



Robex 290LC-7A

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(7,500 kcal/hr, 30,000BTU/hr) & Defroster

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
 - Check Engine & CPU
 - Engine oil pressure
 - Engine coolant temperature
 - Hyd. oil temperature
 - Low battery
 - Air cleaner clogging
- Indicator
 - Power boost
 - Engine warming-up
 - Auto(One touch) decel
 - Preheat(Air grille heater)

Removable clean out screen for oil cooler

Door and cab locks, one key

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Slidable joystick, pilot-operated

Automatic swing brake

Removable reservoir tank

Water separator & Fuel pre-filter, fuel line

Boom holding system

Arm holding system

Counterweight (5200kg, 11460lb)

mono boom (6.25m, 20' 6")

Arm (3.05m, 10' 0")

Track shoes (600mm, 23.6")

Track rail guard

Am/Fm radio and USB player

- Remote control switch

Console box tilting system (LH.)

Three front working light

Electric horn

Batteries (2 x 12V x 160AH)

Battery master switch

Starting Aid(air grille heater) cold weather

Fuel warmer

Optional Equipment

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

FATC(Full Automatic Temperature Control)

Sun visor for cabin inside

Fuel filler pump (35 ℓ /min, 9.5 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)

Quick Coupler

Accumulator, work equipment lowering

12 volt power supply (DC-DC converter)

Electric transducer

Travel alarm

CD Player

Various optional Arms

- Super short arm (2.10 m, 6' 11")
- Short arm (2.50 m, 8' 2")
- Long arm (3.75 m, 12' 4")

Various optional Buckets (SAE heaped)

- Standard bucket (1.27 m³, 1.66 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)
- Light duty bucket (1.73 m³, 2.26 yd³)
- Light duty bucket (1.85 m³, 2.42 yd³)
- Heavy duty bucket (1.07 m³, 1.40 yd³)
- Heavy duty bucket (1.15 m³, 1.50 yd³)
- Heavy duty bucket (1.27 m³, 1.66 yd³)
- Heavy duty bucket (1.46 m³, 1.91 yd³)
- Rock-Heavy duty bucket (1.16 m³, 1.52 yd³)
- Rock-Heavy duty bucket (1.49 m³, 1.95 yd³)

Cabin lights

Cabin FOPS/FOG(ISO/DIS 10262)

Cabin Roof-cover Transparent

Track shoes

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

Lower frame under cover

Pre heating system

Tool kit

Operator suit

Tropical Kit

- Fan drive ratio(1.1:1)
- Louver side cover(R/H) side

Seat

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

Pattern change valve (2 patterns)



*Photo may include optional equipment.

Robex

CRAWLER EXCAVATOR Applied Tier 3 Engine

290LC-7A

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. All imperial measurements rounded off to the nearest pound or inch.

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HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

We build a better future

Built for Maximum Power, Performance, Reliability.

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

Robex 290LC-7A



*Photo may include optional equipment.

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

Technology in Cab Design



Visibility

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



Excellent Ventilation

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



Comfortable Operator Environment

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



Low noise design

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



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

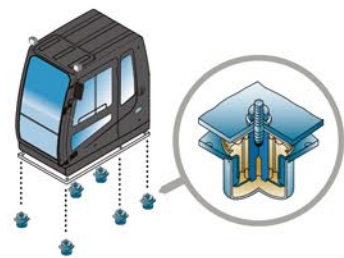
Radio/ USB Player & Remote Control Switch



Robex 290LC-7A



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



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



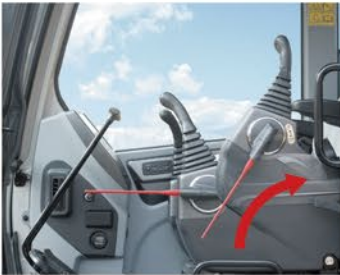
Maximum Protection

Operating Environment



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

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



Highly Sensitive Joystick and Easy Entrance
New joystick grips for precise control have been equipped with 4 switches.

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



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



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



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

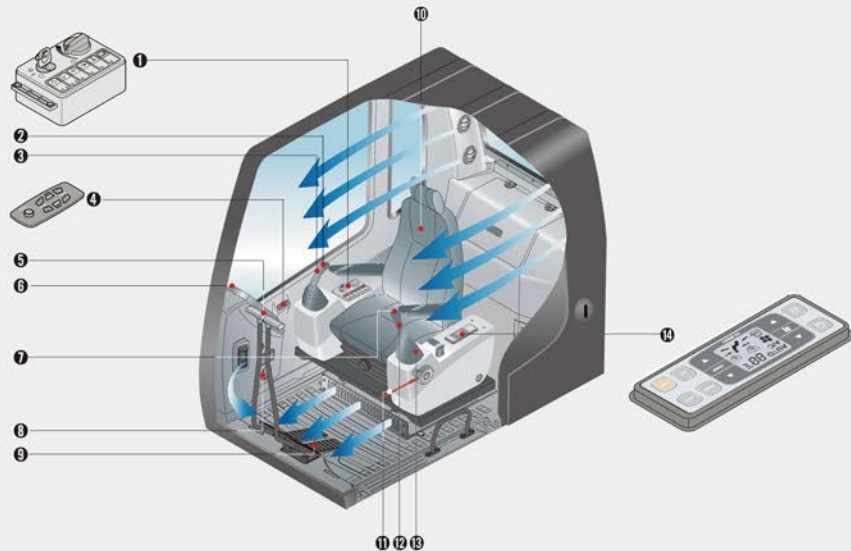


Wide, Comfortable Operating Space
All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.

Smooth Travel Pedal and Foot Rests



The best working conditions in a pleasant environment.



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



Automatic Engine Overheat Prevention

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



Anti Restart System

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



Power boost control System

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

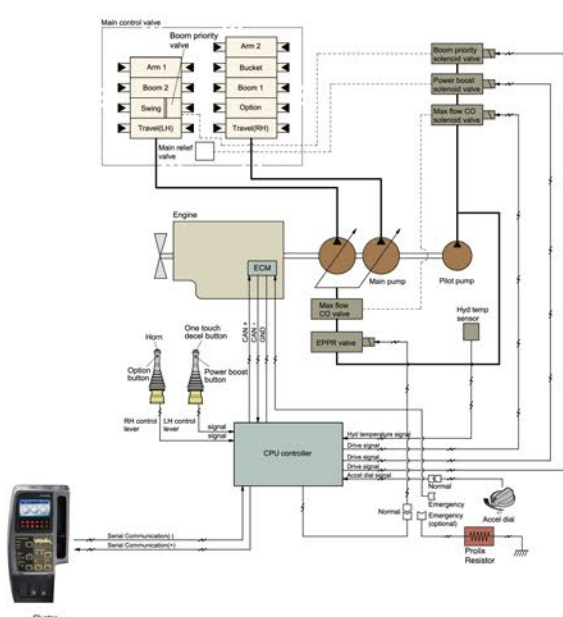


Automatic Warming-up System

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

Advanced Hydraulic 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. 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 through 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.

