



Building a better future
Global Leader

Rolex NEW 7A SERIES

CRAWLER EXCAVATOR Applied Tier III Engine

290LC/NLC/HC-7A 290LC/LR-7A

■ Photo may include optional equipment



 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.

We build a better future

Robex 290LC-7A



Built for Maximum Power, Performance and Reliability.

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

Rolex 290LC-7A

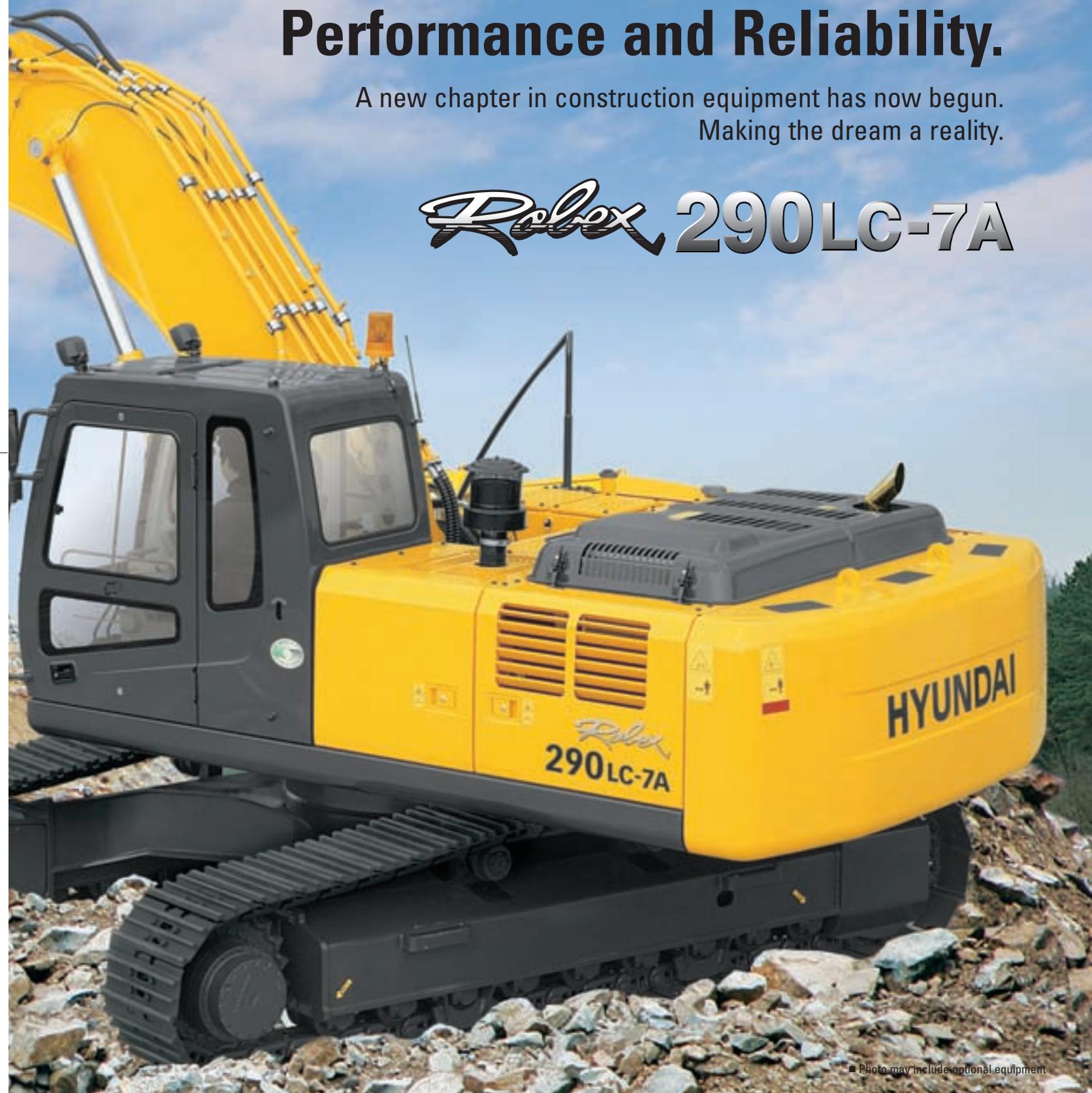


Photo may include optional equipment

Robex 290LC-7A

**Operator's Comfort is Our Main Concern.
Wide Cab Exceeding Industry Standards.**

Technology in Cab Design



Visibility

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



Excellent Ventilation

- Ventilation has been improved by using a 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 7A series was designed with low operation noise in mind.
- Hyundai's engineers made efforts 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.
- The use of 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 |
|--|---|

Radio CD Control





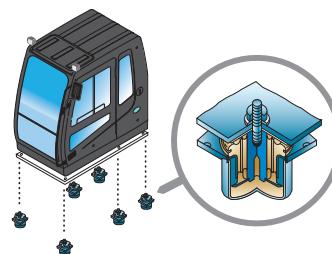
■ Photo may include optional equipment

Robex 290LC-7A



Improved Intelligent Display

The Instrument Panel is installed in front of the 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 the Viscous Mounting System to the cabin support provides the operator with a smoother ride. The operator's work efficiency will increase as the shock and noise level in the cabin decreases.

Operating Environment



▲ Storage box and Cup Holder

An additional storage box and cup holder are located behind the operator's seat, the box 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.



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





Maximum Protection



Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with multiple switches.

- | | |
|-------|---|
| Left | <ul style="list-style-type: none"> • Power boost • One touch deceleration • Optional (2) |
| Right | <ul style="list-style-type: none"> • Horn • Optional (3) |



Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator.

This helps to keep operator movements to a minimum, enhancing control with less operator fatigue.



