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 gride 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 gride 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 m^3, 1.66 yd^3)
- Narrow bucket (0.79 m^3, 1.03 yd^3)
- Narrow bucket (1.03 m^3, 1.35 yd^3)
- Light duty bucket (1.50 m^3, 1.96 yd^3)
- Light duty bucket (1.73 m^3, 2.26 yd^3)
- Light duty bucket (1.85 m^3, 2.42 yd^3)
- Heavy duty bucket (1.07 m^3, 1.40 yd^3)
- Heavy duty bucket (1.15 m^3, 1.50 yd^3)
- Heavy duty bucket (1.27 m^3, 1.66 yd^3)
- Heavy duty bucket (1.46 m^3, 1.91 yd^3)
- Rock-Heavy duty bucket (1.16 m^3, 1.52 yd^3)
- Rock-Heavy duty bucket (1.49 m^3, 1.95 yd^3)

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)

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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HEAVY INDUSTRIES CO.,LTD.
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PLEASE CONTACT

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*Photo may include optional equipment.

We build a better future

Robex CRAWLER EXCAVATOR Applied Tier 3 Engine

290LC-7A

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

Built for Maximum Power, Performance, Reliability.

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

Robex 290LC-7A

*Photo may include optional equipment.

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

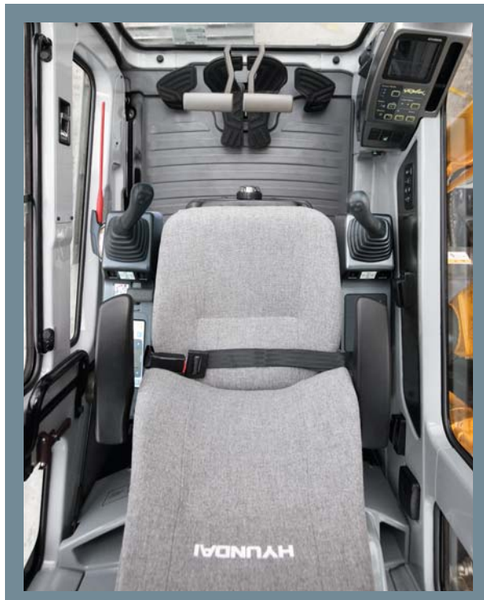
Technology in Cab Design

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.

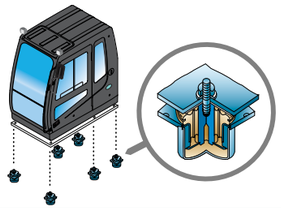
Low noise design
- The Robex 7series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated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



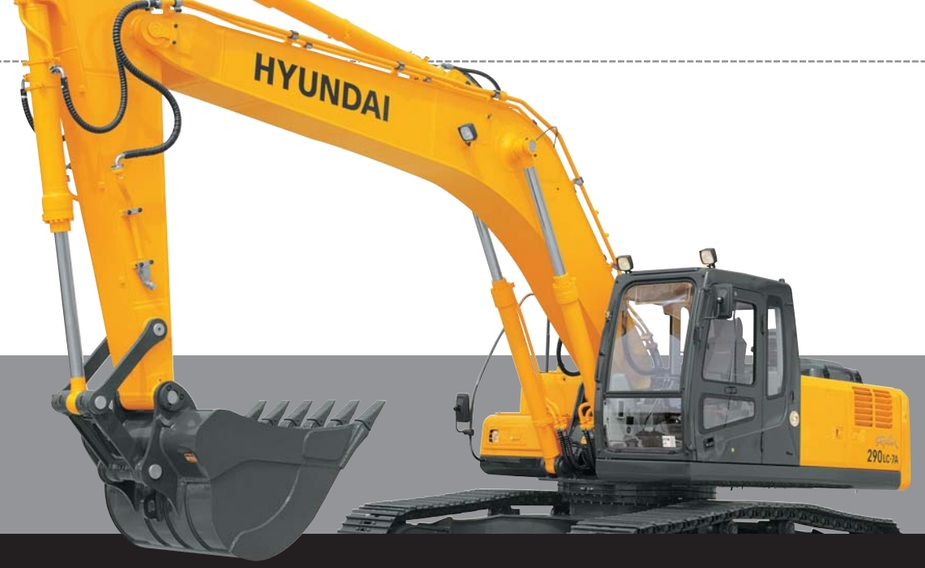
1 Wide, Comfortable Operating Space
2 Steel Cover Sunroof
3 Dial Type Engine Speed Switch and / Key Switch

Radio/ USB Player & Remote Control Switch

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.



