Robex 450LC-7A

Standard Equipment

ISO standard cab
- All-weather steel cab with all-around visibility
- Safety glass windows
- Raise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Hot & cool box
- Accessory box & Ash-tray
- AM/FM radio and cassette
- Radio remote switch

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

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.
  - Preheat & Engine warming-up
  - One touch decel
- Starting Aid (air gride heater), cold weather

Door and cab locks, one key
Two outside rearview mirrors
Fully adjustable suspension seat with seat belt
Slidable joystick, pilot-operated
Console box tilting system (LH.)
Three front working light
Electric horn
Batteries (2 x 12V x 200AH)
Battery master switch
Removable reservoir tank
Automatic swing brake
Water separator & fuel prefilter fuel line
Boom holding system
Arm holding system
Counterweight (9200kg, 20280lb)
Boom (7.06m, 23′ 2″)
Arm (3.38m, 11′ 1″)
Track shoes (600mm, 23.6″)
Track rail guard
Travel alarm
Fuel warmer

Optional Equipment

Cabin work lamp
Sun visor for cabin inside
Fuel filler pump (35 ℓ /min, 9.2 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 (clamshell, etc)
Accumulator, work equipment lowering
12 volt power supply (24V DC-12V DC converter)
Electric transducer
Air-conditioner(5,000kcal/hr, 20000BTU/hr)
Heater (7500kcal/hr, 30000BTU/hr)
Heater & Defroster
Various optional Arms
- CD Player & Radio
- Dust cover
- Super short arm (2.40m, 7′ 10″)
- Short arm (2.90m, 9′ 6″)
- Long arm (4.00m, 13′ 1″)
- Long arm (4.50m, 14′ 9″)
- Super long arm (5.85m, 19′ 2″)

Various optional Buckets (SAE heaped)
- Standard bucket (2.15m³, 2.81yd³)
- Narrow bucket (1.38m³, 1.80yd³)
- Narrow bucket (1.65m³, 2.16yd³)
- Narrow bucket (1.84m³, 2.41 yd³)
- Light duty bucket (2.56m³, 3.35yd³)
- Light duty bucket (2.79m³, 3.65yd³)
- Light duty bucket (3.03m³, 3.96yd³)
- Heavy duty bucket (2.20m³, 2.88yd³)
- Rock bucket (1.80m³, 2.35yd³)
- Rock bucket (2.20m³, 2.88yd³)
- Rock bucket (2.43m³, 3.18yd³)
- Rock bucket (3.20m³, 4.19yd³)

Adjustable air suspension Seat
Cabin lights
FOPS / FOG(ISO 10262)
Cabin Roof-Cover Transparent

Track shoes
- Triple grousers shoe (700mm, 28″)
- Triple grousers shoe (750mm, 30″)
- Triple grousers shoe (800mm, 32″)
- Triple grousers shoe (900mm, 36″)

Full track guakd
Lower frame under cover
Pre heating system
Tool kit
Operator suit
Tropical kit
- Louver type side door (R/H)
- Fan for tropical area

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

FATC(Full Automatic Temperature Control)

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards. All US measurement rounded off to nearest pounds or inches.

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Building a better future
Global Leader

We build a better future

Robex NEW 7A SERIES

CRAWLER EXCAVATOR Applied Tier 3 Engine

450LC-7A

■ Some of the photos may include optional equipment.

Built for Maximum Power, Performance, Reliability.

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

Robex 450LC-7A

■ Some of the photos may include optional equipment.