One Touch Decel System

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

Pump Flow Control System

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

Boom & Arm Holding System

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

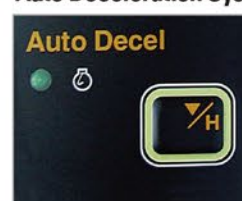
Arm Flow Regeneration System

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

Hydraulic Damper in Travel Pedal

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

Auto Deceleration System



When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accel actuator to reduce engine speed to 1050rpm. This decreases fuel consumption and reduces cab noise levels.

Max. Flow Cut-off System

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

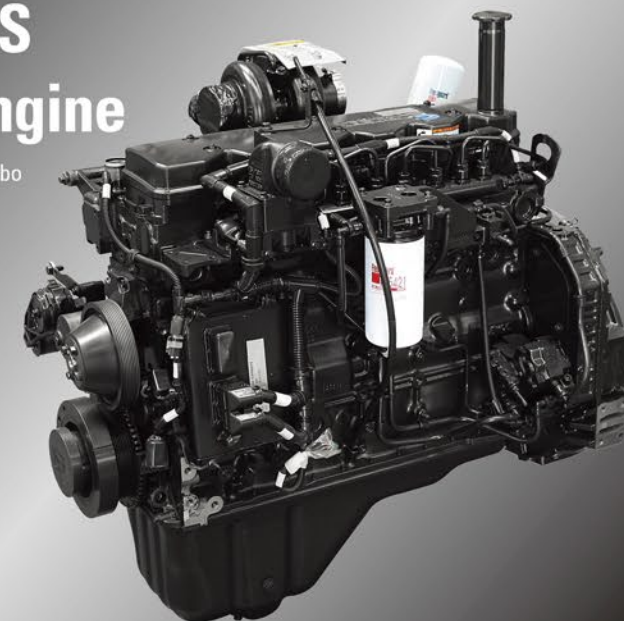
NEW MODE CONTROL SYSTEM



- POWER MODE**
H mode: High power S mode: Standard power
- WORK MODE**
Heavy duty work General work Breaker
- USER MODE**
M mode: Maximum Power
U mode: Memorizing Operator's Preferable Power Setting

CUMMINS QSB6.7 Engine

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



The Definition of Progress

The Quantum System B Series 6.7-liter engine combines full-authority electronic controls with the reliable performance. The electronics with the QSB6.7 have been proven with our high-horsepower products-working in the harshest, most demanding environments-search as dusty, non-stop mining operations while meeting emissions regulations worldwide. The QSB6.7 features 24 valve designed with centered injectors and symmetrical piston bowl. The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient reponse and reduced fuel consumption.

Increased Higher Performance



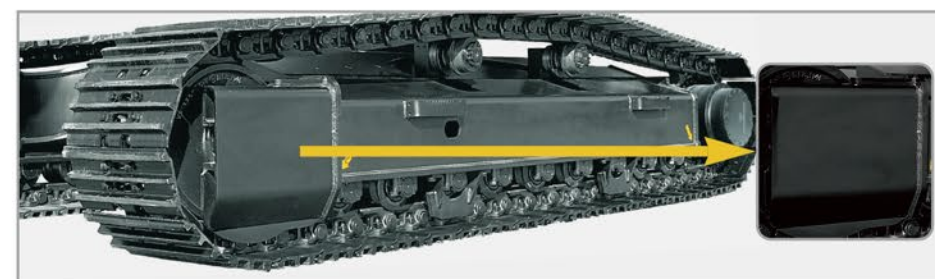
Reinforced Bucket and Bucket Linkage

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



Strong and Stable Lower Frame

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



Track Rail Guide & Adjusters

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

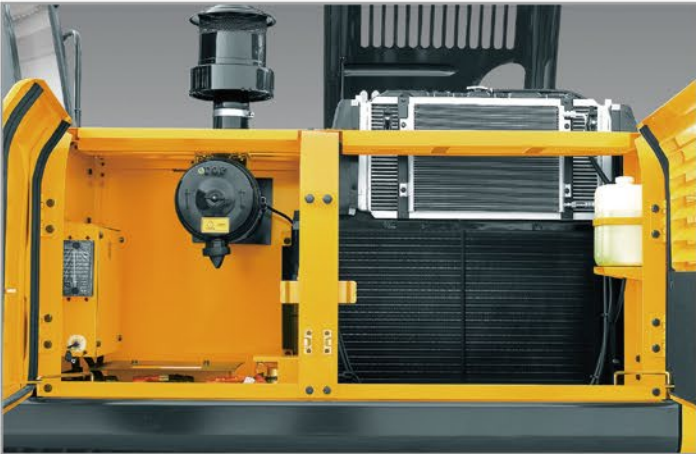
Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action

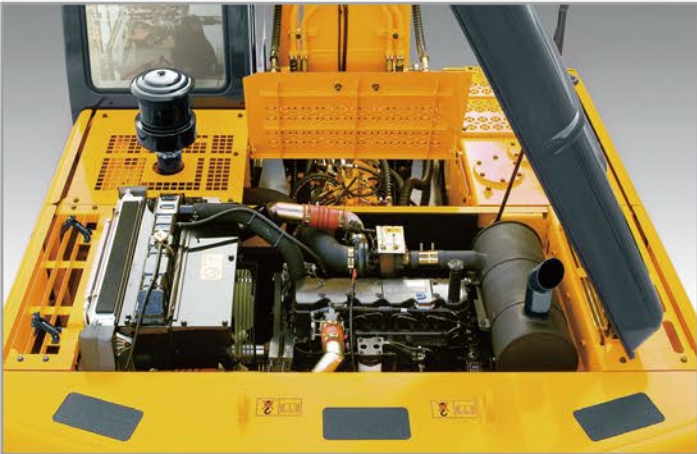


Full open doors and master key system provide easy access for servicing.

Reliability & Serviceability



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



Easy to maintain engine components
The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components. Servicing of the engine and hydraulics is considerably simplified due to total accessibility.



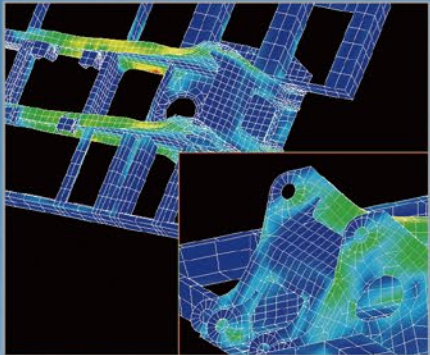
Centralized Electric Control Box and Easy Change Air Cleaner Assembly
Electric control box and Air cleaner are centralized in one or the same compartment for easy service.