Operating Environment

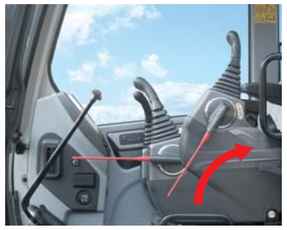
Maximum Protection

▲ 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.

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



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

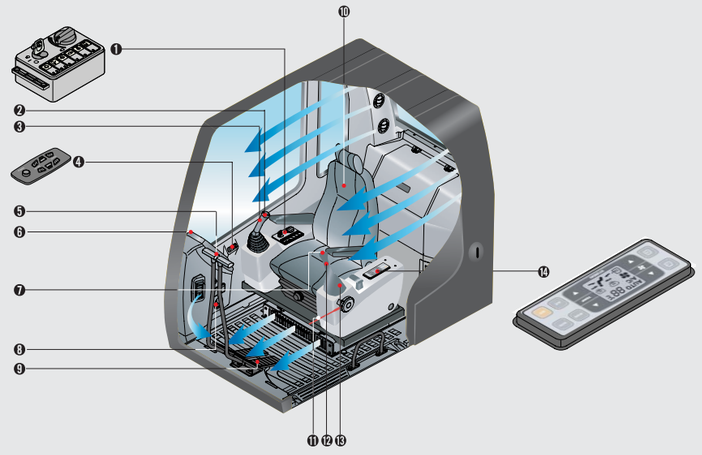
Left	Power boost One touch deceleration Dummy
Right	Horn/Optional/Dummy

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.

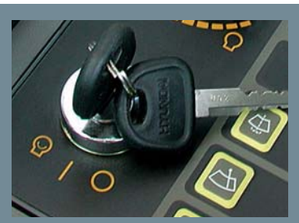
Raise-up Wiper and Cabin Lights
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)

The best working conditions in a pleasant environment.

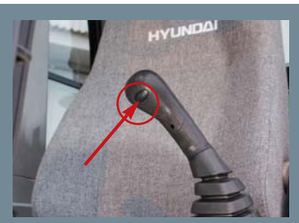


❶Centralized control panel
❷Horn button
❸Option button
❹Remote Radio control
❺Travel lever
❻Cluster
❼One touch decel button
❽Hour meter
❾Travel pedal
❿Fully adjustable suspension seat
⓫Safety lever
⓬Power boost button
⓭Joystick control lever
⓮Air Conditioner and Heater controller

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.

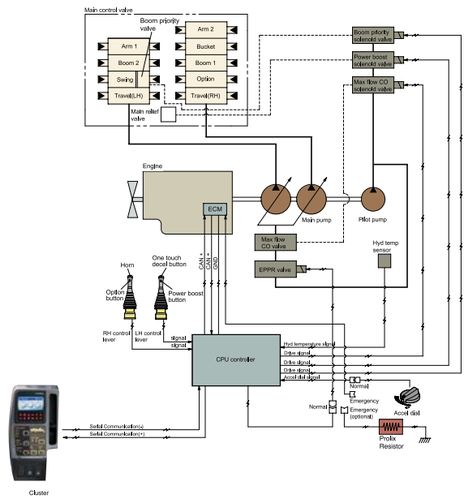


Power boost control System
When the power boost system is activated, digging power increases about 10%.
It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.

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.

NEW MODE CONTROL SYSTEM

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

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.

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.

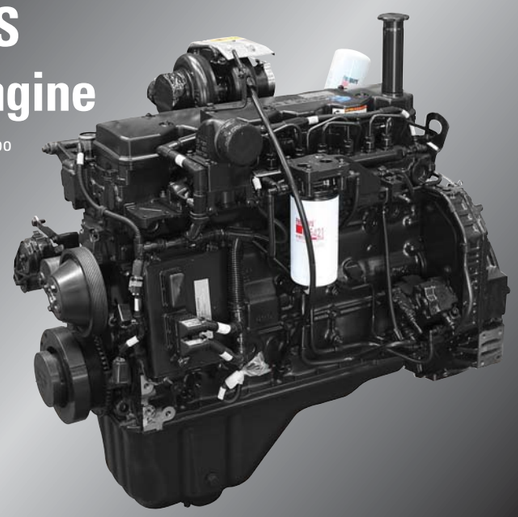
Boom & Arm Holding System
The Holding valves in the main control valve prevents the boom & arm from dropping over an extended period in neutral position.

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.