Rear Emergency Exit Window

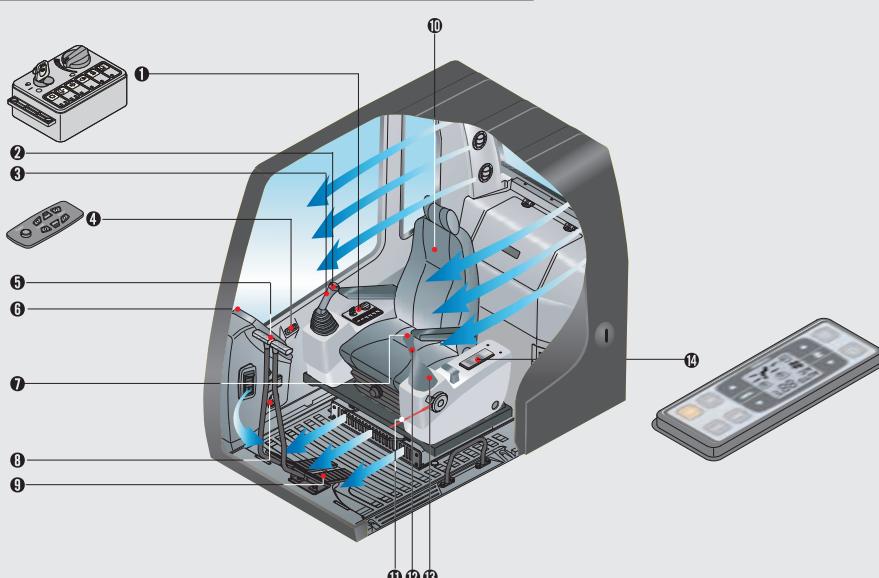
Rear Exit Window is designed with easy exit in emergency cases.



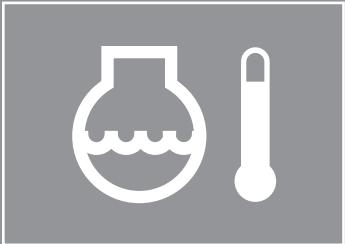
Raise-up Wiper and Cabin Lights

Raise-up wiper installed to enhance a better front view. Cabin Lights enhances safety by brightly lighting the surroundings in dark environments. (optional)

The better 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.



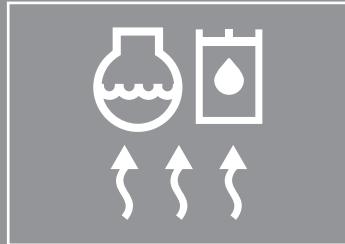
Anti Restart System

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

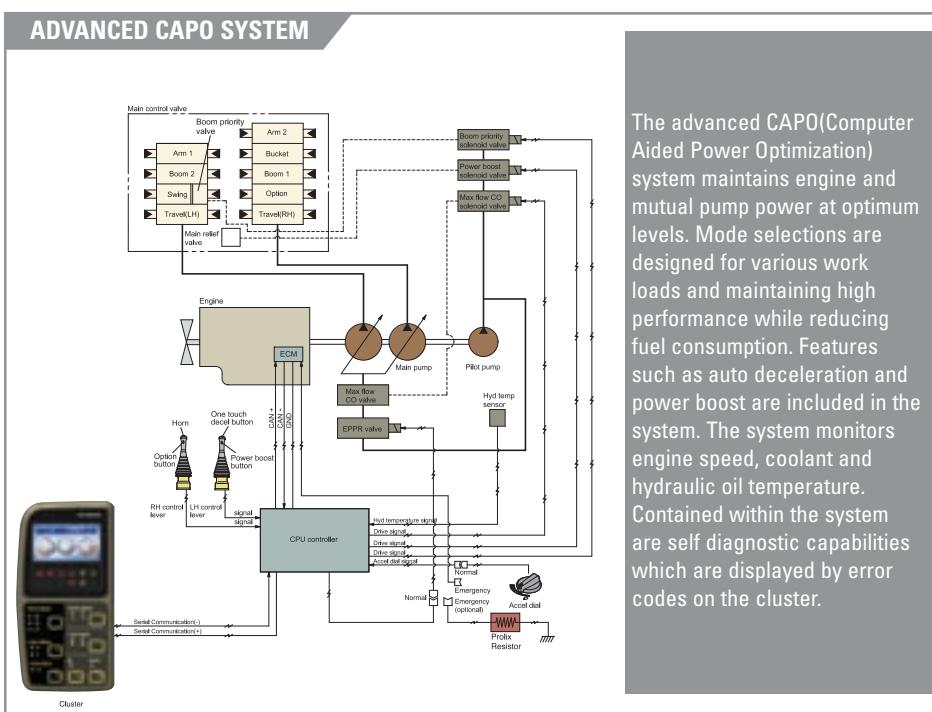
When the power boost system is activated, digging power increases about 10%. It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock.



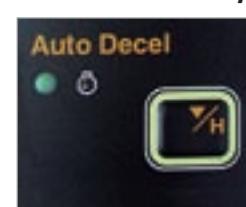
Automatic Warming-up System

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

Advanced Hydraulic System



Auto Deceleration System



When the remote-control valves are in neutral position more than 4 seconds, the CPU controller instructs the accelerator actuator to reduce engine speed to 1050 rpm. 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, allowing smooth operation.

Self Diagnostic 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. The information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hydraulic temperature, and the state of all types of electric switches, provides the operator with the exact condition of his machine. This instrument makes it easier to troubleshoot the machine in case of failure.

One Touch Deceleration System

When the one touch deceleration switch is pressed, the CPU controller controls the acceleration actuator to reduce engine speed to 800 rpm. Once this switch is pressed again, the engine speed recovers to its preset RPM

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 lowering over an extended period in neutral position.

Arm Flow Regeneration System

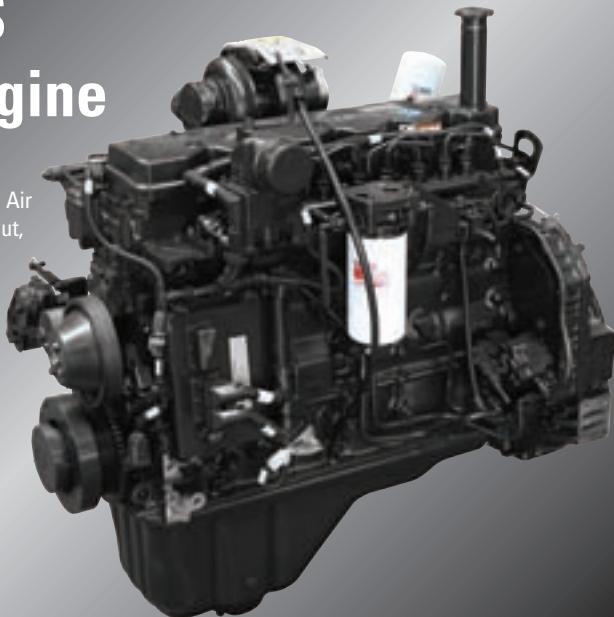
Arm flow regeneration valve provides smooth arm-in operation without cavitation.

