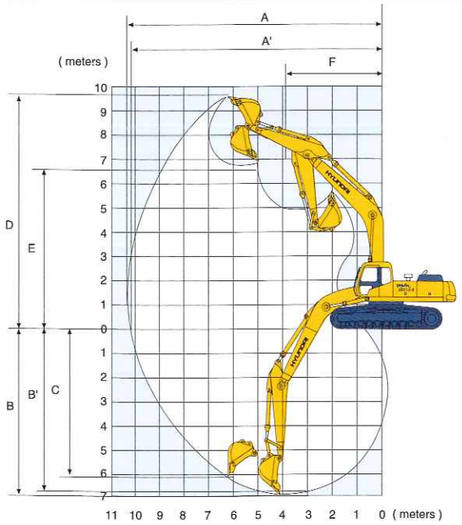
A	Tumbler distance	R250Lc-3	3830mm (12' 7")
		R250NLc-3	3830mm (12' 7")
B	Overall length of crawler	R250Lc-3	4642mm (15' 3")
		R250NLc-3	4642mm (15' 3")
C	Ground clearance of counterweight		1070mm (3' 6")
D	Tail swing radius		2930mm (9' 7")
D'	Rear-end length		2890mm (9' 6")
E	Overall width of upperstructure		2840mm (9' 4")
F	Overall height of cab		2940mm (9' 8")
G	Min. ground clearance		470mm (1' 7")
H	Track gauge	R250Lc-3	2580mm (8' 6")
		R250NLc-3	2380mm (7'10")



	Boom length	5.85m (19'2")				5.30m (17'5")	
	Arm length	2.10m (6'11")	2.50m (8'2")	*** 3.05m (10'0")**	3.60m (11'10")	2.10m (6'11")	2.50m (8'2")
I	Overall length	10070mm (33'0")	10030mm (32'11")	**9980mm (32'9")**	10000mm (32'10")	9530mm (31'3")	9490mm (31'2")
J	Overall height of boom	3440mm (11'3")	3340mm (10'11")	**3180mm (10'5")**	3380mm (11'1")	3520mm (11'6")	3400mm (11'2")
K	Track shoe width		**600mm (24")**	**700mm (28")**	800mm (32")		900mm (36")
L	Overall width R250Lc-3		**3180mm (10'5")**	**3280mm (10'9")**	3380mm (11'1")		3480mm (11'5")
	Overall width R250NLc-3		**2980mm (9'9")**	–	–		–

***: Standard Equipment**

Working ranges

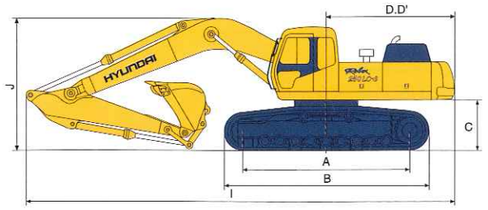


	Boom length	5.85m (19'2")				5.30m (17'5")	
	Arm length	2.10m (6'11")	2.50m (8'2")	***3.05m (10'0")**	3.60m (11'10")	⊙2.10m (6'11")	2.50m (8'2")
A	Max. digging reach	9620mm (31'7")	9930mm (32'7")	**10390mm (34'1")**	10910mm (35'10")	9030mm (29'8")	9630mm (31'7")
A'	Max. digging reach on ground	9430mm (30'11")	9750mm (32'0")	**10220mm (33'6")**	10745mm (35'3")	8830mm (29'0")	9160mm (30'1")
B	Max. digging depth	6050mm (19'10")	6450mm (21'2")	**7000mm (23'0")**	7550mm (24'9")	5590mm (18'4")	5990mm (19'8")
B'	Max. digging depth (8' level)	5840mm (19'2")	6270mm (20'7")	**6800mm (22'4")**	7400mm (24'3")	5380mm (17'8")	5800mm (19'0")
C	Max. vertical wall digging depth	5730mm (18'10")	5900mm (19'4")	**6220mm (20'5")**	6810mm (22'4")	5170mm (17'0")	5370mm (17'7")
D	Max. digging height Max. dumping	9570mm (31'5")	9610mm (31'6")	**9700mm (31'10")**	9960mm (32'8")	9100mm (29'10")	9140mm (30'0")
E	Height	6440mm (21'2")	6520mm (21'5")	**6640mm (21'9")**	6900mm (22'8")	5980mm (19'7")	6060mm (19'11")
F	Min. swing radius	4250mm (13'11")	4060mm (13'4")	**3980mm (13'1")**	3970mm (13'0")	3810mm (12'6")	3710mm (12'2")