Highly efficient Hydraulic Pump



Large tool box for extra storage



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



Specifications



Engine

Model			Cummins QSB6.7
Type			Watercooled, 4 cycle Diesel,6-Cylinders in line, direct injection,Turbo charged, charger air cooled and low emission
Rated flywheel horse power	SAE	J1995 (gross)	227 HP (169 kW) at 1,900 rpm
		J1349 (net)	197 HP (147 kW) at 1,900 rpm
	DIN	6271/1 (gross)	230 PS (169 kW) at 1,900 rpm
		6271/1 (net)	200 PS (147 kW) at 1,900 rpm
Max. torque			96.8 kgf-m(700 lbf-ft) at 1,400 rpm
Bore x stroke			107 x 124 mm (4.2" x 4.9")
Piston displacement			6,700 cc (409 cu in)
Batteries			2 x 12 V x 160 AH
Starting motor			24 V, 4.5kW
Alternator			24 V, 50 Amp



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2x252ℓ/min (68.7 US gpm / 57.2 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	265 kgf/cm ² (3770 psi)
Pilot circuit	35 kgf/cm ² (498 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom: 2-140 × 1465 mm (5.5" × 57.7")
	Arm: 1-150 × 1765 mm (5.9" × 69.5")
	Bucket: 1-140 × 1185 mm (5.5" × 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	27,300 kgf (60,200 lbf)
Max. travel speed(high) / (low)	5.2 km/hr (3.2 mph) / 3.1 km/hr (1.9 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	10.2 rpm



Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	480	126.8	105.6
Engine coolant	50.0	13.2	11.0
Engine oil	24	6.3	5.3
Swing device	11.0	1.8	1.5
Final drive(each)	5.5	2.9	2.4
Hydraulic system(including tank)	320.0	84.5	70.4
Hydraulic tank	210.0	55.5	46.2



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 sprocket, assembled trak chain with triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of rail guides on each side	2



Operating weight (approximate)

Operating weight, including 6.25 m (20' 6") boom, 3.05 m (10' 0") arm, SAE heaped 1.27 m³ (1.66 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure	7,040 kg (15,520 lb)
Counterweight	5,200 kg (11,460 lb)
Boom (with arm cylinder)	2,670 kg (5,900 lb)

Operating weight

Shoes		Operating weight		Ground pressure
Type	Width mm(in)		kg(lb)	kgf/cm ² (psi)
Triple grouser	※ 600 mm (24")	R290LC-7A	29,300 (64,600)	0.56 (7.97)
		R290NLC-7A	29,100 (64,150)	0.55 (7.82)
		R290LC-7A H/C	32,140 (70,860)	0.62 (8.82)
	700 mm (28")	R290NLC-7A	29,880 (65,870)	0.49 (6.97)
Triple grouser		R290LC-7A H/C	32,720 (72,140)	0.54 (7.68)
	800 mm (32")	R290NLC-7A	30,460 (67,150)	0.44 (6.26)
		R290LC-7A H/C	33,300 (73,410)	0.48 (6.83)
Double grouser	900 mm (36")	R290NLC-7A	31,040(68,430)	0.38 (5.40)
	710 mm (28")	R290LC-7A H/C	33,310(73,440)	0.54 (7.68)

※ Standard equipment

Backhoe attachment



Buckets

						
0.79 (1.03) SAE heaped m ³ (yd ³)	1.03 (1.35)	※ 1.27 (1.66)	1.50 (1.96)	1.73 (2.26) 1.85 (2.42)	1.07 (1.40) 1.15 (1.50)	1.27 (1.66) 1.46 (1.91)
					1.16 (1.52) 1.49 (1.95)	

Capacity m³ (yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	6250 (20' 6")			
					Arm	2100 (6' 11")	2500 (8' 2")	3050 (10' 0")	3750 (12' 4")
0.79 (1.03)	0.70 (0.92)	890 (35.0)	1010 (39.8)	790(1740)		●	●	●	●
1.03 (1.35)	0.90 (1.18)	1090 (42.9)	1210 (47.6)	890(1960)		●	●	●	■
※ 1.27 (1.66)	1.10 (1.44)	1290 (50.8)	1410 (55.5)	1010(2230)		●	●	■	▲
1.50 (1.96)	1.30 (1.70)	1490 (58.7)	1610 (63.4)	1080(2380)		●	■	▲	–
1.73 (2.26)	1.50 (1.96)	1700 (66.9)	1820 (71.7)	1170(2580)		▲	▲	–	–
1.85 (2.42)	1.60 (2.09)	1800 (70.9)	1920 (75.6)	1230(2710)		▲	–	–	–
■ 1.07 (1.40)	0.95 (1.24)	1150 (45.3)	-	1120(2470)		●	●	●	■
■ 1.15 (1.50)	1.00 (1.31)	1210 (47.6)	-	1160(2560)		●	●	●	■
■ 1.27 (1.66)	1.10 (1.44)	1310 (51.6)	-	1240(2730)		●	●	▲	▲
■ 1.46 (1.91)	1.28 (1.67)	1460 (57.5)	-	1320(2910)		●	■	▲	–
● 1.16 (1.52)	1.00 (1.31)	1340 (52.8)	-	1280(2820)		●	●	■	▲
● 1.49 (1.95)	1.28 (1.67)	1620 (63.8)	-	1440(3170)		●	■	▲	–

※ : Standard backhoe bucket

■ : Heavy-duty

● : Rock-Heavy duty 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



Arms

Boom and arms are of all-welded, low-stress, full-box section design. 6.25m(20' 6") boom and 2.10m(6' 11"), 2.50m(8' 2"), 3.05m(10' 0"), 3.75m(12' 4") arms are available. Buckets are all-welded, high-strength steel implements.

			
2.10 m (6' 11")	2.50 m (8' 2")	※ 3.05 m (10' 0")	3.75 m (12' 4")