Hydraulic Damper in Travel Pedal

Improved controllability & feeling during movement of the machine by use of shock reducing material.

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 response and reduced fuel consumption.

Increased Higher Performance

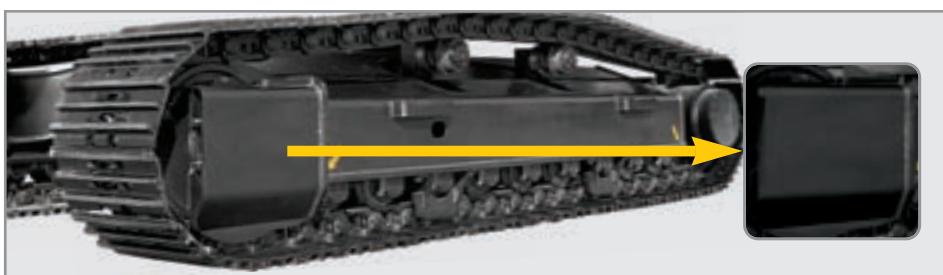


Strong and Stable Lower Frame

The reinforced box-section frame is all welded, with low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites. The use of highly durable upper and lower rollers and track guards ensures proper machine transfer on all terrains. The long undercarriage incorporates heavy duty excavator style components. An X-leg type center frame is integrally welded for maximum strength and durability.

Reinforced Bucket and Bucket Linkage

To prevent excessive wear of pins and bushes, sealed joints have been applied. Bucket link design incorporates high durability and anti-wear characteristics. Additional reinforcement plates on cutting edge section are welded. Thicker steel and an additional lateral plate are put in place to reinforce the bucket.



Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy by using a standard grease-operated cylinder track adjusters including shock absorbing springs. (Full Track Guide: Option)

Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping swing movement a precise and smooth action.



Robex 290LC-7A

Full open doors and the use of one master key provide easy access for servicing.

Reliability & Serviceability



Side Cover with Left & Right Swing Open Type

Easy access to vital components gives unrestricted view of components so to allow easy maintenance and repair.



Easy to maintain engine components

A 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 and the same compartment for easy service.



Highly efficient Hydraulic Pump

Pump output capacity has been increased.



Large tool box for extra storage



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

■ Photo may include optional equipment

Specifications R290LC/NLC/HC-7A



Engine

| Model | | Cummins QSB6.7 |
|-------------------------------------|-----|---|
| Type | | Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbo charged, charged air cooled and low emission |
| Rated flywheel horse power | SAE | J1995 (gross) 169 kW (227 HP) at 1,900 rpm J1349 (net) 147 kW (197 HP) at 1,900 rpm |
| | DIN | 6271/1 (gross) 169 kW (230 PS) at 1,900 rpm 6271/1 (net) 147 kW (200 PS) at 1,900 rpm |
| Max. torque | | 968 Nm (700 lbf.ft) at 1,400 rpm |
| Bore x stroke | | 104 x 132 mm (4.1" x 5.2") |
| Piston displacement | | 6,700 cc (409 cu in) |
| Batteries | | 2 x 12 V x 160 AH |
| Starting motor | | 24 V - 4,5 kW |
| Alternator | | 24 V - 50 Amp |



Hydraulic System

| Main pump | |
|---|--|
| Type | Two variable displacement piston pumps |
| Max. flow | 2 x 260 l/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 | 32.4 MPa (4,690 psi) |
| Travel | 32.4 MPa (4,690 psi) |
| Power boost (boom, arm, bucket) | 35.3 MPa (5,120 psi) |
| Swing circuit | 26.0 MPa (3,770 psi) |
| Pilot circuit | 3.4 MPa (498 psi) |
| Service valve | Installed |
| Hydraulic cylinders | |
| No. of cylinder bore x rod x stroke | Boom: 2-140 x 100 x 1,465 mm (5.5" x 3.9" x 57.7") Arm: 1-150 x 110 x 1,765 mm (5.9" x 4.3" x 69.5") Bucket: 1-140 x 95 x 1,185 mm (5.5" x 3.7" x 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 | 273 kN (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 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 | 10.6 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 track chains with double or 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

| Type | Width mm (in) | Operating weight | | Ground pressure |
|----------------|---------------|--|---|--|
| | | kg (lb) | MPa (psi) | |
| Triple grouser | ※ 600 (24) | R290LC-7A R290NLC-7A R290LC-7A H/C | 29,300 (64,600) 29,100 (64,150) 32,140 (70,860) | 0.055 (7.97) 0.054 (7.82) 0.061 (8.82) |
| | 700 (28) | R290LC-7A R290LC-7A H/C | 29,880 (65,870) 32,720 (72,140) | 0.048 (6.97) 0.053 (7.68) |
| | 800 (32) | R290LC-7A R290LC-7A H/C | 30,460 (67,150) 33,300 (73,410) | 0.043 (6.26) 0.047 (6.83) |
| Double grouser | 900 (36) | R290NLC-7A | 31,040 (68,430) | 0.037 (5.40) |
| Double grouser | 710 (28) | R290LC-7A H/C | 33,310 (73,440) | 0.053 (7.68) |