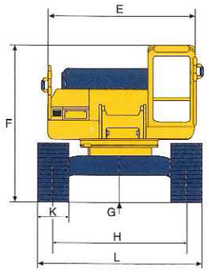
***: Standard Equipment** ⊙: Mass Equipment

Dimensions

R250LC-3 High Chassis



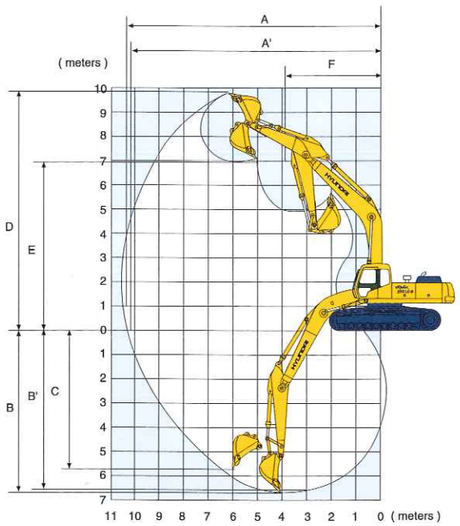
A	Tumbler distance	4020mm (13' 2")
B	Overall length of crawler	4940mm (16' 2")
C	Ground clearance of counterweight	1500mm (4' 11")
D	Tail swing radius	2930mm (9' 7")
D'	Rear-end length	2890mm (9' 6")
E	Overall width of upperstructure	2840mm (9' 4")
F	Overall height of cab	2940mm (9' 8")
G	Min. ground clearance	765mm (2' 6")
H	Track gauge	2790mm (9' 1")



	Boom length	5.85m (19'2")				5.30m (17'5")	
	Arm length	2.10m (6'11")	2.50m (8'2")	*** 3.05m (10'0")**	3.60m (11'10")	2.10m (6'11")	2.50m (8'2")
I	Overall length	10120mm (33'2")	10050mm (33'0")	**9890mm (32'5")**	10020mm (32'10")	9570mm (31'5")	9460mm (31'0")
J	Overall height of boom	3650mm (12'0")	3540mm (11'7")	**3200mm (10'6")**	3530mm (11'7")	3680mm (12'1")	3490mm (11'5")
K	Track shoe	Type	Double grouser		Triple grouser		
		Width	**710mm (28'0")**	700mm (27'6")	800mm (31'5")		
L	Overall width		**3500mm (11'6")**	3490mm (11'5")	3590mm (11'9")		