Digging force

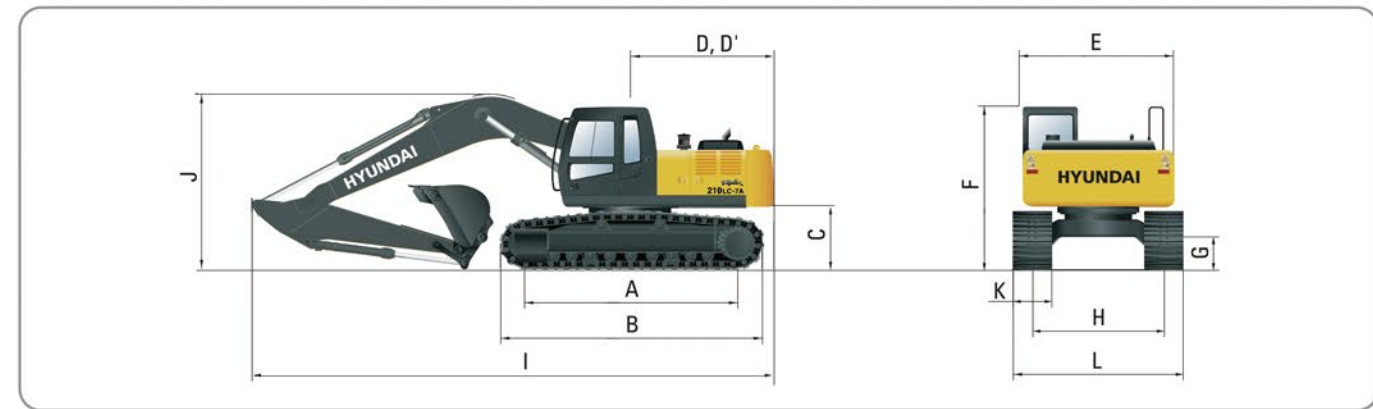
Arm	Length	mm(ft.in)	2100 (6' 11")	2500 (8' 2")	※ 3050 (10' 0")	3750 (12' 4")	Remark
	Weight	kg(lb)	1410 (3110)	1390 (3060)	1500 (3310)	1640 (3620)	
Bucket digging force	SAE	kN	168.7 [184]	168.7 [184]	168.7 [184]	168.7 [184]	[] : Power Boost
		kgf	17200 [18760]	17200 [18760]	17200 [18760]	17200 [18760]	
	ISO	kgf	37920 [41370]	37920 [41370]	37920 [41370]	37920 [41370]	
		lbf					
Arm crowd force	SAE	kN	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	
		kgf	19600 [21380]	19600 [21380]	19600 [21380]	19600 [21380]	
	ISO	kgf	43210 [47140]	43210 [47140]	43210 [47140]	43210 [47140]	
		lbf					
	SAE	kN	169.7 [185.1]	147.1 [160.5]	123.6 [134.8]	108.9 [118.8]	[] : Power Boost
		kgf	17300 [18870]	15000 [16360]	12600 [13750]	11100 [12110]	
	ISO	kgf	38140 [41610]	33070 [36080]	27780 [30310]	24470 [26690]	
		lbf					
	SAE	kN	177.5 [193.6]	154.0 [168.0]	128.5 [140.2]	111.8 [122.0]	
		kgf	18100 [19750]	15700 [17130]	13100 [14290]	11400 [12440]	
	ISO	kgf	39900 [43530]	34610 [37760]	28880 [31510]	25130 [27410]	
		lbf					

Note : Arm weight including bucket cylinder and linkage.

※ Standard arm

Dimensions & Working ranges

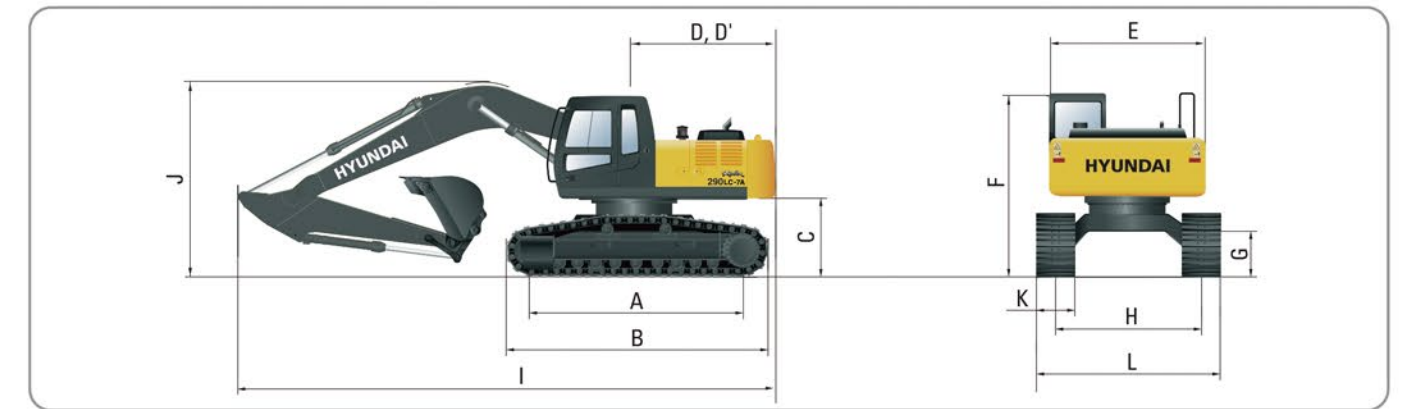
Dimensions - R290LC-7A, R290NLC-7A



mm (ft · in)			
A	Tumbler distance	R290LC-7A R290NLC-7A	4030 (13' 3") 4030 (13' 3")
B	Overall length of crawler		4940 (16' 2")
C	Ground clearance of counterweight		1190 (3' 11")
D	Tail swing radius		3200 (10' 6")
D'	Rear-end length		3120 (10' 3")
E	Overall width of upperstructure		2980 (9' 9")
F	Overall height of cab		3010 (9' 11")
G	Min. ground clearance		500 (1' 8")
H	Track gauge	R290LC-7A R290NLC-7A	2600 (8' 6") 2390 (7' 10")

mm (ft · in)					
Boom length		※ 6250 (20' 6")			
Arm length		2100 (6' 11")	2500 (8' 2")	※ 3050 (10' 0")	3750 (12' 4")
I	Overall length	10700 (35' 1")	10650 (34' 11")	10560 (34' 8")	10630 (34' 11")
J	Overall height of boom	3590 (11' 9")	3470 (11' 5")	3290 (10' 10")	3500 (11' 6")
K	Track shoe width	※ 600 (24")	700 (28")	800 (32")	900 (36")
L	Overall width	R290LC-7A	3200 (10' 6")	3300 (10' 10")	3400 (11' 2")
		R290NLC-7A	2990 (9' 10")	-	-

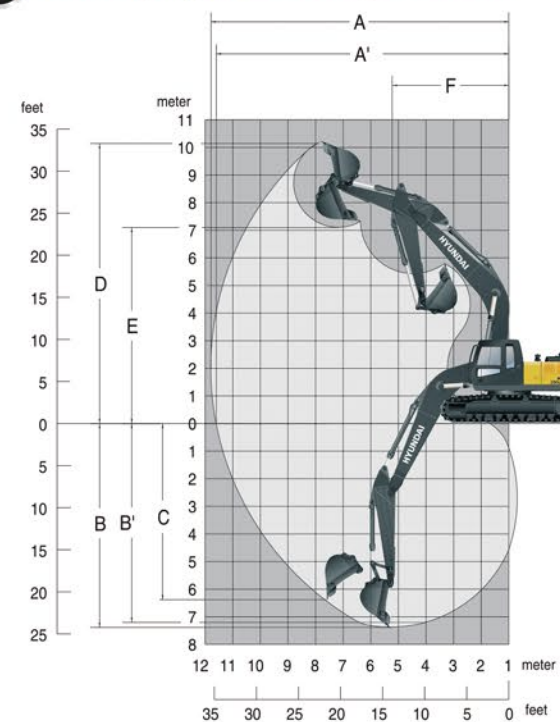
Dimensions - R290LC-7A High Chassis



mm (ft · in)		
A	Tumbler distance	4030 (13' 3")
B	Overall length of crawler	4950 (16' 3")
C	Ground clearance of counterweight	1500 (4' 11")
D	Tail swing radius	3200 (10' 6")
D'	Rear-end length	3120 (10' 3")
E	Overall width of upperstructure	2980 (9' 9")
F	Overall height of cab	3380 (11' 1")
G	Min. ground clearance	765 (2' 6")
H	Track gauge	2870 (9' 5")

mm (ft · in)					
Boom length		※ 6250 (20' 6")			
Arm length		2100 (6' 11")	2500 (8' 2")	※ 3050 (10' 0")	3750 (12' 4")
I	Overall length	10690 (35' 1")	10610 (34' 10")	10430 (34' 3")	10530 (34' 7")
J	Overall height of boom	3740 (12' 3")	3590 (11' 9")	3350 (11' 0")	3510 (11' 6")
K	Track shoe	Type	Triple grouser	Triple grouser	Triple grouser
		Width	※ 600 (24")	700 (28")	800 (32")
L	Overall width		3470 (11' 5")	3570 (11' 9")	3670 (12' 0")