CUMMINS QSB6.7 Engine

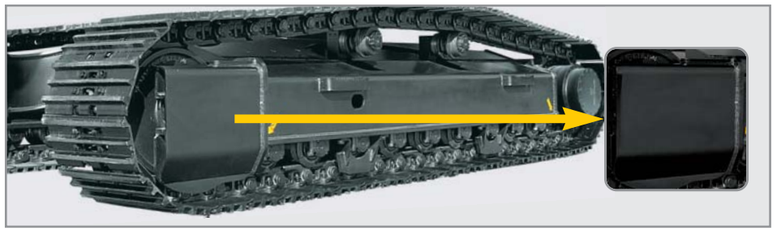
The six cylinder 4 cycle Turbo Charged Engine with Charged Air Cooling, Has High Power output, Reliability, economical, and low emission.
This engine meets Tier III emissions regulations.



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

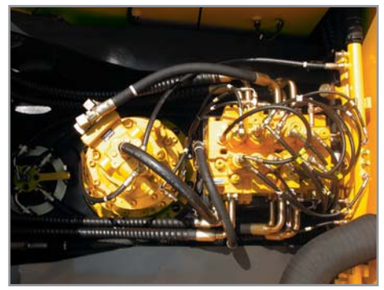
Strong and Stable Lower Frame
Reinforced box-section frame is all welded, low-stress, high-strength steel.
It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower 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)

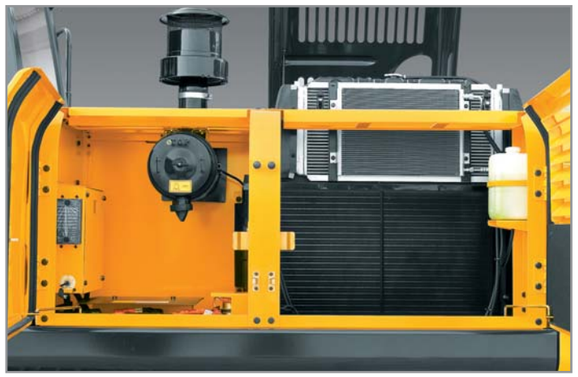
Reinforced Bucket and Bucket Linkage
Sealed and adjustable bucket linkage provides less wear of pins and bushes
as well as silent operation.The design includes bucket link durability and anti wear characteristics. Additional reinforcement plates on cutting edge section. Reinforced bucket is made with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

Powerful and Preciser Swing Control
Improved shock absorbing characteristics make stopping a precise and smooth action



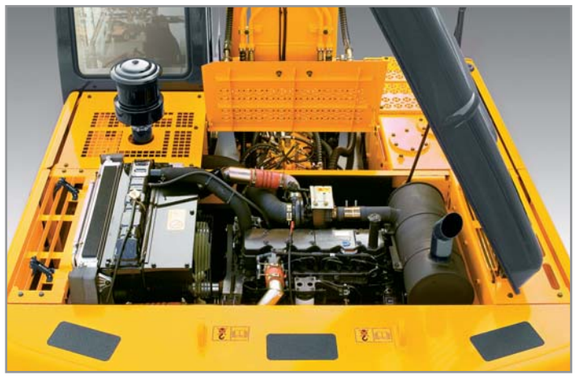
Full open doors and master key system
provide easy access for servicing.

Reliability & Serviceability



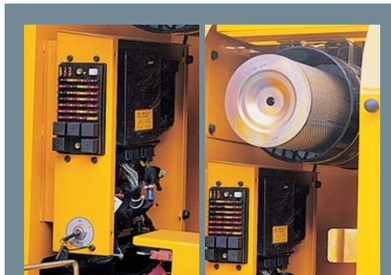
Side Cover with Left & Right Swing Open Type

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



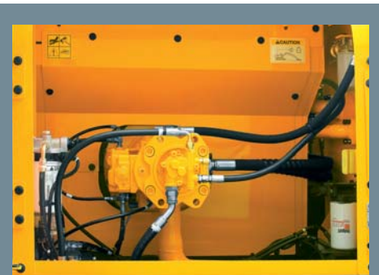
Easy to maintain engine components

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.

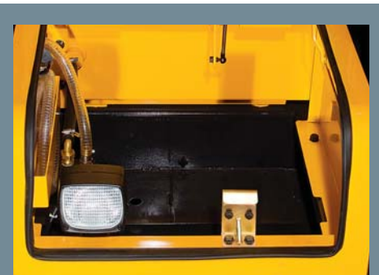


Centralized Electric Control Box and Easy Change Air Cleaner Assembly

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.

*Photo may include optional equipment.