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

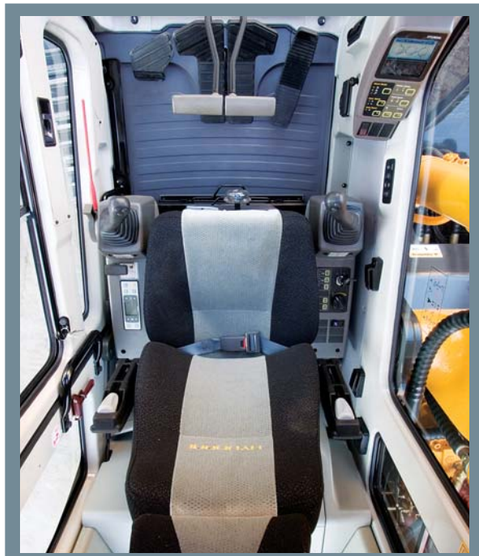
Technology in Cab Design

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



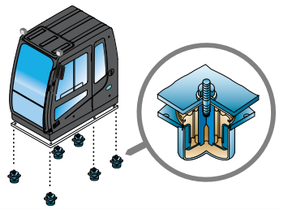
1
2 3

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

Remote Radio Control and Deluxe Cassette

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/Dummy One touch deceleration
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.

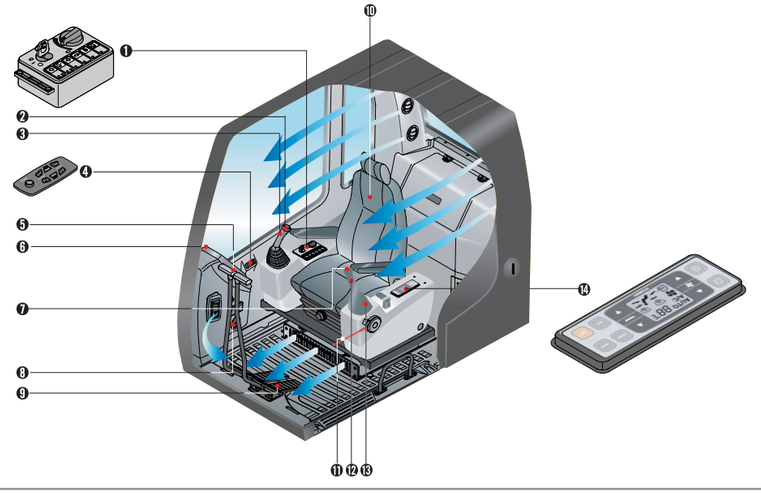
Rear Emergency Exit Window

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

Raise-up Wiper and Cabin Lights

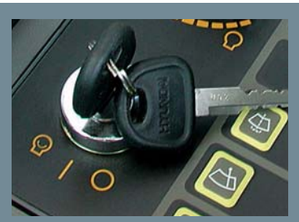
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)

The best working conditions in a pleasant environment.

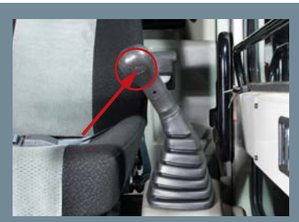


❶Centralized control panel
❷Horn button
❸Option button
❹Remote Radio control
❺Travel lever
❻Cluster
❼One touch decel button
❽Hour meter
❾Travel pedal
❿Fully adjustable suspension seat
⓫Safety lever
⓬Power boost button
⓭Joystick control lever
⓮Air Conditioner and Heater controller

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.

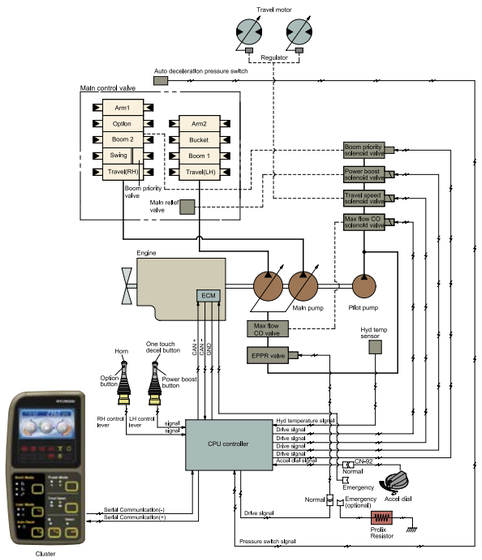


Power boost control System
When the power boost system is activated, digging power increases about 10%.
It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.