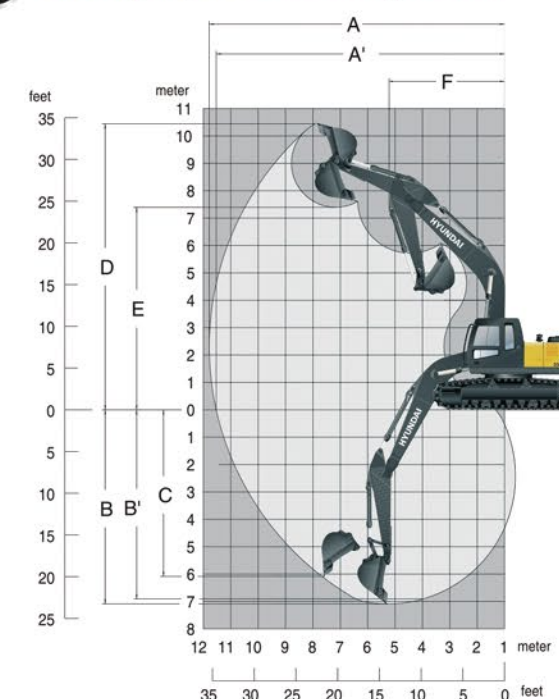
Working ranges - R290LC-7A, R290NLC-7A



mm (ft · in)					
Boom length		※ 6250 (20' 6")			
Arm length		2100 (6' 11")	2500 (8' 2")	※ 3050 (10' 0")	3750 (12' 4")
A	Max. digging reach	10020 (32' 10")	10280 (33' 7")	10820 (35' 6")	11400 (37' 5")
A'	Max. digging reach on ground	9820 (32' 3")	10080 (33' 1")	10620 (34' 10")	11220 (36' 10")
B	Max. digging depth	6440 (21' 1")	6840 (22' 5")	7390 (24' 3")	8090 (26' 7")
B'	Max. digging depth (8' level)	6240 (20' 6")	6630 (21' 9")	7200 (23' 7")	7920 (25' 12")
C	Max. vertical wall digging depth	6000 (19' 8")	5850 (19' 2")	6380 (20' 11")	7080 (23' 3")
D	Max. digging height	10070 (33' 0")	10110 (33' 2")	10160 (33' 4")	10360 (33' 12")
E	Max. dumping height	6940 (22' 9")	7030 (23' 1")	7110 (23' 4")	7310 (23' 12")
F	Min. swing radius	4380 (14' 4")	4260 (13' 12")	4230 (13' 11")	4140 (13' 7")

※ Standard Equipment

Working ranges - R290LC-7A High Chassis



mm (ft · in)					
Boom length		※ 6250 (20' 6")			
Arm length		2100 (6' 11")	2500 (8' 2")	※ 3050 (10' 0")	3750 (12' 4")
A	Max. digging reach	10020 (32' 10")	10280 (33' 7")	10790 (35' 5")	11400 (37' 5")
A'	Max. digging reach on ground	9750 (32' 0")	10020 (32' 10")	10530 (34' 7")	11160 (36' 7")
B	Max. digging depth	6140 (20' 2")	6540 (21' 5")	7090 (23' 3")	7790 (25' 7")
B'	Max. digging depth (8' level)	5930 (19' 5")	6330 (20' 9")	6910 (22' 8")	7630 (25' 0")
C	Max. vertical wall digging depth	5700 (18' 8")	5560 (18' 3")	6090 (20' 0")	6790 (22' 3")
D	Max. digging height	10370 (34' 0")	10220 (33' 6")	10440 (34' 3")	10660 (35' 0")
E	Max. dumping height	7240 (23' 9")	7170 (23' 6")	7400 (24' 3")	7610 (25' 0")
F	Min. swing radius	4380 (14' 4")	4260 (14' 0")	4230 (13' 11")	4140 (13' 7")

※ Standard Equipment

Lifting Capacities



Lifting capacities - R290LC-7A

• Boom: 6.25 m (20' 6") • Arm: 2.50 m (8' 2") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius								At max. reach					
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach	
														m (ft)	
7.5 m 25.0 ft	kg lb												*4880 *10760	4330 9550	8.34 (27.4)
6.0 m 20.0 ft	kg lb									*5470 *12060	5060 11160	*5020 *11070	3510 7740		9.19 (30.2)
4.5 m 15.0 ft	kg lb					*8180 *18030	*8180 *18030	*6610 *14570	*6610 *14570	*5880 *12960	4900 10800	5070 11180	3080 6790		9.69 (31.2)
3.0 m 10.0 ft	kg lb					*10910 *24050	10440 23020	*7890 *17390	6700 14770	*6530 *14400	4660 10270	4790 10560	2870 6330		9.90 (32.5)
1.5 m 5.0 ft	kg lb					*13040 *28750	9630 21230	*9080 *20020	6270 13820	*7190 *15850	4430 9770	4770 10520	2840 6260		9.84 (32.3)
Ground Line	kg lb					*13950 *30750	9310 20530	*9870 *21760	6000 13230	7180 15830	4270 9410	5000 11020	2980 6570		9.51 (31.2)
-1.5 m -5.0 ft	kg lb			*14370 *31680	*14370 *31680	*13930 *30710	9260 20410	*10120 *22310	5900 13010	7110 15670	4210 9280	5610 12370	3360 7410		8.87 (29.1)
-3.0 m -10.0 ft	kg lb	*16270 *35870	*16270 *35870	*18700 *41230	*18700 *41230	*13110 *28900	9390 20700	*9690 *21360	5950 13120			*6310 *13910	4210 9280		7.82 (25.7)
-4.5 m -15.0 ft	kg lb			*15620 *34440	*15620 *34440	*11170 *24630	9720 21430								