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/cm² (4690 psi)
Travel	330 kgf/cm² (4690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5120 psi)
Swing circuit	265 kgf/cm² (3770 psi)
Pilot circuit	35 kgf/cm² (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)

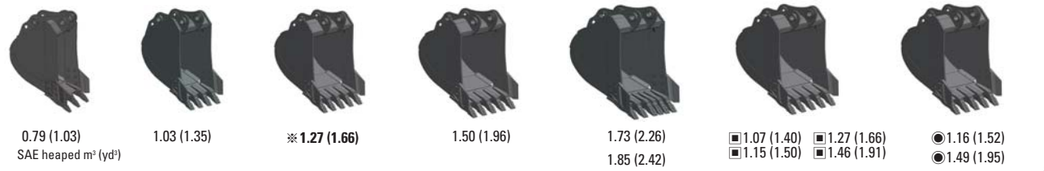
Operating weight

Shoes		Operating weight		Ground pressure
Type	Width mm(in)	kg(lb)		kgf/cm²(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)
		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)
	900 mm (36″)	R290NLC-7A	31,040(68,430)	0.38 (5.40)
Double grouser	710 mm (28″)	R290LC-7A H/C	33,310(73,440)	0.54 (7.68)

※Standard equipment

Backhoe attachment

Buckets



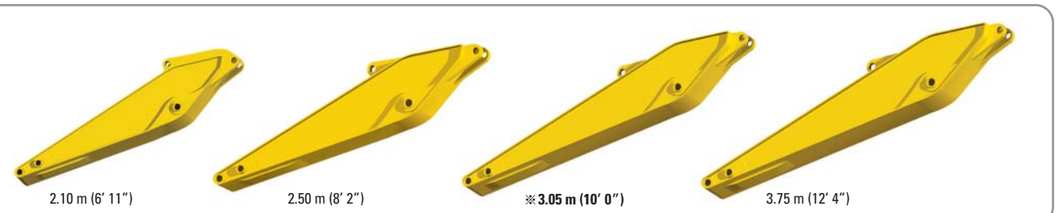
Capacity m³ (yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)				
					Boom	6250 (20′ 6″)			
SAE heaped	CECE heaped	Without side cutters	With side cutters		Arm	2100 (6′ 11″)	2500 (8′ 2″)	3050 (10′ 0″)	3750 (12′ 4″)
0.79 (1.03)	0.70 (0.92)	890 (35.0)	1010 (39.8)	790(1740)		●	●	●	●
1.03 (1.35)	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.



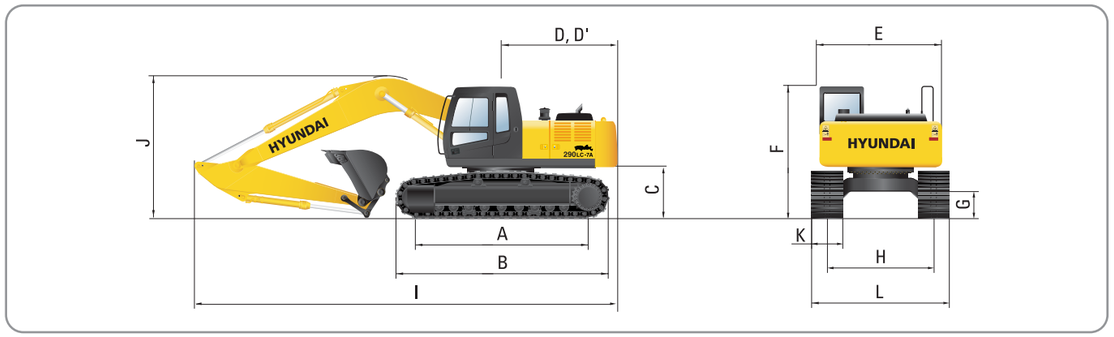
Digging force

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]	
		lbf	37920 [41370]	37920 [41370]	**37920 [41370]**	37920 [41370]	
	ISO	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]	
		lbf	43210 [47140]	43210 [47140]	**43210 [47140]**	43210 [47140]	
Arm crowd force	SAE	kN	169.7 [185.1]	147.1 [160.5]	**123.6 [134.8]**	108.9 [118.8]	
		kgf	17300 [18870]	15000 [16360]	**12600 [13750]**	11100 [12110]	
		lbf	38140 [41610]	33070 [36080]	**27780 [30310]**	24470 [26690]	
	ISO	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]	
		lbf	39900 [43530]	34610 [37760]	**28880 [31510]**	25130 [27410]	