※ Standard equipment

Specifications R290LC/LR-7A



Engine

| Model | | Cummins QSB6.7 |
|-------------------------------------|----------------|---|
| Type | | Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbo charged, charged air cooled and low emission |
| Rated flywheel horse power | SAE | 169 kW (227 HP) at 1,900 rpm |
| | J1349 (net) | 147 kW (197 HP) at 1,900 rpm |
| DIN | 6271/1 (gross) | 169 kW (230 PS) at 1,900 rpm |
| | 6271/1 (net) | 147 kW (200 PS) at 1,900 rpm |
| Max. torque | | 968 Nm (700 lbf.ft) at 1,400 rpm |
| Bore x stroke | | 104 x 132 mm (4.1" x 5.2") |
| 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 | 2 x 260 l/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 | 32.4 MPa (4,690 psi) |
| Travel | 32.4 MPa (4,690 psi) |
| Boom/arm/bucket | 32.4 / 22.6 / 26.5 MPa (4,690 / 3,270 / 3,840 psi) |
| Swing circuit | 26.0 MPa (3,770 psi) |
| Pilot circuit | 3.4 MPa (500 psi) |
| Service valve | Installed |
| Hydraulic cylinders | |
| No. of cylinder | Boom: 2-140 x 100 x 1,465 mm (5.5" x 3.9" x 57.7") |
| bore x rod x stroke | Arm: 1-150 x 110 x 1,765 mm (5.9" x 4.3" x 69.5") |
| | Bucket: 1-100 x 70 x 870 mm (3.9" x 2.8" x 34.3") |



Drives & Brakes

| | |
|----------------------------------|---|
| Drive method | Fully hydrostatic type |
| Drive motor | Axial piston motor, in-shoe design |
| Reduction system | Planetary reduction gear |
| Max. drawbar pull | 273 kN (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 | 10.6 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 track chains with double or 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 10,200 mm (33' 6") boom, 7,805 mm (25' 9") arm, SAE heaped 0,51 m³ (0.67 yd³) backhoe bucket, and 800 mm (31' 5") triple grouser shoe, additional counterweight lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

| Major component weight | |
|------------------------|----------------------|
| Upperstructure | 7,040 kg (15,520 lb) |
| Counterweight | 6,200 kg (13,670 lb) |
| Attachments | 5,350 kg (11,790 lb) |

Operating weight

| Shoes | Operating weight | Ground pressure | | | |
|----------------|------------------|-----------------|-----------------|--------------|-----------|
| | | Type | Width mm (in) | kg (lb) | MPa (psi) |
| Triple grouser | ※ 800 (32) | R290LC/LR-7A | 31,890 (70,310) | 0.043 (6.26) | |

※ Standard equipment

Backhoe attachment



Buckets

| | | | | | | |
|-----------------------------------|-------------|--------------|-------------|----------------------------|------------------------------|------------------------------|
| | | | | | | |
| 0.79 (1.03) SAE heaped m³(yd³) | 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 | | 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 (R290LC/NLC-7A)

● : Applicable for materials with density of 2,000 kg / m³ (3,370 lb/ yd³) or less

■ : Heavy-duty

■ : Applicable for materials with density of 1,600 kg / m³ (2,700 lb/ yd³) or less

● : Rock bucket-Heavy

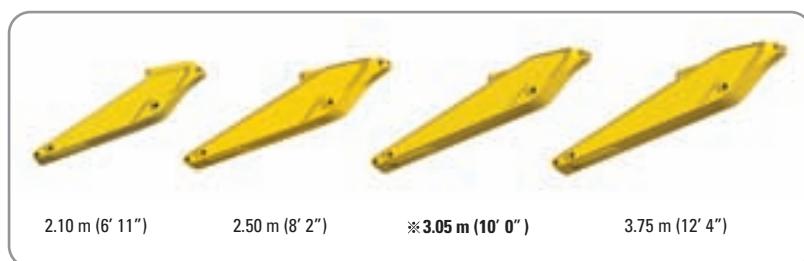
▲ : Applicable for materials with density of 1,100 kg / m³ (1,850 lb/ yd³) or less

Bucket Capacity R290LC/LR-7A: 0.22-0.51 m³ (0.29-0.67 yd³)



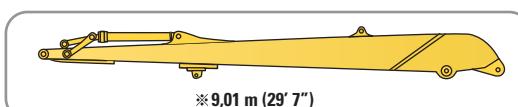
Arms - R290LC-7A, R290NLC-7A, R290HC-7A

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



Arms - R290LC/LR-7A

Boom and arms are of all-welded, low-stress, full-box section design. 10.20 m (33' 6") boom and 7.85 m (25' 9") arms are available. Buckets are all-welded, high-strength steel implements.



Long Reach Arm

| | |
|----------------|--------------------|
| Overall length | 9010 mm (29' 7") |
| Overall height | 870 mm (2' 10") |
| Weight | 1590 kg (3,510 lb) |



Digging force - R290LC-7A, R290NLC-7A, R290HC-7A

R290LC/LR-7A

| Arm | Length | mm (ft.in) | 2100 (6' 11") | 2500 (8' 2") | ※ 3050 (10' 0") | 3750 (12' 4") | ※ 9010 | Remark |
|----------------------|--------|------------------|---|---|---|---|------------------------|---------------------|
| | | | Weight | kg (lb) | 1410 (3,110) | 1390 (3,060) | 1500 (3,310) | |
| Bucket digging force | SAE | kN kgf lbf | 168.7 [184] 17200 [18,760] 37920 [41,370] | 69.6 7100 15,650 | []: Power Boost |
| | | kN kgf lbf | 192.2 [209.7] 19600 [21,380] 43210 [47,140] | 80.4 8200 18,080 | |
| Arm crowd force | SAE | kN kgf lbf | 169.7 [185.1] 17300 [18,870] 38140 [41,610] | 147.1 [160.5] 15000 [16,360] 33070 [36,080] | 123.6 [134.8] 12600 [13,750] 27780 [30,310] | 108.9 [118.8] 11100 [12,110] 24470 [26,690] | 43.3 4420 9,740 | |
| | | kN kgf lbf | 177.5 [193.6] 18100 [19,750] 39900 [43,530] | 154.0 [168.0] 15700 [17,130] 34610 [37,760] | 128.5 [140.2] 13100 [14,290] 28880 [31,510] | 111.8 [122.0] 11400 [12,440] 25130 [27,410] | 44.1 4500 9,920 | |