• Boom: 6.25 m (20' 6") • Arm: 3.05 m (10' 0") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)	
7.5 m 25.0 ft	kg lb														*4460 *9830	3830 8440	8.94 (29.3)
6.0 m 20.0 ft	kg lb									*4910 *10820	*4910 *10820				*4600 *10140	3160 6970	9.74 (32.0)
4.5 m 15.0 ft	kg lb							*5960 *13140	*5960 *13140	*5390 *11880	4950 10910				4640 10230	2790 6150	10.20 (33.5)
3.0 m 10.0 ft	kg lb			*9910 *21850	*9910 *21850	*9820 *21650	*9820 *21650	*7280 *16050	6780 14950	*6090 *13430	4690 10340	*4140 *9130	3380 7450	4400 9700	2610 5750	10.40 (34.1)	
1.5 m 5.0 ft	kg lb					*12250 *27010	9780 21560	*8590 *18940	6310 13910	*6830 *15060	4430 9770	*4900 *10800	3240 7140	4360 9610	2560 5640	10.35 (34.0)	
Ground Line	kg lb			*9590 *21140	*9590 *21140	*13580 *29940	9290 20480	*9550 *21050	5980 13180	7150 15760	4230 9330	*4310 *9500	3140 6920	4550 10030	2670 5890	10.04 (32.9)	
-1.5 m -5.0 ft	kg lb	*10390 *22910	*10390 *22910	*13470 *29700	*13470 *29700	*13920 *30690	9140 20150	*10000 *22050	5820 12830	7030 15500	4130 9110			5020 11070	2970 6550	9.44 (31.0)	
-3.0 m -10.0 ft	kg lb	*14060 *31000	*14060 *31000	*18180 *40080	*18180 *40080	*13440 *29630	9200 20280	*9830 *21670	5810 12810	7050 15540	4150 9150			*5980 *13180	3610 7960	8.48 (27.8)	
-4.5 m -15.0 ft	kg lb	*18380 *40520	*18380 *40520	*17190 *37900	*17190 *37900	*11970 *26390	9450 20830	*8750 *19290	5990 13210					*5960 *13140	5120 11290	6.97 (22.9)	

• Boom: 6.25 m (20' 6") • Arm: 3.75 m (12' 4") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)
7.5 m 25.0 ft	kg lb														*3930 *8660	3310 7300	9.67 (31.7)
6.0 m 20.0 ft	kg lb									*4160 *9170	*4160 *9170	*2370 *5220	*2370 *5220		*4090 *9020	2770 6110	10.40 (34.1)
4.5 m 15.0 ft	kg lb									*4710 *10380	*4710 *10380	*3720 *8200	3550 7830		4160 9170	2460 5420	10.83 (35.5)
3.0 m 10.0 ft	kg lb			*13490 *29740	*13490 *29740	*8320 *18340	*8320 *18340	*6410 *14130	*6410 *14130	*5470 *12060	4760 10490	*4740 *10450	3400 7500		3950 8710	2300 5070	11.02 (36.2)
1.5 m 5.0 ft	kg lb			*9980 *22000	*9980 *22000	*11050 *24360	10090 22240	*7850 *17310	6420 14150	*6300 *13890	4470 9850	*5440 *11990	3240 7140		3920 8640	2260 4920	10.97 (36.0)
Ground Line	kg lb	*6470 *14260	*6470 *14260	*10300 *22710	*10300 *22710	*12890 *28420	9400 20720	*9020 *19890	6010 13250	*7030 *15500	4220 9300	5300 11680	3100 6830		4050 8930	2330 5140	10.68 (35.0)
-1.5 m -5.0 ft	kg lb	*9310 *20530	*9310 *20530	*12760 *28130	*12760 *28130	*13720 *30250	9090 20340	*9730 *21450	5770 12720	6970 15370	4070 8970	5210 11490	3020 6660		4410 9720	2560 5640	10.12 (33.2)
-3.0 m -10.0 ft	kg lb	*12290 *27090	*12290 *27090	*16240 *35800	*16240 *35800	*13690 *30180	9040 19930	*9880 *21780	5700 12570	6920 15260	4020 8860				5140 11330	3030 6680	9.25 (30.3)
-4.5 m -15.0 ft	kg lb	*15740 *34700	*15740 *34700	*18940 *41760	*18940 *41760	*12770 *28150	9190 20260	*9310 *20530	5780 12740						*5780 *12740	4030 8880	7.92 (26.0)

NOTES
1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

• Boom: 6.25 m (20' 6") • Arm: 3.05 m (10' 0") • Bucket: 1.27 m³ SAE heaped • Shoe : 800mm(32") triple grouser with 5.2ton(11,460 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)	
7.5m 25.0ft	kg lb													*4460 *9830	4000 8820	8.94 (29.3)
6.0m 20.0ft	kg lb									*4910 *10820	*4910 *10820			*4600 *10140	3310 7300	9.74 (32.0)
4.5m 15.0ft	kg lb							*5960 *13140	*5960 *13140	*5390 *11880	5160 11380			*4780 *10540	2930 6460	10.20 (33.5)
3.0m 10.0ft	kg lb			*9910 *21850	*9910 *21850	*9820 *21650	*9820 *21650	*7280 *16050	7050 15540	*6090 *13430	4890 10780	*4140 *9130	3540 7800	4610 10160	2740 6040	10.40 (34.1)
1.5m 5.0ft	kg lb					*12250 *27010	10180 22440	*8590 *18940	6580 14510	*6830 *15060	4640 10230	*4900 *10800	3410 7520	4580 10100	2700 5950	10.35 (34.0)
Ground Line	kg lb			*9590 *21140	*9590 *21140	*13580 *29940	9700 21380	*9550 *21050	6250 13780	*7420 *16360	4440 9790	*4310 *9500	3310 7300	4770 10520	2810 6190	10.04 (32.9)
-1.5m -5.0ft	kg lb	*10390 *22910	*10390 *22910	*13470 *29700	*13470 *29700	*13920 *30690	9504 21030	*10000 *22050	6090 13430	7360 16230	4330 9550			5260 11600	3120 6880	9.44 (31.0)
-3.0m -10.0ft	kg lb	*14060 *31000	*14060 *31000	*18180 *40080	*18180 *40080	*13440 *29630	9600 21160	*9830 *21670	6080 13400	7380 16270	4350 9590			*5980 *13180	3780 8330	8.48 (27.8)
-4.5m -15.0ft	kg lb	*18380 *40520	*18380 *40520	*17190 *37900	*17190 *37900	*11970 *26390	9850 21720	*8750 *19290	6260 13800					*5960 *13140	5350 11790	6.97 (22.9)