***: Standard Equipment**

Working ranges



	Boom length	5.85m (19'2")				5.30m (17'5")	
	Arm length	2.10m (6'11")	2.50m (8'2")	***3.05m (10'0")**	3.60m (11'10")	2.10m (6'11")	2.50m (8'2")
A	Max. digging reach	9620mm (31'7")	9930mm (32'7")	**10390mm (34'1")**	10910mm (35'10")	9030mm (29'8")	9630mm (31'7")
A'	Max. digging reach on ground	9330mm (30'7")	9670mm (31'9")	**10110mm (33'2")**	10670mm (35'0")	8740mm (28'8")	9080mm (29'9")
B	Max. digging depth	5670mm (18'7")	6070mm (19'11")	**6620mm (21'9")**	7170mm (23'6")	5220mm (17'1")	5600mm (18'4")
B'	Max. digging depth (8' level)	5460mm (17'11")	5880mm (19'3")	**6420mm (21'1")**	7020mm (23'0")	5000mm (16'5")	5420mm (17'9")
C	Max. vertical wall digging depth	5340mm (17'6")	5510mm (18'1")	**5730mm (18'10")**	6420mm (21'1")	4790mm (15'9")	4980mm (16'4")
D	Max. digging height	9950mm (32'8")	1000mm (32'10")	**9990mm (32'10")**	10340mm (33'11")	9480mm (31'1")	9520mm (31'3")
E	Max. dumping Height	6830mm (22'5")	6910mm (22'8")	**6960mm (22'10")**	7280mm (23'11")	6370mm (20'11")	6440mm (20'1")
F	Min. swing radius	4250mm (13'11")	4060mm (13'4")	**3980mm (13'1")**	3970mm (13'0")	3810mm (12'6")	3710mm (12'2")

***: Standard Equipment**

Lifting capacities

R250LC-3

Shoe 600mm(24") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 3.05m (10'0") | 1.08m³ PCSA heaped

Rating over-front
Rating over-side or 360 degree

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*3680	3680	4130	2460	9.22
20.0ft	lb									*8110	8110	9110	5420	(30.2)
4.5m	kg							*5350	*5350	*5060	3550	3640	2110	9.75
15.0ft	lb							*11790	*11790	*11160	7830	8020	4650	(32.0)
3.0m	kg			*13660	*13660	*8380	8080	*6520	4990	5620	3360	3400	1930	9.98
10.0ft	lb			*30120	*30120	*18470	17810	*14370	11000	12390	7410	7500	4250	(32.7)
1.5m	kg			*9040	*9040	*10820	7250	*7780	4590	5390	3150	3360	1880	9.95
5.0ft	lb			*19930	*19930	*23850	15980	*17150	10120	11880	6940	7410	4140	(32.6)
Ground	kg			*10310	*10310	12360	6760	7520	4300	5210	2980	3500	1960	9.65
Line	lb			*22730	*22730	27250	14900	16580	9480	11490	6570	7720	4320	(31.7)
-1.5m	kg	*9810	*9810	*13650	13640	12150	6580	7350	4150	5120	2900	3890	2210	9.06
-5.0ft	lb	*21630	*21630	*30090	30070	26790	14510	16200	9150	11290	6390	8580	4870	(29.7)
-3.0m	kg	*13410	*13410	*18260	13860	12190	6610	7340	4140			4760	2760	8.08
-10.0ft	lb	*29560	*29560	*40260	30560	26870	14570	16180	9130			10490	6080	(26.5)
-4.5m	kg			*16320	14320	*11210	6830	7540	4320			*5890	4160	6.50
-15.0ft	lb			*35980	31570	*24710	15060	16620	9520			*12990	9170	(21.3)

Shoe 700mm(28") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 3.05m (10'0") | 1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*3680	*3680	4190	2500	9.22
20.0ft	lb									*8110	*8110	9240	5510	(30.2)
4.5m	kg							*5350	*5350	*5060	3600	3700	2150	9.75
15.0ft	lb							*11790	*11790	*11160	7940	8160	4740	(32.0)
3.0m	kg			*13660	*13660	*8380	8170	*6520	5060	*5650	3410	3460	1970	9.98
10.0ft	lb			*30120	*30120	*18470	18010	*14370	11160	*12460	7520	7630	4340	(32.7)
1.5m	kg			*9040	*9040	*10820	7350	*7780	4660	5480	3200	3410	1920	9.95
5.0ft	lb			*19930	*19930	*23850	16200	*17150	10270	12080	7050	7520	4230	(32.6)
Ground	kg			*10310	*10310	*12390	6860	7630	4370	5300	3040	3560	2000	9.65
Line	lb			*22730	*22730	*27320	15120	16820	9630	11680	6700	7850	4410	(31.7)
-1.5m	kg	*9810	*9810	*13650	*13650	12330	6680	7460	4220	5200	2950	3960	2250	9.06
-5.0ft	lb	*21630	*21630	*30090	*30090	27180	14730	16450	9300	11460	6500	8730	4960	(29.7)
-3.0m	kg	*13410	*13410	*18260	14050	12360	6710	7460	4210			4840	2810	8.08
-10.0ft	lb	*29560	*29560	*40260	30970	27250	14790	16450	9280			10670	6190	(26.5)
-4.5m	kg			*16320	14520	*11210	6930	7650	4380			*5890	4220	6.50
-15.0ft	lb			*35980	32010	*24710	15280	16870	9660			*12990	9300	(21.3)