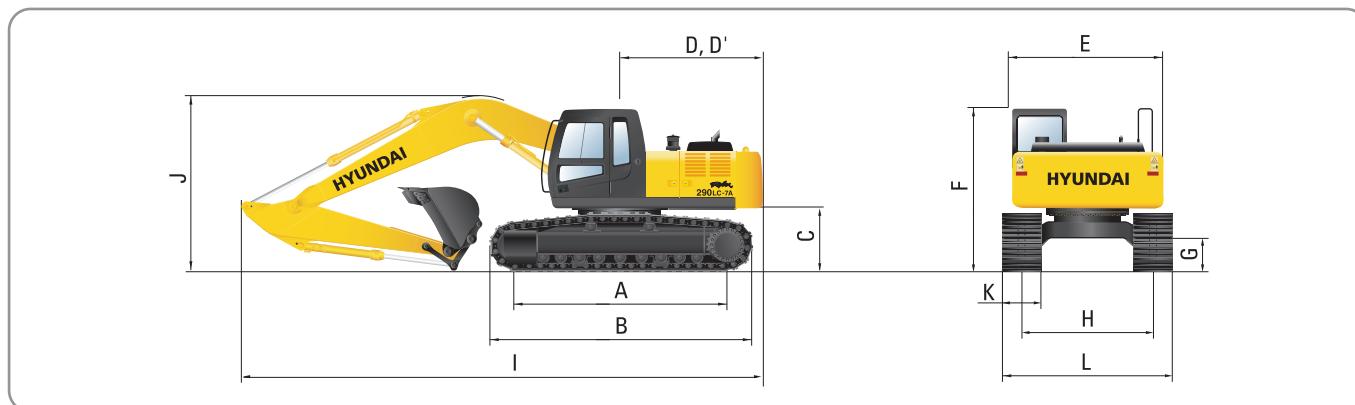
Note : Arm weight including bucket cylinder and linkage.

※ Standard equipment

Dimensions & Working Ranges



Dimensions - R290LC-7A, R290NLC-7A

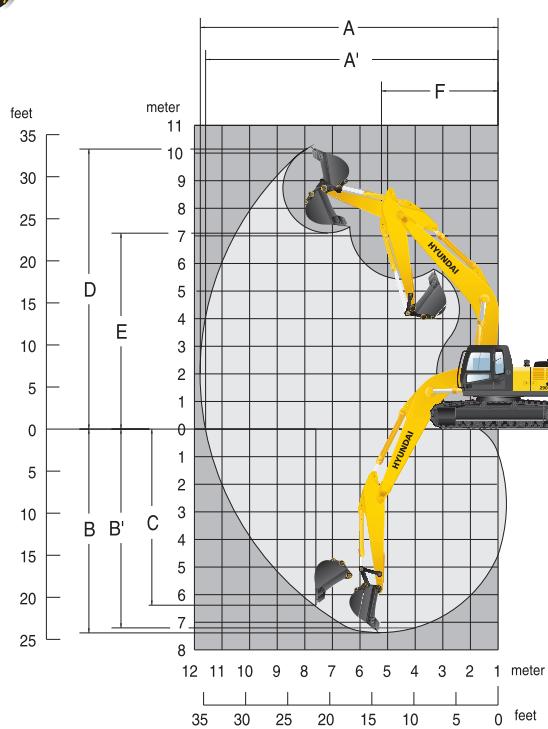


| mm (ft · in) | | |
|--------------|---|-------------------------------|
| A | Tumbler distance R290LC-7A R290NLC-7A | 4030 (13' 3") |
| B | Overall length of crawler | 4940 (16' 2") |
| C | Ground clearance of counterweight | 1190 (3' 11") |
| D | Tail swing radius | 3200 (10' 6") |
| D' | Rear-end 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 | 3200 (10' 6") R290LC-7A 2990 (9' 10") R290NLC-7A | 3300 (10' 10") 3400 (11' 2") 3500 (11' 6") - |



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



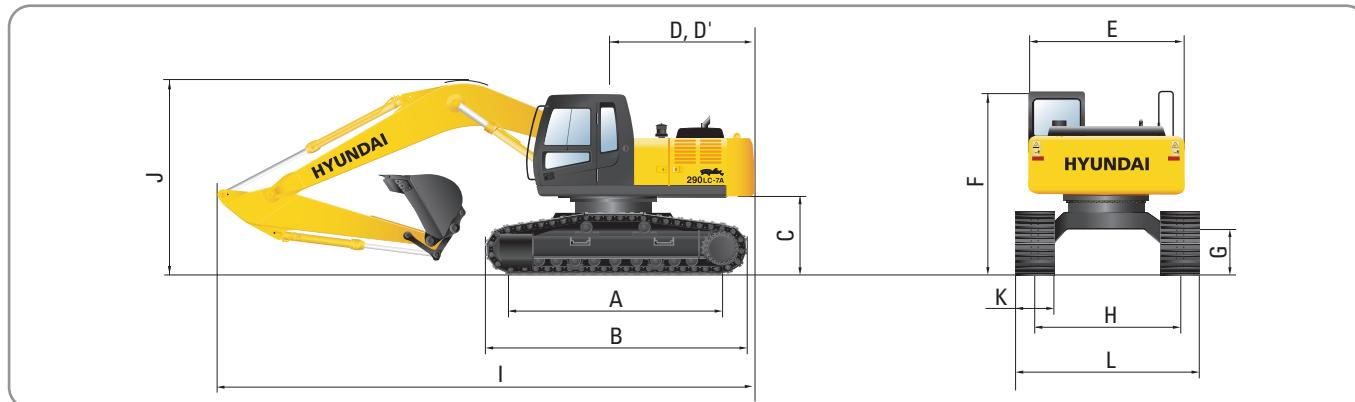
| mm (ft · in) | | |
|--------------|----------------------------------|---|
| | Boom length | ※ 6250 (20' 6") |
| | Arm length | 2100 (6' 11") 2500 (8' 2") ※ 3050 (10' 0") 3750 (12' 4") |
| A | Max. digging reach | 10020 (32' 10") 10280 (33' 7") |
| A' | Max. digging reach on ground | 9820 (32' 3") 10080 (33' 1") |
| B | Max. digging depth | 6440 (21' 1") 6840 (22' 5") |
| B' | Max. digging depth (8' level) | 6240 (20' 6") 6630 (21' 9") |
| C | Max. vertical wall digging depth | 6000 (19' 8") 5850 (19' 2") |
| D | Max. digging height | 10070 (33' 0") 10110 (33' 2") |
| E | Max. dumping height | 6940 (22' 9") 7030 (23' 1") |
| F | Min. swing radius | 4380 (14' 4") 4260 (13' 12") |