Lifting capacities - R290NLC-7A

• Boom: 6.25 m (20' 6") • Arm: 2.10 m (6' 11") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius						At max. reach				
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach	
										m (ft)		
7.5 m 25.0 ft	kg lb					*5760 *12700	*5760 *12700			*5290 *11660	4140 9130	8.01 (26.3)
6.0 m 20.0 ft	kg lb					*6090 *13430	*6090 *13430	*5900 *13010	4470 9850	*5380 *11860	3300 7280	8.90 (29.2)
4.5 m 15.0 ft	kg lb			*8940 *19710	*8940 *19710	*7040 *15520	6390 14090	*6210 *13690	4350 9590	5250 11570	2860 6310	9.42 (30.9)
3.0 m 10.0 ft	kg lb			*11660 *25710	9090 20040	*8270 *18230	5930 13070	*6800 *14990	4140 9130	4960 10930	2660 5860	9.64 (31.6)
1.5 m 5.0 ft	kg lb			*13520 *29810	8420 18560	*9370 *20660	5550 12240	7290 16070	3940 8690	4950 10910	2640 5820	9.58 (31.4)
Ground Line	kg lb			*14060 *31000	8220 18120	*10020 *22090	5330 11750	7140 15740	3800 8380	5230 11530	2790 6150	9.23 (30.3)
-1.5 m -5.0 ft	kg lb	*13470 *29700	*13470 *29700	*13770 *30360	8240 18170	*10110 *22290	5270 11620	7110 15670	3780 8330	5930 13070	3210 7080	8.57 (28.1)
-3.0 m -10.0 ft	kg lb	*17570 *38740	17570 38740	*12710 *28020	8410 18540	*9440 *20810	5370 11840			*6180 *13620	4370 9110	7.47 (24.5)
-4.5 m -15.0 ft	kg lb	*14150 *31200	*14150 *31200	*10330 *22770	8800 19400							

• Boom: 6.25 m (20' 6") • Arm: 2.50 m (8' 2") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius										At max. reach			
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach	
													m (ft)		
7.5 m 25.0 ft	kg lb												*4880 *10760	3920 8640	8.34 (27.4)
6.0 m 20.0 ft	kg lb									*5470 *12060	4580 10100	*5020 *11070	3160 6970	9.19 (30.2)	
4.5 m 15.0 ft	kg lb					*8180 *18030	*8180 *18030	*6610 *14570	6500 14330	*5880 *12960	4420 9740	5040 11110	2750 6060	9.69 (31.8)	
3.0 m 10.0 ft	kg lb					*10910 *24050	9330 20570	*7890 *17390	6030 13290	*6530 *14400	4190 9240	4760 10490	2550 5620	9.90 (32.5)	
1.5 m 5.0 ft	kg lb					*13040 *28750	8550 18850	*9080 *20020	5610 12370	*7190 *15850	3970 8750	4740 10450	2520 5560	9.84 (32.3)	
Ground Line	kg lb					*13950 *30750	8240 18170	*9870 *21760	5350 11790	7140 15740	3810 8400	4970 10960	2640 5820	9.51 (31.2)	
-1.5 m -5.0 ft	kg lb			*14370 *31680	*14370 *31680	*13930 *30710	8190 18060	10090 22240	5250 11570	7070 15590	3740 8250	5580 12300	2990 6590	8.87 (29.1)	
-3.0 m -10.0 ft	kg lb	*16270 *35870	*16270 *35870	*18700 *41230	17040 37570	*13110 *28900	8310 18320	*9690 *21360	5300 11680			*6310 *13910	3770 8310	7.82 (25.7)	
-4.5 m -15.0 ft	kg lb			*15620 *34440	*15620 *34440	*11170 *24630	8630 19030								

Lifting capacities

• Boom: 6.25 m (20' 6") • Arm: 3.05 m (10' 0") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)	
7.5 m 25.0 ft	kg lb														*4460 *9830	3460 7630	8.94 (29.3)
6.0 m 20.0 ft	kg lb									*4910 *10820	4670 10300				*4600 *10140	2830 6240	9.74 (32.0)
4.5 m 15.0 ft	kg lb							*5960 *13140	*5960 *13140	*5390 *11880	4480 9880				4610 10160	2480 5470	10.20 (33.5)
3.0 m 10.0 ft	kg lb			*9910 *21850	*9910 *21850	*9820 *21650	9600 21160	*7280 *16050	6110 13470	*6090 *13430	4220 9300	*4140 *9130	3010 6640	4370 9630	2310 5090	10.40 (34.1)	
1.5 m 5.0 ft	kg lb					*12250 *27010	8690 19160	*8590 *18940	5650 12460	*6830 *15060	3960 8730	*4900 *10800	2880 6350	4340 9570	2270 5000	10.35 (34.0)	
Ground Line	kg lb			*9590 *21140	*9590 *21140	*13580 *29940	8220 18120	*9550 *21050	5320 11730	7110 15670	3770 8310	*4310 *9500	2780 6150	4520 9960	2360 5200	10.04 (32.9)	
-1.5 m -5.0 ft	kg lb	*10390 *22910	*10390 *22910	*13470 *29700	*13470 *29700	*13920 *30690	8080 17810	*10000 *22050	5170 11400	6990 15410	3660 8070			4990 11000	2630 5800	9.44 (31.0)	
-3.0 m -10.0 ft	kg lb	*14060 *31000	*14060 *31000	*18180 *40080	16660 36730	*13440 *29630	8130 17920	*9830 *21670	5160 11380	7010 15450	3680 8110			*5980 *13180	3220 7100	8.48 (27.8)	
-4.5 m -15.0 ft	kg lb	*18380 *40520	*18380 *40520	*17190 *37900	17140 37790	*11970 *26390	8370 18450	*8750 *19290	5330 11750					*5960 *13140	4600 10140	6.97 (22.9)	

• Boom: 6.25 m (20' 6") • Arm: 3.75 m (12' 4") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)	
7.5 m 25.0 ft	kg lb														*3930 *8660	2980 6570	9.67 (31.7)
6.0 m 20.0 ft	kg lb									*4160 *9170	*4160 *9170	*2370 *5220	*2370 *5220	*4090 *9020	2470 5450	10.40 (34.1)	
4.5 m 15.0 ft	kg lb									*4710 *10380	4560 10050	*3720 *8200	3180 7010	4140 9130	2180 4810	10.83 (35.5)	
3.0 m 10.0 ft	kg lb			*13490 *29740	*13490 *29740	*8320 *18340	*8320 *18340	*6410 *14130	6280 13850	*5470 *12060	4280 9440	*4740 *10450	3030 6680	3930 8660	2020 4450	11.02 (36.2)	
1.5 m 5.0 ft	kg lb			*9980 *22000	*9980 *22000	*11050 *24360	8990 19820	*7850 *17310	5760 12700	*6300 *13890	3990 8800	5420 11950	2870 6330	3890 8580	1980 4370	10.97 (36.0)	
Ground Line	kg lb	*6470 *14260	*6470 *14260	*10300 *22710	*10300 *22710	*12890 *28420	8320 18340	*9020 *19890	5360 11820	*7030 *15500	3750 8270	5270 11620	2740 6040	4030 8880	2040 4500	10.68 (35.0)	
-1.5 m -5.0 ft	kg lb	*9310 *20530	*9310 *20530	*12760 *28130	*12760 *28130	*13720 *30250	8020 17680	*9730 *21450	5120 11290	6930 15280	3600 7940	5180 11420	2660 5860	4380 9660	2250 4960	10.12 (33.2)	
-3.0 m -10.0 ft	kg lb	*12290 *27090	*12290 *27090	*16240 *35800	*16240 *35800	*13690 *30180	7970 17570	*9880 *21780	5050 11130	6880 15170	3550 7830			5110 11270	2680 5910	9.25 (30.3)	
-4.5 m -15.0 ft	kg lb	*15740 *34700	*15740 *34700	*18940 *41760	16670 36750	*12770 *28150	8120 17900	*9310 *20530	5120 11290					*5780 *12740	3590 7910	7.92 (26.0)	