Shoe 800mm(32") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 3.05m (10'0") | 1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*3680	*3680	4260	2540	9.22
20.0ft	lb									*8110	*8110	9390	5600	(30.2)
4.5m	kg							*5350	*5350	*5060	3660	3760	2180	9.75
15.0ft	lb							*11790	*11790	*11160	8070	8290	4810	(32.0)
3.0m	kg			*13660	*13660	*8380	8270	*6520	5120	*5650	3460	3520	2000	9.98
10.0ft	lb			*30120	*30120	*18470	18230	*14370	11290	*12460	7630	7760	4410	(32.7)
1.5m	kg			*9040	*9040	*10820	7450	*7780	4730	5560	3250	3470	1950	9.95
5.0ft	lb			*19930	*19930	*23850	16420	*17150	10430	12260	7170	7650	4300	(32.6)
Ground	kg			*10310	*10310	*12390	6960	7740	4430	5380	3090	3620	2030	9.65
Line	lb			*22730	*22730	*27320	15340	17060	9770	11860	6810	7980	4480	(31.7)
-1.5m	kg	*9810	*9810	*13650	*13650	12500	6780	7570	4280	5280	3000	4020	2290	9.06
-5.0ft	lb	*21630	*21630	*30090	*30090	27560	14950	16690	9440	11640	6610	8860	5050	(29.7)
-3.0m	kg	*13410	*13410	*18260	14240	12540	6810	7570	4280			4910	2850	8.08
-10.0ft	lb	*29560	*29560	*40260	31390	27650	15010	16690	9440			10820	6280	(26.5)
-4.5m	kg			*16320	14710	*11210	7030	7770	4450			*5890	4280	6.50
-15.0ft	lb			*35980	32430	*24710	15500	17130	9810			*12990	9440	(21.3)

Notes : 1. Lifting capacities 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 lifting eye located on the back of the bucket.
4. "*" indicates the load limited by hydraulic capacity.

Lifting capacities

R250NLC-3

Shoe 600mm(24") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 3.05m (10'0") | 1.08m³ PCSA heaped

Rating over-front
Rating over-side or 360 degree

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*3680	3310	4110	2190	9.22
20.0ft	lb									*8110	7300	9060	4830	(30.2)
4.5m	kg							*5350	4870	*5060	3190	3620	1860	9.75
15.0ft	lb							*11790	10740	*11160	7030	7980	4100	(32.0)
3.0m	kg			*13660	*13660	*8380	7230	*6520	4480	5590	2990	3380	1690	9.98
10.0ft	lb			*30120	*30120	*18470	15940	*14370	9880	12320	6590	7450	3730	(32.7)
1.5m	kg			*9040	*9040	*10820	6430	*7780	4090	5370	2790	3340	1640	9.95
5.0ft	lb			*19930	*19930	*23850	14180	*17150	9020	11840	6150	7360	3620	(32.6)
Ground	kg			*10310	*10310	12310	5950	7480	3800	5190	2630	3480	1710	9.65
Line	lb			*22730	*22730	27140	13120	16490	8380	11440	5800	7670	3770	(31.7)
-1.5m	kg	*9810	*9810	*13650	11730	12090	5780	7310	3650	5090	2540	3870	1930	9.06
-5.0ft	lb	*21630	*21630	*30090	25860	26650	12740	16120	8050	11220	5600	8530	4250	(29.7)
-3.0m	kg	*13410	*13410	*18260	11940	12130	5810	7310	3650			4740	2440	8.08
-10.0ft	lb	*29560	*29560	*40260	26320	26740	12810	16120	8050			10450	5380	(26.5)
-4.5m	kg			*16320	12380	*11210	6030	7500	3820			*5890	3710	6.50
-15.0ft	lb			*35980	27290	*24710	13290	16530	8420			*12990	8180	(21.3)