* Standard equipment

Dimensions & Working Ranges



Dimensions - R290LC-7A High Chassis

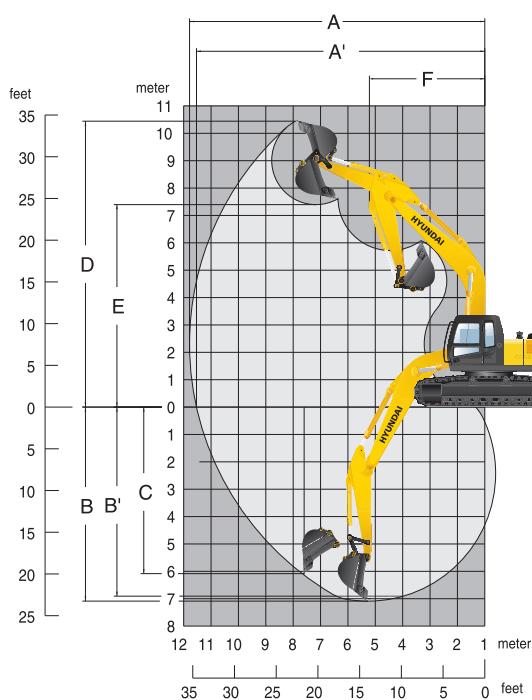


| | | mm (ft · in) |
|----|-----------------------------------|---------------|
| A | Tumbler distance | 4030 (13' 3") |
| B | Overall length of crawler | 4950 (16' 3") |
| C | Ground clearance of counterweight | 1500 (4' 11") |
| D | Tail swing radius | 3200 (10' 6") |
| D' | Rear-end length | 3120 (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") |

| | Boom length | | ※ 6250 (20' 6") | | |
|---|------------------------|------|-------------------|--------------------|--------------------|
| | Arm length | | 2100 (6' 11") | 2500 (8' 2") | ※ 3050 (10' 0") |
| I | Overall length | | 10690 (35' 1") | 10610 (34' 10") | 10430 (34' 3") |
| J | Overall height of boom | | 3740 (12' 3") | 3590 (11' 9") | 3350 (11' 0") |
| K | Track shoe width | Type | Triple grouser | Triple grouser | Triple grouser |
| | | | ※ 600 (24") | 700 (28") | 800 (32") |
| L | Overall width | | 3470 (11' 5") | 3570 (11' 9") | 3670 (12' 0") |
| | | | | | 3580 (11' 9") |



Working ranges - R290LC-7A High Chassis

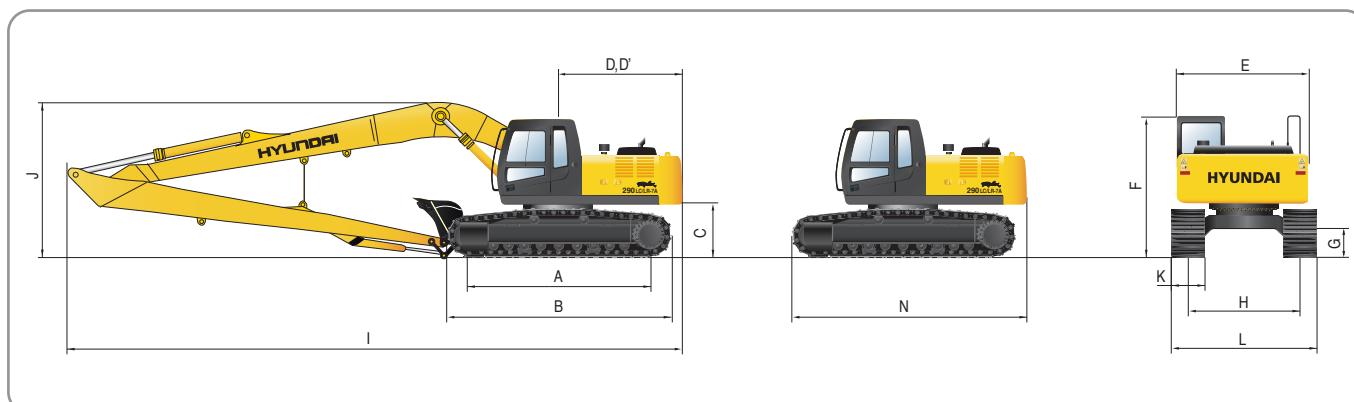


| | Boom length | | ※ 6250 (20' 6") | | |
|----|----------------------------------|--|--------------------|--------------------|--------------------|
| | Arm length | | 2100 (6' 11") | 2500 (8' 2") | ※ 3050 (10' 0") |
| A | Max. digging reach | | 10020 (32' 10") | 10280 (33' 7") | 10790 (35' 5") |
|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

* Standard equipment

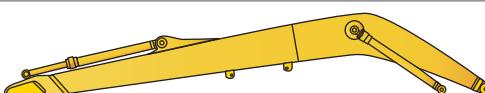


Dimensions - R290LC/LR-7A



| | | mm (ft · in) |
|----|-----------------------------------|----------------|
| A | Tumbler distance | 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 | 2600 (8' 6") |
| I | Overall length | 14550 (47' 9") |
| J | Overall height of boom | 3550 (11' 8") |
| K | Track shoe | 800 (31' 5") |

| | mm (ft · in) | |
|---|---------------------|---------------------|
| L | Overall width | 3400 (11' 2") |
| N | Overall length | 5590 (18' 4") |
| | Weight base machine | 26540 kg (58520 lb) |