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 1100rpm. 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 800 rpm. 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 QSM11 Engine

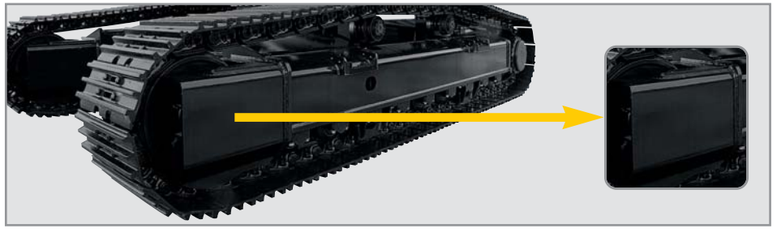
The six cylinders, turbo-charged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions.
This engine meets Tier Ⅲ emissions regulations.

Setting the standard in clean, efficient power.
The QSM11 uses advanced electronic controls to meet the toughest emissions standards without compromising anything.
Exceptional fuel efficiency, durability, dependability and the highest power-to-weight ratio in its class are still trademark QSM qualities. Plus, the QSM now runs quieter and cleaner.

The QSM11 engine comes with powerful Electronic Control Module (ECM).
Using input from sensors located throughout the engine, it governs the timing and metering of fuel to the engine. Fuel is injected into the power cylinder using Cummins dual-pulse technology. This injection method helps reduce noise levels as it increases responsiveness and improves fuel efficiency.

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.

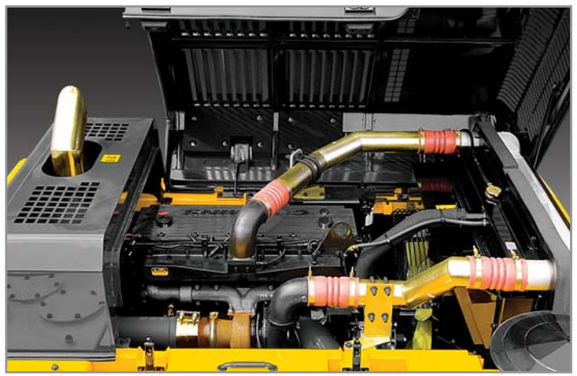
Powerful and Preciser Swing Control
Improved shock absorbing characteristics make stopping a precise and smooth action

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.

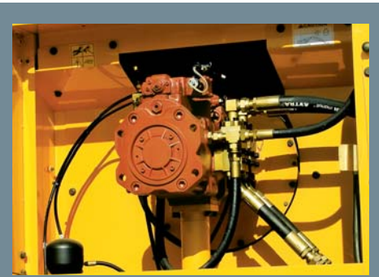


Easy to maintain engine components

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 to 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

Pump output capacity has been increased.

Large tool box for extra storage

Specifications

Engine

Model			Cummins QSM11
Type			Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	357 (266) / 1,900
	J1349 (net)		320 (239) / 1,900
DIN	627 1/1 (gross)	PS(kW)/rpm	362 (266) / 1,900
	627 1/1 (net)		325 (239) / 1,900
Max. torque		kgf·m(lbf·ft)/rpm	170.6 (1234) / 1,400
Bore x stroke		mm (in)	125 (4.92) x 147(5.79)
Piston displacement		cc (in³)	10,800 (659)
Batteries			2 x 12V x 200AH
Starting motor			24V, 7.2kw
Alternator			24V, 50Amp

Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Rated flow (at 1,800rpm)	2x360 ℓ/min (100.4 US gpm / 83.6 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm² (4,690 psi)
Travel	345 kgf/cm² (4,910 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5,120 psi)
Swing circuit	285 kgf/cm² (3,770 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom: 2-170×120×1,570 mm (6.7″×4.7″×61.8″)
	Arm: 1-185×125×1,820 mm (7.3″×4.9″×71.7″)
	Bucket: 1-160×110×1,370 mm (6.3″×4.3″×53.9″)

Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf (84,800 lbf)
Max. travel speed(high) / (low)	5.0 km/hr (3.1 mph) / 3.2 km/hr (2.0 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	9.0 rpm

Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	610	161.2	134.2
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device(each)	5.0	1.3	1.1
Final drive(each)	5.0	1.3	1.1
Hydraulic system(including tank)	380	100.4	83.6
Hydraulic tank	250	66.1	55.0

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 chain with triple grouser shoes.