Shoe 600mm(24") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 2.10m (6'11") | 1.08m³ PCSA heaped

Load point height m (ft)		Load radius 3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
												m (ft)
6.0m	kg					*5740	4960			4830	2630	8.37
20.0ft	lb					*12650	10930			10650	5800	(27.5)
4.5m	kg			*7730	7700	*6460	4720	5700	3100	4190	2210	8.96
15.0ft	lb			*17040	16980	*14240	10410	12570	6830	9240	4870	(29.4)
3.0m	kg			*10170	6880	*7550	4370	5550	2960	3910	2020	9.22
10.0ft	lb			*22420	15170	*16640	9630	12240	6530	8620	4450	(30.2)
1.5m	kg			*12200	6250	7760	4050	5380	2810	3880	1980	9.19
5.0ft	lb			*26900	13780	17110	8930	11860	6190	8550	4370	(30.2)
Ground	kg			12330	6000	7530	3860	5260	2710	4100	2100	8.86
Line	lb			27180	13230	16600	8510	11600	5970	9040	4630	(29.1)
-1.5m	kg	*14080	12280	12300	5970	7460	3800			4700	2450	8.19
-5.0ft	lb	*31040	27070	27120	13160	16450	8380			10360	5400	(26.9)
-3.0m	kg	*17060	12560	*12050	6120	7570	3890			*6110	3270	7.06
-10.0ft	lb	*37610	27690	*26570	13490	16690	8580			*13470	7210	(23.2)
-4.5m	kg	*13400	13140	*9500	6480							
-15.0ft	lb	*29540	28970	*20940	14290							

Shoe 600mm(24") triple grouser with 4,100kg Counterweight

5.85m (19'2") | 2.50m (8'2") | 1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg											4530	2470	8.74
20.0ft	lb											9990	5450	(28.7)
4.5m	kg							*6060	4830	*5630	3190	3970	2090	9.30
15.0ft	lb							*13360	10650	*12410	7030	8750	4610	(30.5)
3.0m	kg					*9500	7100	*7200	4480	5620	3030	3710	1910	9.55
10.0ft	lb					*20940	15650	*15870	9880	12390	6680	8180	4210	(31.3)
1.5m	kg					*11750	6410	7850	4140	5430	2860	3680	1870	9.52
5.0ft	lb					*25900	14130	17310	9130	11970	6310	8110	4120	(31.2)
Ground	kg			*8750	*8750	12420	6070	7580	3900	5290	2730	3860	1970	9.20
Line	lb			*19290	*19290	27380	13380	16710	8600	11660	6020	8510	4340	(30.2)
-1.5m	kg	*10070	*10070	*13890	12170	12310	5990	7470	3810	5240	2690	4360	2260	8.57
-5.0ft	lb	*22200	*22200	*30620	26830	27140	13210	16470	8400	11550	5930	9610	4980	(28.1)
-3.0m	kg	*14930	*14930	*18120	12430	12430	6080	7520	3850			5500	2920	7.51
-10.0ft	lb	*32910	*32910	*39950	27400	27400	13400	16580	8490			12130	6440	(24.6)
-4.5m	kg			*14920	12940	*10470	6360							
-15.0ft	lb			*32890	28530	*23080	14020							

Notes : 1. Lifting capacities 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 lifting eye located on the back of the bucket.
4. "*" indicates the load limited by hydraulic capacity.