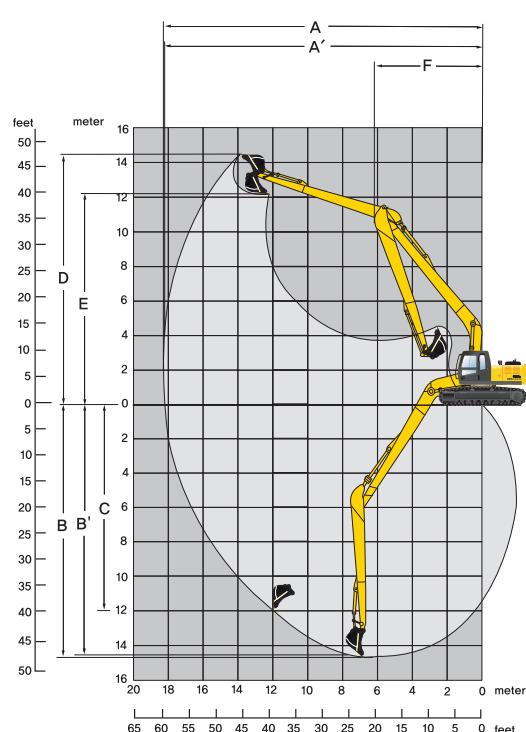


Long Reach Boom

| | |
|----------------|--------------------|
| Overall length | 10410 mm (29' 7") |
| Overall height | 1675 mm (2' 10") |
| Weight | 3320 kg (3,510 lb) |



Working ranges - R290LC/LR-7A



| | mm (ft · in) | |
|------------|----------------------------------|----------------|
| | * 10200 (33' 6") | |
| Arm length | * 7850 (25' 9") | |
| A | Max. digging reach | 18510 (60' 9") |
| A' | Max. digging reach on ground | 18400 (60' 4") |
| B | Max. digging depth | 14820 (48' 7") |
| B' | Max. digging depth (8' level) | 14690 (48' 2") |
| C | Max. vertical wall digging depth | 12020 (39' 5") |
| D | Max. digging height | 14500 (47' 7") |
| E | Max. dumping height | 12910 (40' 0") |
| F | Min. swing radius | 6250 (20' 6") |

* Standard equipment

Lifting Capacities



Lifting capacities - R290LC-7A



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: 600 mm (24") triple grouser with 5.2 ton (11,460 lb) counterweight

| Load point height m (ft) | | 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) | | At max. reach Capacity | | Reach | |
|--------------------------|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|----------------------|------------------------|----------------------|------------------------|--------------|
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | 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 |
| 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 13820 | 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: 600 mm (24") triple grouser with 5.2 ton (11,460 lb) counterweight

| Load point height m (ft) | | 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) | | At max. reach | | |
|--------------------------|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|----------------------|------------------------|----------------------|------------------------|------------------------|------------------------|----------------------|-----------------|
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | Reach | | |
| 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 | | 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 9330 | 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: 600 mm (24") triple grouser with 5.2 ton (11,460 lb) counterweight

| Load point height m (ft) | | 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) | | At max. reach | | | | |
|--------------------------|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|---------------------|-----------------|
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | Reach | | | | |
| 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 | *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 | *16240 *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 | *18940 *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: 800 mm (32") triple grouser with 5.2 ton (11,460 lb) counterweight

| Load point height m (ft) | kg lb | 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 | | | | | | | | | |
| 7.5m 25.0ft | kg lb | | | | | | | *4460 *9830 | 4000 8820 | 8.94 (29.3) | | | | | | | | |
| 6.0m 20.0ft | kg lb | | | | | | | *4910 *10820 *10820 | | 9.74 | | | | | | | | |
| 4.5m 15.0ft | kg lb | | | | | *5960 *13140 | *5960 *13140 | 5390 11380 | 5160 | 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



Rating over-front



Rating over-side or 360 degree

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

| Load point height m (ft) | kg lb | 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 | 10930 11530 | 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 | *15750 *38740 | 17570 38740 | *12710 *28020 | 8410 18540 | *9440 *20810 | 5370 11840 | | | *6180 *13620 | 4130 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: 600 mm (24") triple grouser with 5.2 ton (11,460 lb) counterweight

| Load point height m (ft) | kg lb | 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 | 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 | | | | | | | | |

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.

Lifting Capacities

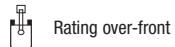
• Boom: 6.25 m (20' 6") • Arm: 3.05 m (10' 0") • Bucket: 1.27 m³ SAE heaped • Shoe: 600 mm (24") triple grouser with 5.2 ton (11,460 lb) counterweight

| 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 | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | *4460 *9830 | 3460 7630 | 8.94 (29.3) | | | | | | |
| 6.0 m 20.0 ft | kg lb | | | | | | | *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: 600 mm (24") triple grouser with 5.2 ton (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 | | | | | | | |
| 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 | *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 | 37500 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 | *12760 *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: 600 mm (24") triple grouser with 5.2 ton (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 | | | | | | | |
| 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 | *5990 *15060 | *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 | *14820 *23390 | *10610 *23390 | *10610 *23390 | | | | | | | | |

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: 600 mm (24") triple grouser with 5.2 ton (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 | | | | | |
| 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 | 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 *30640 | *13900 *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: 600 mm (24") triple grouser with 5.2 ton (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 | | | | | |
| 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 *4120 3310 7300 10.50 (34.4) | | | | | |
| 4.5 m 15.0 ft | kg lb | | | | | | | *10650 *10650 | *4830 *10650 *4830 *8620 *3910 *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 9040 4100 9740 4420 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 *12190 | 3940 8690 4420 9740 4420 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 *15720 | 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 | *13320 *30380 | *13780 *24430 | *9800 *21610 | 7020 15480 | *7550 *10980 | 4980 *10560 | *4790 *10560 | 3740 8250 5060 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) |