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

Dimensions & Working ranges

Dimensions - R290LC-7A, R290NLC-7A



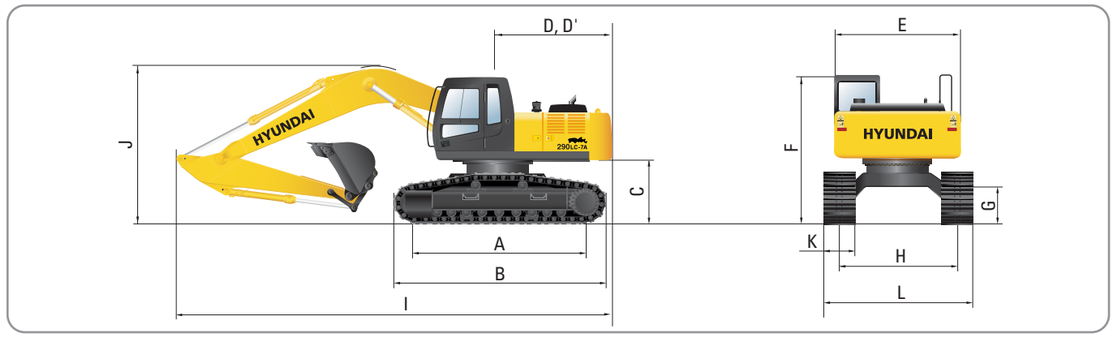
mm (ft · in)

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″)	3500 (11′ 6″)
	Overall width R290NLC-7A	**2990 (9′ 10″)**	-	-	-

Dimensions - R290LC-7A High Chassis



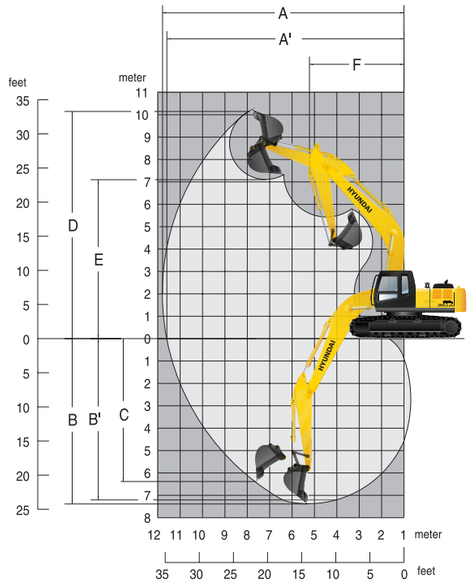
mm (ft · in)

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	Double grouser
		Width	※**600 (24″)**	700 (28″)	800 (32″)	710 (28″)
L	Overall width		**3470 (11′ 5″)**	3570 (11′ 9″)	3670 (12′ 0″)	3580 (11′ 9″)

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

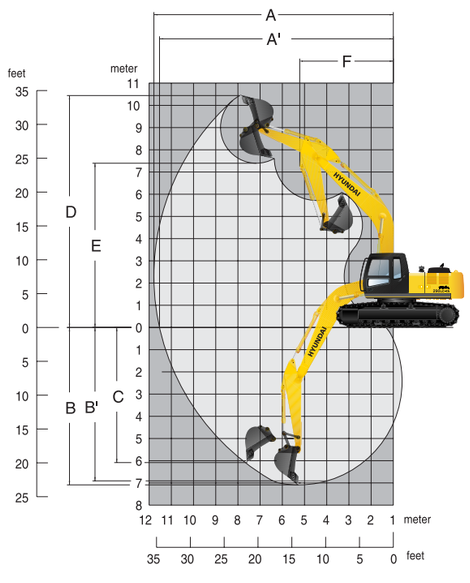


mm (ft · in)

	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

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 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
														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 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 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 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 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 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 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

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

Load point height m(ft)		Load radius 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
												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**	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** : 600mm(24″) triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius 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
														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**							