Lifting capacities — R250NLC-3

Shoe 600mm(24") triple grouser with 4,100kg Counterweight


5.85m (19'2")


3.60m (11'10")


1.08m³ PCSA heaped

Rating over-front
Rating over-side or 360 degree

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		At max. reach Capacity		Reach
																m (ft)
6.0m	kg									*3790	3390			3690	1920	9.78
20.0ft	lb									*8360	7470			8140	4230	(32.1)
4.5m	kg									*4530	3250	*2240	2160	3280	1640	10.28
15.0ft	lb									*9990	7170	*4940	4760	7230	3620	(33.7)
3.0m	kg					*7290	*7290	*5880	4590	*5180	3040	*3360	2070	3080	1490	10.50
10.0ft	lb					*16070	*16070	*12960	10120	*11420	6700	*7410	4560	6790	3280	(34.4)
1.5m	kg			*12180	*12180	*9920	6640	*7230	4170	5400	2810	3910	1950	3030	1440	10.47
5.0ft	lb			*26850	*26850	*21870	14640	*15940	9190	11900	6190	8620	4300	6680	3170	(34.4)
Ground	kg	*6070	*6070	*10790	*10790	*11840	6050	7530	3830	5190	2620	3810	1860	3140	1500	10.19
Line	lb	*13380	*13380	*23790	*23790	*26100	13340	16600	8440	11440	5780	8400	4100	6920	3310	(33.4)
-1.5m	kg	*8900	*8900	*12960	11650	12090	5780	7300	3640	5050	2500			3450	1670	9.63
-5.0ft	lb	*19620	*19620	*28570	25680	26650	12740	16090	8020	11130	5510			7610	3680	(31.6)
-3.0m	kg	*11930	*11930	*16500	11760	12040	5730	7230	3580	5030	2480			4110	2060	8.73
-10.0ft	lb	*26300	*26300	*36380	25930	26540	12630	15940	7890	11090	5470			9060	4540	(28.6)
-4.5m	kg	*15520	*15520	*17670	12100	*11870	5870	7340	3670					5620	2940	7.32
-15.0ft	lb	*34220	*34220	*38960	26680	*26170	12940	16180	8090					12390	6480	(24.0)

Shoe 600mm(24") triple grouser with 4,100kg Counterweight


5.30m (17'5")

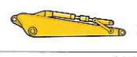

2.10m (6'11")


1.50m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg							*6200	4870			5520	3030	7.72
20.0ft	lb							*13670	10740			12170	6680	(25.3)
4.5m	kg							*6660	4710			4680	2480	8.37
15.0ft	lb							*14680	10380			10320	5470	(27.5)
3.0m	kg					*9820	7130	*7650	4420			4310	2240	8.65
10.0ft	lb					*21650	15720	*16870	9740			9500	4940	(28.4)
1.5m	kg					*11970	6480	7830	4110	5360	2790	4280	2190	8.61
5.0ft	lb					*26390	14290	17260	9060	11820	6150	9440	4830	(28.2)
Ground	kg			*11930	*11930	12510	6140	7590	3910			4570	2350	8.26
Line	lb			*26300	*26300	27580	13540	16730	8620			10080	5180	(27.1)
-1.5m	kg	*12760	*12760	*19410	12350	12430	6070	7520	3850			5370	2810	7.52
-5.0ft	lb	*28130	*28130	*42790	27230	27400	13380	16580	8490			11840	6190	(24.7)
-3.0m	kg			*17190	12690	*11860	6220					*6380	4020	6.24
-10.0ft	lb			*37900	27980	*26150	13710					*14070	8860	(20.5)