• 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 | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | *3320 *7320 | *3320 *7320 *4480 *9880 9.12 (29.9) | | | | | |
| 6.0 m 20.0 ft | kg lb | | | | | | | *4980 *10980 | *4980 *10980 *4640 *10230 9.85 (32.3) | | | | | |
| 4.5 m 15.0 ft | kg lb | | | | | *6190 *13650 | *6190 *13650 | *5510 *12150 | *5510 *12150 *2920 *6440 *4820 *10630 10.26 (33.7) | | | | | |
| 3.0 m 10.0 ft | kg lb | | | *10340 *22800 | *10340 *22800 | *7540 *16620 | *7540 *16620 | *6230 *13730 | 6210 13690 | *4340 *9570 | *5040 *11110 *7960 3610 10.41 (34.2) | | | |
| 1.5 m 5.0 ft | kg lb | *6870 *15150 | *6870 *15150 | *12590 *27760 | *12590 *27760 | *8800 *19400 | 8380 18470 | *6960 *15340 | 5950 13120 | *4920 *10850 | *4450 *9810 | *5280 *11640 *7960 3610 10.31 (33.8) | | |
| Ground Line | kg lb | *10280 *22660 | *10280 *22660 | *13720 *30250 | 12620 27820 | *9670 *21320 | 8070 17790 | *7510 *16560 | 5760 12700 | | *5540 *12210 | 3790 8360 9.95 (32.6) | | |
| -1.5 m -5.0 ft | kg lb | *11050 *24360 | *11050 *24360 | *14280 *31480 | *14280 *31480 | *13890 *30620 | 12510 27580 | *10020 *22090 | 7940 17500 | *7720 *17020 | 5680 12520 | | *5810 *12810 | 4230 9330 9.29 (30.5) |
| -3.0 m -10.0 ft | kg lb | *14810 *32650 | *14810 *32650 | *19220 *42370 | *19220 *42370 | *13250 *29210 | 12600 27780 | *9720 *21430 | 7960 17550 | *7350 *16200 | 5720 12610 | | *6010 *13250 | 5170 11400 8.24 (27.0) |
| -4.5 m -15.0 ft | kg lb | *19310 *42570 | *19310 *42570 | *16500 *36380 | *16500 *36380 | *11530 *25420 | *11530 *18410 | *8350 *18060 | 8190 18060 | | | | | |

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.

Lifting Capacities



Lifting capacities - R290LC/LR-7A



Rating over-front



Rating over-side or 360 degree

- Boom: 10.2 m (33' 6")
- Arm: 7.85 m (25' 9")
- Bucket: 0.51 m³ SAE heaped
- Shoe: 800 mm (31.5") triple grouser with 6.2 ton (13,670 lb) counterweight

| Load point height m (ft) | | Load radius | | | | | | | | At max. reach Capacity | | Reach m (ft) | | |
|-----------------------------|----------|-------------------------|-------------------------|------------------------|----------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------|-----------------------|-----------------------|---------------------|
| | | 3.0 m (10.0 ft) | | 6.0 m (20.0 ft) | | 9.0 m (30.0 ft) | | 12.0 m (40.0 ft) | | 15.0 m (50.0 ft) | | | | |
| 12.0m 40.0ft | kg lb | | | | | | | | | | | *1680 *3700 | *1680 *3700 | 15.27 (50.1) |
| 9.0m 30.0ft | kg lb | | | | | | | | | | | *1420 *3130 | *1420 *3130 | 1480 3260 |
| 6.0m 20.0ft | kg lb | | | | | | | | | | | *1890 *4170 | 1870 4120 | 1200 2650 |
| 3.0m 10.0ft | kg lb | | | | | *3070 *6770 | *3070 *6770 | *2460 *5420 | *2460 *5420 | *2150 *4740 | 1690 3730 | 1990 4390 | 1050 2310 | 18.20 (59.7) |
| Ground Line | kg lb | *3780 *8330 | *3780 *8330 | *6900 *15210 | 6380 14070 | *4120 *9080 | *3650 *8050 | *3010 *6640 | 2310 5090 | *2460 *5420 | 1500 3310 | 1940 4280 | 1000 2200 | 18.04 (59.2) |
| -3.0m -10.0ft | kg lb | *5080 *11200 | *5080 *11200 | *8210 *18100 | 5540 12210 | *4920 *10850 | 3150 6940 | *3480 *7670 | 2030 4480 | 2540 5600 | 1360 3000 | 2030 4480 | 1040 2290 | 17.33 (56.9) |
| -6.0m -20.0ft | kg lb | *6810 *15010 | *6810 *15010 | *8560 *18870 | 5370 11840 | 5280 11640 | 2950 6500 | 3470 7650 | 1900 4190 | 2490 5490 | 1320 2910 | 2320 5110 | 1230 2710 | 15.99 (52.5) |
| -9.0m -30.0ft | kg lb | *8960 *19750 | *8960 *19750 | *8130 *17920 | 5570 12280 | *5210 *11490 | 3000 6610 | 3520 7760 | 1950 4300 | | | *2900 *6390 | 1670 3680 | 13.83 (45.4) |
| -12.0m -40.0ft | kg lb | *11900 *26230 | *11900 *26230 | *6630 *14620 | 6100 13450 | *4260 *3930 | 3330 7340 | | | | | | | |

NOTES

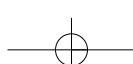
1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.



Notes





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

Sun visor for cabin inside**Air-conditioner (5,000 kcal/hr; 20,000 BTU/hr)****Self diagnostic system****FATC (Full Automatic Temperature Control)****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****Safety lock valve for boom cylinder with overload warning device****Counterweight (5,200 kg; 11,460 lb)****mono boom (6.25 m; 20' 6")****Arm (3.05 m; 10' 0")****Track shoes (600 mm; 23.6")****Track rail guard****AM/FM radio and CD**

- Radio remote switch

Radio remote switch**Console box tilting system (L.H.)****Three front working light****Electric horn****Batteries (2 x 12 V x 160 AH)****Battery master switch****Starting Aid (air grille heater) cold weather****Fuel warmer****Single acting piping kit (breaker, etc)****Double acting piping kit (cramshell, etc)****Fuel filler pump (35 l/min; 9.5 USgpm)****Optional Equipment****Heater (7,500 kcal/hr; 30,000 BTU/hr) & Defroster****Beacon lamp****Safety lock valve for arm cylinder****Quick Coupler****Accumulator, work equipment lowering****12 volt power supply (DC-DC converter)****Electric. transducer****Travel alarm****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 bucket (1.16 m³; 1.52 yd³)
- Rock 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
- Mechanical suspension seat with heater
- Adjustable air suspension with heater

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. Materials and specifications are subject to change without notice.

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EN - 2007. 07 Rev 0.