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

Load point height m(ft)		Load radius 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 Capacity		Reach
																m (ft)
7.5 m **25.0 ft**	kg													*4460	3460	8.94
	lb													***9830**	**7630**	**(29.3)**
6.0 m **20.0 ft**	kg									*4910	4670			*4600	2830	9.74
	lb									***10820**	**10300**			***10140**	**6240**	**(32.0)**
4.5 m **15.0 ft**	kg							*5960	*5960	*5390	4480			4610	2480	10.20
	lb							***13140**	***13140**	***11880**	**9880**			**10160**	**5470**	**(33.5)**
3.0 m **10.0 ft**	kg			*9910	*9910	*9820	9600	*7280	6110	*6090	4220	*4140	3010	4370	2310	10.40
	lb			***21850**	***21850**	***21650**	**21160**	***16050**	**13470**	***13430**	**9300**	***9130**	**6640**	**9630**	**5090**	**(34.1)**
1.5 m **5.0 ft**	kg					*12250	8690	*8590	5650	*6830	3960	*4900	2880	4340	2270	10.35
	lb					***27010**	**19160**	***18940**	**12460**	***15060**	**8730**	***10800**	**6350**	**9570**	**5000**	**(34.0)**
Ground Line	kg			*9590	*9590	*13580	8220	*9550	5320	7110	3770	*4310	2780	4520	2360	10.04
	lb			***21140**	***21140**	***29940**	**18120**	***21050**	**11730**	**15670**	**8310**	***9500**	**6150**	**9960**	**5200**	**(32.9)**
-1.5 m **-5.0 ft**	kg	*10390	*10390	*13470	*13470	*13920	8080	*10000	5170	6990	3660			4990	2630	9.44
	lb	***22910**	***22910**	***29700**	***29700**	***30690**	**17810**	***22050**	**11400**	**15410**	**8070**			**11000**	**5800**	**(31.0)**
-3.0 m **-10.0 ft**	kg	*14060	*14060	*18180	16660	*13440	8130	*9830	5160	7010	3680			*5980	3220	8.48
	lb	***31000**	***31000**	***40080**	**36730**	***29630**	**17920**	***21670**	**11380**	**15450**	**8110**			***13180**	**7100**	**(27.8)**
-4.5 m **-15.0 ft**	kg	*18380	*18380	*17190	17140	*11970	8370	*8750	5330					*5960	4600	6.97
	lb	***40520**	***40520**	***37900**	**37790**	***26390**	**18450**	***19290**	**11750**					***13140**	**10140**	**(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 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 Capacity		Reach
																m (ft)
7.5 m **25.0 ft**	kg													*3930	2980	9.67
	lb													***8660**	**6570**	**(31.7)**
6.0 m **20.0 ft**	kg									*4160	*4160	*2370	*2370	*4090	2470	10.40
	lb									***9170**	***9170**	***5220**	***5220**	***9020**	**5450**	**(34.1)**
4.5 m **15.0 ft**	kg									*4710	4560	*3720	3180	4140	2180	10.83
	lb									***10380**	**10050**	***8200**	**7010**	**9130**	**4810**	**(35.5)**
3.0 m **10.0 ft**	kg			*13490	*13490	*8320	*8320	*6410	6280	*5470	4280	*4740	3030	3930	2020	11.02
	lb			***29740**	***29740**	***18340**	***18340**	***14130**	**13850**	***12060**	**9440**	***10450**	**6680**	**8660**	**4450**	**(36.2)**
1.5 m **5.0 ft**	kg			*9980	*9980	*11050	8990	*7850	5760	*6300	3990	5420	2870	3890	1980	10.97
	lb			***22000**	***22000**	***24360**	**19820**	***17310**	**12700**	***13890**	**8800**	**11950**	**6330**	**8580**	**4370**	**(36.0)**
Ground Line	kg	*6470	*6470	*10300	*10300	*12890	8320	*9020	5360	*7030	3750	5270	2740	4030	2040	10.68
	lb	***14260**	***14260**	***22710**	***22710**	***28420**	**18340**	***19890**	**11820**	***15500**	**8270**	**11620**	**6040**	**8880**	**4500**	**(35.0)**
-1.5 m **-5.0 ft**	kg	*9310	*9310	*12760	*12760	*13720	8020	*9730	5120	6930	3600	5180	2660	4380	2250	10.12
	lb	***20530**	***20530**	***28130**	***28130**	***30250**	**17680**	***21450**	**11290**	**15280**	**7940**	**11420**	**5860**	**9660**	**4960**	**(33.2)**
-3.0 m **-10.0 ft**	kg	*12290	*12290	*16240	*16240	*13690	7970	*9880	5050	6880	3550			5110	2680	9.25
	lb	***27090**	***27090**	***35800**	***35800**	***30180**	**17570**	***21780**	**11130**	**15170**	**7830**			**11270**	**5910**	**(30.3)**
-4.5 m **-15.0 ft**	kg	*15740	*15740	*18940	16670	*12770	8120	*9310	5120					*5780	3590	7.92
	lb	***34700**	***34700**	***41760**	**36750**	***28150**	**17900**	***20530**	**11290**					***12740**	**7910**	**(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 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
														m (ft)
7.5 m **25.0 ft**	kg											*4910	*4910	8.52
	lb											***10820**	***10820**	**(28.0)**
6.0 m **20.0 ft**	kg							*5770	*5770	*5520	*5520	*5060	4120	9.30
	lb							***12720**	***12720**	***12170**	***12170**	***11160**	**9080**	**(30.5)**
4.5 m **15.0 ft**	kg					*8660	*8660	*6830	*6830	*5990	5790	*5240	3690	9.75
	lb					***19090**	***19090**	***15060**	***15060**	***13210**	**12760**	***11550**	**8140**	**(32.0)**
3.0 m **10.0 ft**	kg					*11380	*11380	*8130	7900	*6650	5550	5330	3500	9.91
	lb					***25090**	***25090**	***17920**	**17420**	***14660**	**12240**	**11750**	**7720**	**(32.5)**
1.5 m **5.0 ft**	kg					*13300	11560	*9260	7490	*7300	5330	5350	3500	9.80
	lb					***29320**	**25490**	***20410**	**16510**	***16090**	**11750**	**11790**	**7720**	**(32.2)**
Ground Line	kg			*9530	*9530	*14010	11290	*9960	7240	*7730	5180	5680	3710	9.42
	lb			***21010**	***21010**	***30890**	**24890**	***21960**	**15960**	***17040**	**11420**	**12520**	**8180**	**(30.9)**
-1.5 m **-5.0 ft**	kg	*12300	*12300	*15460	*15460	*13840	11280	*10100	7170	*7780	5140	*6210	4230	8.71
	lb	***27120**	***27120**	***34080**	***34080**	***30510**	**24870**	***22270**	**15810**	***17150**	**11330**	***13690**	**9330**	**(28.6)**
-3.0 m **-10.0 ft**	kg	*17240	*17240	*18270	*18270	*12870	11450	*9510	7250			*6300	5380	7.58
	lb	***38010**	***38010**	***40280**	***40280**	***28370**	**25240**	***20970**	**15980**			***13890**	**11860**	**(24.9)**
-4.5 m **-15.0 ft**	kg			*14820	*14820	*10610	*10610							
	lb			***32670**	***32670**	***23390**	***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** : 600mm(24″) triple grouser with 5.2ton(11,460 lb) counterweight