Shoe 600mm(24") triple grouser with 4,100kg Counterweight


5.30m (17'5")


2.50m (8'2")


1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg							*5640	5010			5140	2820	8.10
20.0ft	lb							*12430	11050			11330	6220	(26.6)
4.5m	kg							*6210	4830			4410	2340	8.70
15.0ft	lb							*13690	10650			9720	5160	(28.5)
3.0m	kg			*14450	*14450	*9150	7340	7260	4520	5580	2990	4080	2110	8.97
10.0ft	lb			*31860	*31860	*20170	16180	16010	9960	12300	6590	8990	4650	(29.4)
1.5m	kg			*11350	*11350	*11480	6640	7920	4190	5410	2840	4040	2070	8.94
5.0ft	lb			*25020	*25020	*25310	14640	17460	9240	11930	6260	8910	4560	(29.3)
Ground	kg			*13220	12270	12620	6220	7650	3960	5290	2730	4280	2190	8.60
Line	lb			*29150	27050	27820	13710	16870	8730	11660	6020	9440	4830	(28.2)
-1.5m	kg	*12190	*12190	*18370	12300	12450	6090	7530	3850			4940	2570	7.90
-5.0ft	lb	*26870	*26870	*40500	27120	27450	13430	16600	8490			10890	5670	(25.9)
-3.0m	kg	*17680	*17680	*18300	12580	*12380	6170	7610	3920			*6530	3520	6.71
-10.0ft	lb	*38980	*38980	*40340	27730	*27290	13600	16780	8640			*14400	7760	(22.0)
-4.5m	kg			*14020	13180	*9380	6530							
-15.0ft	lb			*30910	29060	*20680	14400							

Notes : 1. Lifting capacities 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 lifting eye located on the back of the bucket.
4. "*" indicates the load limited by hydraulic capacity.

Lifting capacities — R250LCM-3

Shoe 710mm(28") triple grouser with 4,100kg Counterweight


5.85m (19'2")


3.05m (10'0")


1.08m³ PCSA heaped

Rating over-front
Rating over-side or 360 degree

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*4170	*4170	*4490	3320	9.39
20.0ft	lb									*9190	*9190	*9900	7320	(30.8)
4.5m	kg							*5620	*5620	*5190	4800	*4690	2960	9.83
15.0ft	lb							*12390	*12390	*11440	10580	*10340	6530	(32.3)
3.0m	kg			*15220	*15220	*9050	*9050	*6850	6650	*5820	4590	4520	2800	10.00
10.0ft	lb			*33550	*33550	*19950	*19950	*15100	14660	*12830	10120	9960	6170	(32.8)
1.5m	kg			*8960	*8960	*11320	9820	*8070	6260	*6490	4390	4530	2790	9.90
5.0ft	lb			*19750	*19750	*24960	21650	*17790	13800	*14310	9680	9990	6150	(32.5)
Ground	kg	*7290	*7290	*11050	*11050	*12630	9410	*8960	5990	6880	4240	4790	2950	9.53
Line	lb	*16070	*16070	*24360	*24360	*27840	20750	*19750	13210	15170	9350	10560	6500	(31.3)
-1.5m	kg	*10690	*10690	*14700	*14700	*12960	9280	*9340	5880	6810	4180	5410	3350	8.85
-5.0ft	lb	*23570	*23570	*32410	*32410	*28570	20460	*20590	12960	15010	9220	11930	7390	(29.0)
-3.0m	kg	*14430	*14430	*18400	*18400	*12390	9360	*9020	5910			*5960	4230	7.74
-10.0ft	lb	*31810	*31810	*40570	*40570	*27320	20640	*19890	13030			*13140	9330	(25.4)
-4.5m	kg			*15330	*15330	*10560	9660							
-15.0ft	lb			*33800	*33800	*23280	21300							

Shoe 700mm(28") triple grouser with 4,100kg Counterweight


5.85m (19'2")


3.05m (10'0")