Description	R450LC-7A	R450-7A
Center frame	X - leg type	
Track frame	Pentagonal box type	
No. of shoes on each side	53	49
No. of carrier roller on each side	2	2
No. of track roller on each side	9	7
No. of track guard on each side	2	2

Operating weight (approximate)

Operating weight, including 7,060mm (23′ 2″) boom, 3,380mm (11′ 1″) arm, SAE heaped 2.15m³ (2.81 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight

Upperstructure	8,710kg (19,200lb)
Counterweight	9,200kg (20,280lb)
Boom (with Arm cylinder)	3,910kg (8,620lb)

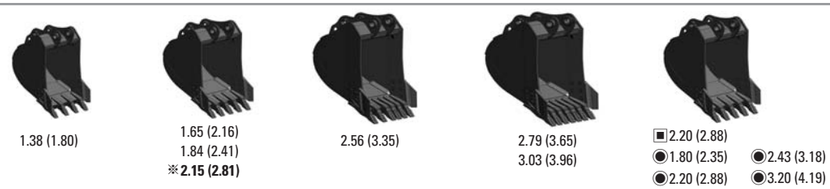
Operating weight

Model	Shoes (Triple grouser) mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm²(psi)
R450LC-7A	※**600 (24)**	**45,200 (99,700)**	**0.78 (11.09)**
	700 (28)	45,700 (100,800)	0.68 (9.67)
	750 (30)	46,000 (101,400)	0.64 (9.10)
	800 (32)	46,300 (102,100)	0.60 (8.53)
	900 (36)	46,800 (103,200)	0.54 (7.68)
R450-7A	600 (24)	43,800 (96,600)	0.83 (11.80)

※Standard equipment

Backhoe attachment

Buckets



SAE heaped m³(yd³)

1.38 (1.80)	1.65 (2.16) 1.84 (2.41) ※**2.15 (2.81)**	2.56 (3.35)	2.79 (3.65) 3.03 (3.96)	▣2.20 (2.88) ◉1.80 (2.35) ◉2.43 (3.18) ◉2.20 (2.88) ◉3.20 (4.19)

Capacity m³ (yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)						
					Boom	7,060 (23′ 2″)				6,550 (21′ 6″)	9,000 (29′ 6″)
SAE heaped	CECE heaped	Without side cutters	With side cutters		Arm	2,400 (7′ 10″)	2,900 (9′ 6″)	※3,380 (11′ 1″)	4,000 (13′ 1″)	4,500 (14′ 9″)		5,850 (19′ 2″)
1.38 (1.80)	1.20 (1.57)	1,100 (43.3)	1,250 (49.2)	1,360 (3000)		●	●	●	●	■	●	▲
1.65 (2.16)	1.44 (1.88)	1,350 (53.1)	1,500 (59.1)	1,550 (3420)		●	●	●	■	▲	●	▲
1.84 (2.41)	1.60 (2.09)	1,420 (55.9)	1,570 (61.8)	1,590 (3510)		●	●	■	■	▲	●	–
※**2.15 (2.81)**	**1.85 (2.40)**	**1,610 (63.4)**	**1,760 (69.3)**	**1,740 (3840)**		●	●	■	▲	▲	●	–
2.56 (3.35)	2.20 (2.90)	1,870 (73.6)	2,020 (79.5)	1,970 (4340)		■	▲	▲	▲	–	■	–
2.79 (3.65)	2.40 (3.14)	2,020 (79.5)	2,170 (85.4)	2,100 (4630)		▲	▲	▲	–	–	■	–
3.03 (3.96)	2.60 (3.40)	2,170 (85.4)	2,320 (91.3)	2,140 (4720)		–	–	–	–	–	▲	–
▣2.20 (2.88)	1.80 (2.35)	1,810 (71.3)	-	2,160 (4760)		●	●	■	▲	▲	●	–
◉1.80 (2.35)	1.50 (1.96)	1,560 (61.4)	-	2,090 (4610)		●	●	■	▲	▲	●	–
◉2.20 (2.88)	1.80 (2.35)	1,810 (71.3)	-	2,255 (4970)		■	■	▲	▲	▲	●	–
◉2.43 (3.18)	2.10 (2.75)	1,860 (73.2)	-	2,330 (5140)		■	▲	▲	–	–	■	–
◉3.20 (4.19)	2.80 (3.66)	2,080 (81.9)	-	2,790 (6150)		–	–	–	–	–	▲	–