Load point height m(ft)		Load radius 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 Capacity		Reach
																m (ft)
7.5 m **25.0 ft**	kg											*3300	*3300	*4480	4400	9.12
	lb											***7280**	***7280**	***9880**	**9700**	**(29.9)**
6.0 m **20.0 ft**	kg											*4980	*4980	*4630	3730	9.84
	lb											***10980**	***10980**	***10210**	**8220**	**(32.3)**
4.5 m **15.0 ft**	kg							*6180	*6180	*5510	*5510			*4820	3370	10.26
	lb							***13620**	***13620**	***12150**	***12150**			***10630**	**7430**	**(33.7)**
3.0 m **10.0 ft**	kg					*10320	*10320	*7530	*7530	*6230	5580	*2910	*2910	4900	3200	10.41
	lb					***22750**	***22750**	***16600**	***16600**	***13730**	**12300**	***6420**	***6420**	**10800**	**7050**	**(34.2)**
1.5 m **5.0 ft**	kg			*6850	*6850	*12580	11680	*8790	7520	*6950	5320	*4340	4080	4910	3190	10.31
	lb			***15100**	***15100**	***27730**	**25750**	***19380**	**16580**	***15320**	**11730**	***9570**	**8990**	**10820**	**7030**	**(33.8)**
Ground Line	kg			*10250	*10250	*13710	11260	*9670	7210	*7500	5140	*4920	3950	5160	3350	9.95
	lb			***22600**	***22600**	***30230**	**24820**	***21320**	**15900**	***16530**	**11330**	***10850**	**8710**	**11380**	**7390**	**(32.6)**
-1.5 m **-5.0 ft**	kg	*11020	*11020	*14240	*14240	*13900	11150	*10020	7080	*7720	5050			5760	3760	9.29
	lb	***24290**	***24290**	***31390**	***31390**	***30640**	**24580**	***22090**	**15610**	***17020**	**11130**			**12700**	**8290**	**(30.5)**
-3.0 m **-10.0 ft**	kg	*14780	*14780	*19180	*19180	*13260	11240	*9720	7100	*7360	5100			*6010	4610	8.25
	lb	***32580**	***32580**	***42280**	***42280**	***29230**	**24780**	***21430**	**15650**	***16230**	**11240**			***13250**	**10160**	**(27.1)**
-4.5 m **-15.0 ft**	kg	*19280	*19280	*16520	*16520	*11550	11540	*8370	7320							
	lb	***42510**	***42510**	***36420**	***36420**	***25460**	**25440**	***18450**	**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 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 Capacity		Reach
																m (ft)
7.5 m **25.0 ft**	kg													*3960	3850	9.83
	lb													***8730**	**8490**	**(32.3)**
6.0 m **20.0 ft**	kg											*4240	*4240	*4120	3310	10.50
	lb											***9350**	***9350**	***9080**	**7300**	**(34.4)**
4.5 m **15.0 ft**	kg											*4830	*4830	*4310	3000	10.89
	lb											***10650**	***10650**	***9500**	**6610**	**(35.7)**
3.0 m **10.0 ft**	kg			*14870	*14870	*8850	*8850	*6680	*6680	*5620	*5620	*4930	4100	4420	2850	11.03
	lb			***32780**	***32780**	***19510**	***19510**	***14730**	***14730**	***12390**	***12390**	***10870**	**9040**	**9740**	**6280**	**(36.2)**
1.5 m **5.0 ft**	kg			*9690	*9690	*11460	*11460	*8090	7620	*6450	5350	*5530	3940	4420	2830	10.93
	lb			***21360**	***21360**	***25260**	***25260**	***17840**	**16800**	***14220**	**11790**	***12190**	**8690**	**9740**	**6240**	**(35.9)**