1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*4170	*4170	*4490	3290	9.39
20.0ft	lb									*9190	*9190	*9900	7250	(30.8)
4.5m	kg							*5620	*5620	*5190	4770	*4690	2930	9.83
15.0ft	lb							*12390	*12390	*11440	10520	*10340	6460	(32.3)
3.0m	kg			*15220	*15220	*9050	*9050	*6850	6600	*5820	4560	4480	2770	10.00
10.0ft	lb			*33550	*33550	*19950	*19950	*15100	14500	*12830	10050	9880	6110	(32.8)
1.5m	kg			*8960	*8960	*11320	9740	*8070	6210	*6490	4350	4490	2760	9.90
5.0ft	lb			*19750	*19750	*24960	21470	*17790	13690	*14310	9590	9900	6080	(32.5)
Ground	kg	*7290	*7290	*11050	*11050	*12630	9330	*8960	5940	6820	4200	4750	2920	9.53
Line	lb	*16070	*16070	*24360	*24360	*27840	20570	*19750	13100	15040	9260	10470	6440	(31.3)
-1.5m	kg	*10690	*10690	*14700	*14700	*12960	9210	*9340	5830	6760	4140	5360	3320	8.85
-5.0ft	lb	*23570	*23570	*32410	*32410	*28570	20300	*20590	12850	14900	9130	11820	7320	(29.0)
-3.0m	kg	*14430	*14430	*18400	*18400	*12390	9290	*9020	5860			*5960	4190	7.74
-10.0ft	lb	*31810	*31810	*40570	*40570	*27320	20480	*19890	12920			*13140	9240	(25.4)
-4.5m	kg			*15330	*15330	*10560	9580							
-15.0ft	lb			*33800	*33800	*23280	21120							

Shoe 800mm(32") triple grouser with 4,100kg Counterweight


5.85m (19'2")


3.05m (10'0")


1.08m³ PCSA heaped

Load point height m (ft)		Load radius 1.5m (5.0ft)		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		At max. reach Capacity		Reach
														m (ft)
6.0m	kg									*4170	*4170	*4490	3330	9.39
20.0ft	lb									*9190	*9190	*9900	7340	(30.8)
4.5m	kg							*5620	*5620	*5190	4820	*4690	2980	9.83
15.0ft	lb							*12390	*12390	*11440	10630	*10340	6570	(32.3)
3.0m	kg			*15220	*15220	*9050	*9050	*6850	6670	*5820	4610	4540	2810	10.00
10.0ft	lb			*33550	*33550	*19950	*19950	*15100	14700	*12830	10160	10010	6190	(32.8)
1.5m	kg			*8960	*8960	*11320	9860	*8070	6280	*6490	4410	4550	2800	9.90
5.0ft	lb			*19750	*19750	*24960	21740	*17790	13850	*14310	9720	10030	6170	(32.5)
Ground	kg	*7290	*7290	*11050	*11050	*12630	9440	*8960	6020	6910	4260	4810	2960	9.53
Line	lb	*16070	*16070	*24360	*24360	*27840	20810	*19750	13270	15230	9390	10600	6530	(31.3)
-1.5m	kg	*10690	*10690	*14700	*14700	*12960	9320	*9340	5900	6840	4200	5430	3360	8.85
-5.0ft	lb	*23570	*23570	*32410	*32410	*28570	20550	*20590	13010	15080	9260	11970	7410	(29.0)
-3.0m	kg	*14430	*14430	*18400	*18400	*12390	9400	*9020	5940			*5960	4250	7.74
-10.0ft	lb	*31810	*31810	*40570	*40570	*27320	20720	*19890	15080			*13140	9370	(25.4)
-4.5m	kg			*15330	*15330	*10560	9690							
-15.0ft	lb			*33800	*33800	*23280	21360							

1. Lifting capacities 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 lifting eye located on the back of the bucket.
4. "*" indicates the load limited by hydraulic capacity.