※: Standard backhoe bucket / ▣: Heavy-duty / ◉: Rock bucket-Heavy duty

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

Backhoe attachment

Boom and arms are of all-welded, low-stress, full-box section design. 7,060mm(23′ 2″), 6,550mm(21′ 6″), 9,000mm(29′ 6″)boom and 2,400mm(7′ 10″), 2,900mm(9′ 6″), 3,380mm(11′ 1″), 4,000mm(13′ 1″), 4,500mm(14′ 9″), 5,850mm(19′ 2″)arms are available. Hyundai Buckets are all-welded, high-strength steel implements.

2,400mm (7′ 10″)
2,900mm (9′ 6″)

※**3,380mm (11′ 1″)**

4,000mm (13′ 1″)
4,500mm (14′ 9″)
5,850mm (19′ 2″)

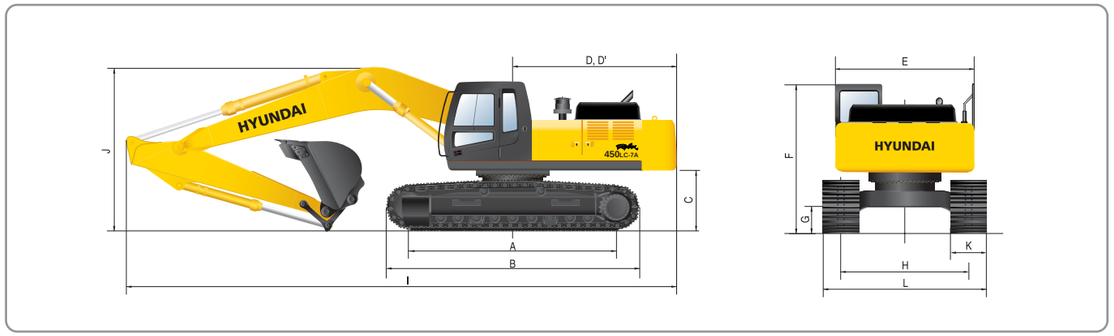
Digging force

Arm	Length	mm(ft.in)	2,400 (7′ 10″)	2,900 (9′ 6″)	※3,380 (11′ 1″)	4,000 (13′ 1″)	4,500 (14′ 9″)	Remark
	Weight	kg(lb)	2,070 (4560)	2,230 (4920)	**2,100 (4630)**	2,370 (5220)	2,550 (5620)	
Bucket digging force	SAE	kN	223.6 [243.9]	223.6 [243.9]	**223.6 [243.9]**	223.6 [243.9]	223.6 [243.9]	[ ]: Power Boost
		kgf	22,800 [24,870]	22,800 [24,870]	**22,800 [24,870]**	22,800 [24,870]	22,800 [24,870]	
		lbf	50,270 [54,840]	50,270 [54,840]	**50,270 [54,840]**	50,270 [54,840]	50,270 [54,840]	
	ISO	kN	256.0 [279.2]	256.0 [279.2]	**256.0 [279.2]**	256.0 [279.2]	256.0 [279.2]	
		kgf	26,100 [28,470]	26,100 [28,470]	**26,100 [28,470]**	26,100 [28,470]	26,100 [28,470]	
		lbf	57,540 [62,770]	57,540 [62,770]	**57,540 [62,770]**	57,540 [62,770]	57,540 [62,770]	
Arm crowd force	SAE	kN	265.8 [289.9]	215.7 [235.4]	**180.4 [196.8]**	163.8 [178.7]	153.0 [166.9]	
		kgf	27,100 [29,560]	22,000 [24,000]	**18,400 [20,070]**	16,700 [18,220]	15,600 [17,020]	
		lbf	59,750 [65,180]	48,500 [52,910]	**40,570 [44,260]**	36,820 [40,170]	34,390 [37,520]	
	ISO	kN	278.5 [303.8]	225.6 [246.1]	**187.3 [204.3]**	169.7 [185.1]	157.9 [172.2]	
		kgf	28,400 [30,980]	23,000 [25,090]	**19,100 [20,840]**	17,300 [18,870]	16,100 [17,560]	
		lbf	62,610 [68,300]	50,710 [55,320]	**42,110 [45,940]**	38,140 [41,610]	35,490 [38,720]	