Ground Line	kg	*6990	*6990	*10660	*10660	*13120	11340	*9190	7230	*7130	5120	5910	3810	4610	2950	10.60
	lb	***15410**	***15410**	***23500**	***23500**	***28920**	**25000**	***20260**	**15940**	***15720**	**11290**	**13030**	**8400**	**10160**	**6500**	**(34.8)**
-1.5 m **-5.0 ft**	kg	*9830	*9830	*13320	*13320	*13780	11080	*9800	7020	*7550	4980	*4790	3740	5060	3260	9.99
	lb	***21670**	***21670**	***29370**	***29370**	***30380**	**24430**	***21610**	**15480**	***16640**	**10980**	***10560**	**8250**	**11160**	**7190**	**(32.8)**
-3.0 m **-10.0 ft**	kg	*12870	*12870	*16990	*16990	*13590	11060	*9840	6970	*7530	4950			*5610	3880	9.04
	lb	***28370**	***28370**	***37460**	***37460**	***29960**	**24380**	***21690**	**15370**	***16600**	**10910**			***12370**	**8550**	**(29.7)**
-4.5 m **-15.0 ft**	kg	*16450	*16450	*18430	*18430	*12480	11250	*9100	7080					*5790	5250	7.61
	lb	***36270**	***36270**	***40630**	***40630**	***27510**	**24800**	***20060**	**15610**					***12760**	**11570**	**(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 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 Capacity		Reach
																m (ft)
7.5m **25.0ft**	kg									*3320	*3320			*4480	*4480	9.12
	lb									***7320**	***7320**			***9880**	***9880**	**(29.9)**
6.0m **20.0ft**	kg									*4980	*4980			*4640	4170	9.85
	lb									***10980**	***10980**			***10230**	**9190**	**(32.3)**
4.5m **15.0ft**	kg							*6190	*6190	*5510	*5510	*2920	*2920	*4820	3790	10.26
	lb							***13650**	***13650**	***12150**	***12150**	***6440**	***6440**	***10630**	**8360**	**(33.7)**
3.0m **10.0ft**	kg					*10340	*10340	*7540	*7540	*6230	6210	*4340	*4340	*5040	3610	10.41
	lb					***22800**	***22800**	***16620**	***16620**	***13730**	**13690**	***9570**	***9570**	***11110**	**7960**	**(34.2)**
1.5m **5.0ft**	kg			*6870	*6870	*12590	*12590	*8800	8380	*6960	5950	*4920	*4450	*5280	3610	10.31
	lb			***15150**	***15150**	***27760**	***27760**	***19400**	**18470**	***15340**	**13120**	***10850**	***9810**	***11640**	**7960**	**(33.8)**
Ground Line	kg			*10280	*10280	*13720	12620	*9670	8070	*7510	5760			*5540	3790	9.95
	lb			***22660**	***22660**	***30250**	**27820**	***21320**	**17790**	***16560**	**12700**			***12210**	**8360**	**(32.6)**
-1.5m **-5.0ft**	kg	*11050	*11050	*14280	*14280	*13890	12510	*10020	7940	*7720	5680			*5810	4230	9.29
	lb	***24360**	***24360**	***31480**	***31480**	***30620**	**27580**	***22090**	**17500**	***17020**	**12520**			***12810**	**9330**	**(30.5)**
-3.0m **-10.0ft**	kg	*14810	*14810	*19220	*19220	*13250	12600	*9720	7960	*7350	5720			*6010	5170	8.24
	lb	***32650**	***32650**	***42370**	***42370**	***29210**	**27780**	***21430**	**17550**	***16200**	**12610**			***13250**	**11400**	**(27.0)**
-4.5m **-15.0ft**	kg	*19310	*19310	*16500	*16500	*11530	*11530	*8350	8190							
	lb	***42570**	***42570**	***36380**	***36380**	***25420**	***25420**	***18410**	**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.