Lifting capacities - R290LC-7A High Chassis



Rating over-front



Rating over-side or 360 degree

• Boom: 6.25 m (20' 6") • Arm: 2.50 m (8' 2") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
7.5 m 25.0 ft	kg lb											*4910 *10820	*4910 *10820	8.52 (28.0)
6.0 m 20.0 ft	kg lb							*5770 *12720	*5770 *12720	*5520 *12170	*5520 *12170	*5060 *11160	4120 9080	9.30 (30.5)
4.5 m 15.0 ft	kg lb					*8660 *19090	*8660 *19090	*6830 *15060	*6830 *15060	*5990 *13210	5790 12760	*5240 *11550	3690 8140	9.75 (32.0)
3.0 m 10.0 ft	kg lb					*11380 *25090	*11380 *25090	*8130 *17920	7900 17420	*6650 *14660	5550 12240	5330 11750	3500 7720	9.91 (32.5)
1.5 m 5.0 ft	kg lb					*13300 *29320	11560 25490	*9260 *20410	7490 16510	*7300 *16090	5330 11750	5350 11790	3500 7720	9.80 (32.2)
Ground Line	kg lb			*9530 *21010	*9530 *21010	*14010 *30890	11290 24890	*9960 *21960	7240 15960	*7730 *17040	5180 11420	5680 12520	3710 8180	9.42 (30.9)
-1.5 m -5.0 ft	kg lb	*12300 *27120	*12300 *27120	*15460 *34080	*15460 *34080	*13840 *30510	11280 24870	*10100 *22270	7170 15810	*7780 *17150	5140 11330	*6210 *13690	4230 9330	8.71 (28.6)
-3.0 m -10.0 ft	kg lb	*17240 *38010	*17240 *38010	*18270 *40280	*18270 *40280	*12870 *28370	11450 25240	*9510 *20970	7250 15980			*6300 *13890	5380 11860	7.58 (24.9)
-4.5 m -15.0 ft	kg lb			*14820 *32670	*14820 *32670	*10610 *23390	*10610 *23390							

NOTES

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

- The load point is a hook (standard equipment) located on the back of the bucket.
- (*) indicates load limited by hydraulic capacity.

• Boom: 6.25 m (20' 6") • Arm: 3.05 m (10' 0") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)
7.5 m 25.0 ft	kg lb									*3300 *7280	*3300 *7280			*4480 *9880	4400 9700	9.12 (29.9)
6.0 m 20.0 ft	kg lb									*4980 *10980	*4980 *10980			*4630 *10210	3730 8220	9.84 (32.3)
4.5 m 15.0 ft	kg lb							*6180 *13620	*6180 *13620	*5510 *12150	*5510 *12150			*4820 *10630	3370 7430	10.26 (33.7)
3.0 m 10.0 ft	kg lb					*10320 *22750	*10320 *22750	*7530 *16600	*7530 *16600	*6230 *13730	5580 12300	*2910 *6420	*2910 *6420	4900 10800	3200 7050	10.41 (34.2)
1.5 m 5.0 ft	kg lb			*6850 *15100	*6850 *15100	*12580 *27730	11680 25750	*8790 *19380	7520 16580	*6950 *15320	5320 11730	*4340 *9570	4080 8990	4910 10820	3190 7030	10.31 (33.8)
Ground Line	kg lb			*10250 *22600	*10250 *22600	*13710 *30230	11260 24820	*9670 *21320	7210 15900	*7500 *16530	5140 11330	*4920 *10850	3950 8710	5160 11380	3350 7390	9.95 (32.6)
-1.5 m -5.0 ft	kg lb	*11020 *24290	*11020 *24290	*14240 *31390	*14240 *31390	*13900 *30640	11150 24580	*10020 *22090	7080 15610	*7720 *17020	5050 11130			5760 12700	3760 8290	9.29 (30.5)
-3.0 m -10.0 ft	kg lb	*14780 *32580	*14780 *32580	*19180 *42280	*19180 *42280	*13260 *29230	11240 24780	*9720 *21430	7100 15650	*7360 *16230	5100 11240			*6010 *13250	4610 10160	8.25 (27.1)
-4.5 m -15.0 ft	kg lb	*19280 *42510	*19280 *42510	*16520 *36420	*16520 *36420	*11550 *25460	11540 25440	*8370 *18450	7320 16140							

• Boom: 6.25 m (20' 6") • Arm: 3.75 m (12' 4") • Bucket: 1.27 m³ SAE heaped • Shoe : 600mm(24") triple grouser with 5.2ton(11,460 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)	
7.5 m 25.0 ft	kg lb														*3960 *8730	3850 8490	9.83 (32.3)
6.0 m 20.0 ft	kg lb									*4240 *9350	*4240 *9350	*2680 *5910	*2680 *5910		*4120 *9080	3310 7300	10.50 (34.4)
4.5 m 15.0 ft	kg lb									*4830 *10650	*4830 *10650	*3910 *8620	*3910 *8620		*4310 *9500	3000 6610	10.89 (35.7)
3.0 m 10.0 ft	kg lb			*14870 *32780	*14870 *32780	*8850 *19510	*8850 *19510	*6680 *14730	*6680 *14730	*5620 *12390	*5620 *12390	*4930 *10870	4100 9040		4420 9740	2850 6280	11.03 (36.2)
1.5 m 5.0 ft	kg lb			*9690 *21360	*9690 *21360	*11460 *25260	*11460 *25260	*8090 *17840	7620 16800	*6450 *14220	5350 11790	*5530 *12190	3940 8690		4420 9740	2830 6240	10.93 (35.9)
Ground Line	kg lb	*6990 *15410	*6990 *15410	*10660 *23500	*10660 *23500	*13120 *28920	11340 25000	*9190 *20260	7230 15940	*7130 *15120	5120 11290	5910 13030	3810 8400		4610 10160	2950 6500	10.60 (34.8)
-1.5 m -5.0 ft	kg lb	*9830 *21670	*9830 *21670	*13320 *29370	*13320 *29370	*13780 *30380	11080 24430	*9800 *21610	7020 15480	*7550 *16640	4980 10980	*4790 *10560	3740 8250		5060 11160	3260 7190	9.99 (32.8)
-3.0 m -10.0 ft	kg lb	*12870 *28370	*12870 *28370	*16990 *37460	*16990 *37460	*13590 *29960	11060 24380	*9840 *21690	6970 15370	*7530 *16600	4950 10910				*5610 *12370	3880 8550	9.04 (29.7)
-4.5 m -15.0 ft	kg lb	*16450 *36270	*16450 *36270	*18430 *40630	*18430 *40630	*12480 *27510	11250 24800	*9100 *20060	7080 15610						*5790 *12760	5250 11570	7.61 (25.0)