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

Dimensions & Working ranges

Dimensions



mm (ft · in)

	Description	R450LC-7	R450-7
A	Tumbler distance	4,470 (14′ 8″)	4,040 (13′ 3″)
B	Overall length of crawler	5,462 (17′ 11″)	5,032 (16′ 6″)
C	Ground clearance of CWT	1,340 (4′ 5″)	
D	Tail swing radius	3,720 (12′ 2″)	
D′	Rear-end length	3,665 (12′ 0″)	
E	Overall width of upperstructure	2,980 (9′ 9″)	
F	Overall height of cab	3,250 (10′ 8″)	
G	Min. ground clearance	555 (1′ 10″)	
H	Track gauge	2,740 (9′ 0″)	

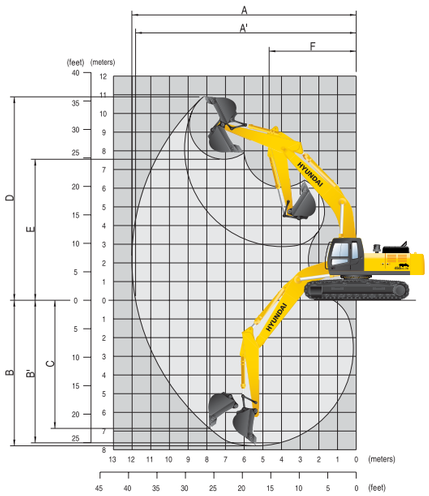
mm (ft · in)

	Boom length	※7,060 (23′ 2″)					6,550 (21′ 6″)	9,000 (29′ 6″)
	Arm length	2,400 (7′10″)	2,900 (9′6″)	**※3,380 (11′1″)**	4,000 (13′1″)	4,500 (14′9″)	2,400 (7′ 10″)	5,850 (19′ 2″)
I	Overall length	12,230 (40′1″)	12,160 (39′11″)	**12,000 (39′4″)**	11,970 (39′3″)	11,910 (39′1″)	11,730 (38′ 6″)	13,690 (44′ 11″)
J	Overall height of boom	3,820 (12′6″)	3,750 (12′4″)	**3,600 (11′10″)**	4,040 (13′3″)	4,490 (14′9″)	4,020 (13′ 2″)	5,200 (17′ 1″)

	Track shoe width	※ 600 (24″)	700 (28″)	750 (30″)	800 (32″)	900 (36″)
K						
L	Overall width	**3,340 (10′ 11″)**	3,440 (11′ 3″)	3,490 (11′ 5″)	3,540 (11′ 7″)	3,640 (11′ 11″)

※Standard Equipment

Working ranges



mm (ft · in)

	Boom length	※7,060(23′ 2″)					6,550(21′6″)	9,000(29′6″)
	Arm length	2,400 (7′10″)	2,900 (9′6″)	**※3,380 (11′1″)**	4,000 (13′1″)	4,500 (14′ 9″)	2,400 (7′ 10″)	5,850 (19′ 2″)
A	Max. digging reach	11,160 (36′7″)	11,550 (37′11″)	**12,100 (39′8″)**	12,660 (41′6″)	13,150 (43′ 2″)	10,610 (34′ 10″)	16,350 (53′ 8″)
A′	Max. digging reach on ground	10,940 (35′11″)	11,340 (37′2″)	**11,900 (39′1″)**	12,470 (40′11″)	12,960 (42′ 6″)	10,370 (34′ 0″)	16,200 (53′ 2″)
B	Max. digging depth	6,810 (22′4″)	7,310 (23′12″)	**7,790 (25′7″)**	8,410 (27′7″)	8,910 (29′ 3″)	6,330 (20′ 9″)	11,560 (37′ 11″)
B′	Max. digging depth (8′ level)	6,620 (21′9″)	7,140 (23′5″)	**7,640 (25′1″)**	8,280 (27′2″)	8,790 (28′ 10″)	6,150 (20′ 2″)	11,460 (37′ 7″)
C	Max. vertical wall digging depth	5,990 (19′8″)	5,850 (19′2″)	**6,560 (21′6″)**	7,290 (23′11″)	7,690 (25′ 3″)	5,430 (17′ 10″)	10,320 (33′ 10″)
D	Max. digging height	10,600 (34′9″)	10,550 (34′ 7″)	**11,030 (36′2″)**	11,250 (36′11″)	11,500 (37′ 9″)	10,210 (33′ 6″)	13,840 (45′ 5″)
E	Max. dumping height	7,190 (23′7″)	7,240 (23′9″)	**7,660 (25′2″)**	7,880 (25′10″)	8,120 (26′ 8″)	6,810 (22′ 4″)	10,440 (34′ 3″)
F	Min. swing radius	5,090 (16′8″)	4,900 (16′1″)	**4,780 (15′8″)**	4,830 (15′10″)	4,870 (15′ 12″)	4,640 (15′ 3″)	5,940 (19′ 6″)

※Standard Equipment

Lifting Capacities

Lifting capacities

Rating over-front Rating over-side or 360 degree

• **Boom**: 6.55 m (21′ 6″) • **Arm**: 2.40 m (7′ 10″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius								At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		Capacity		Reach
												m (ft)
6.0m	kg					*12,650	*12,650	*11,210	8,690	*9,660	6,120	9.15
20.0ft	**lb**					***27,890**	***27,890**	***24,710**	**19,160**	***21,300**	**13,490**	**(30.3)**
4.5m	kg			*18,690	*18,690	*14,180	12,170	*11,850	8,400	9,470	5,390	9.65
15.0ft	**lb**			***41,200**	***41,200**	***31,260**	**26,830**	***26,120**	**18,520**	**20,880**	**11,880**	**(31.7)**
3.0m	kg					*15,840	11,400	*12,650	8,020	8,970	5,040	9.86
10.0ft	**lb**					***34,920**	**25,130**	***27,890**	**17,680**	**19,780**	**11,110**	**(32.3)**
1.5m	kg					*16,990	10,770	*13,250	7,680	8,930	4,970	9.80
5.0ft	**lb**					***37,460**	**23,740**	***29,210**	**16,930**	**19,690**	**10,960**	**(32.2)**
Ground Line	kg			*23,200	16,210	*17,220	10,420	*13,350	7,450	9,370	5,210	9.47
	lb			***51,150**	**35,740**	***37,960**	**22,970**	***29,430**	**16,420**	**20,660**	**11,490**	**(31.1)**
-1.5m	kg	*25,480	*25,480	*21,390	16,250	*16,370	10,320	*12,620	7,380	*9,480	5,860	8.83
-5.0ft	**lb**	***56,170**	***56,170**	***47,160**	**35,830**	***36,090**	**22,750**	***27,820**	**16,270**	***20,900**	**12,920**	**(29.0)**
-3.0m	kg	*22,320	*22,320	*18,300	16,520	*14,220	10,450			*8,650	7,280	7.80
-10.0ft	**lb**	***49,210**	***49,210**	***40,340**	**36,420**	***31,350**	**23,040**			***19,070**	**16,050**	**(25.6)**
-4.5m	kg			*13,110	*13,110							
-15.0ft	**lb**			***28,900**	***28,900**							

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 2.40 m (7′ 10″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius										At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		Capacity		Reach
														m (ft)
6.0m	kg					*12,160	*12,160	*10,540	8,580			*8,790	5,320	9.75
20.0ft	**lb**					***26,810**	***26,810**	***23,240**	**18,920**			***19,380**	**11,730**	**(32.0)**
4.5m	kg					*13,850	11,800	*11,340	8,200			8,460	4,730	10.21
15.0ft	**lb**					***30,530**	**26,010**	***25,000**	**18,080**			**18,650**	**10,430**	**(33.5)**
3.0m	kg					*15,560	10,960	*12,220	7,780	10,250	5,730	8,050	4,430	10.41
10.0ft	**lb**					***34,300**	**24,160**	***26,940**	**17,150**	**22,600**	**12,630**	**17,550**	**9,770**	**(34.2)**
1.5m	kg					*16,660	10,340	*12,880	7,420	10,040	5,540	8,020	4,380	10.36
5.0ft	**lb**					***36,730**	**22,800**	***28,400**	**16,360**	**22,130**	**12,210**	**17,680**	**9,660**	**(34.0)**
Ground Line	kg					*16,840	10,030	*13,080	7,190			8,370	4,570	10.05
	lb					***37,130**	**22,110**	***28,840**	**15,850**			**18,450**	**10,080**	**(33.0)**
-1.5m	kg			*20,660	15,820	*16,130	9,970	*12,610	7,110			*8,800	5,080	9.46
-5.0ft	**lb**			***45,550**	**45,550**	***35,560**	**21,980**	***27,800**	**15,670**			***19,400**	**11,200**	**(31.0)**
-3.0m	kg	*21,190	*21,190	*18,150	18,150	*14,430	10,110	*11,140	7,220			*8,270	6,160	8.51
-10.0ft	**lb**	***46,720**	***46,720**	***40,010**	**40,010**	***31,810**	**22,290**	***24,560**	**15,920**			***18,230**	**13,580**	**(27.9)**
-4.5m	kg			*14,140	*14140	*11,160	10,480					*6,610	*6,610	7.04
-15.0ft	**lb**			***31,170**	***31,170**	***24,600**	**23,100**					***14,570**	***14,570**	**(23.1)**

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 2.90 m (9′ 6″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius										At max. reach	
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		Capacity	Reach
													m (ft)
6.0m	kg							*9,890	8,690			*8,170	4,920	10.17
20.0ft	**lb**							***21,800**	**19,160**			***18,010**	**10,850**	**(33.4)**
4.5m	kg			*17,370	*17,370	*13,010	12,000	*10,760	8,280	*9,430	5,970	7,920	4,380	10.62
15.0ft	**lb**			***38,290**	***38,290**	***28,680**	**26,460**	***23,720**	**18,250**	***20,790**	**13,160**	**17,460**	**9,660**	**(34.8)**
3.0m	kg			*21,190	17,040	*14,850	11,110	*17,400	7,820	*9,910	5,730	7,540	4,110	10.80
10.0ft	**lb**			***46,720**	**37,570**	***32,740**	**24,490**	***25,880**	**17,240**	***21,850**	**12,630**	**16,620**	**9,060**	**(35.4)**
1.5m	kg			*22,600	15,880	*16,210	10,390	*12,540	7,410	10,010	5,500	7,490	4,040	10.75
5.0ft	**lb**			***49,820**	**35,010**	***35,740**	**22,910**	***27,650**	**16,340**	**22,070**	**12,130**	**16,510**	**8,910**	**(35.3)**
Ground Line	kg			*22,850	15,550	*16,730	9,980	*12,930	7,120	9,830	5,340	7,780	4,190	10.46
	lb			***50,380**	**34,280**	***36,880**	**22,000**	***28,510**	**15,700**	**21,670**	**11,770**	**17,150**	**9,240**	**(34.3)**
-1.5m	kg	*19,300	*19,300	*21,590	15,570	*16,350	9,840	*12,720	6,990			*8,500	4,610	9.89
-5.0ft	**lb**	***42,550**	***42,550**	***47,600**	**34,330**	***36,050**	**21,690**	***28,040**	**15,410**			***18,740**	**10,190**	**(32.4)**
-3.0m	kg	*24,620	*24,620	*19,390	15,790	*15,030	9,900	*11,680	6,030			*8,240	5,490	9.00
-10.0ft	**lb**	***54,280**	***54,280**	***42,750**	**34,810**	***33,140**	**21,830**	***25,750**	**15,500**			***18,170**	**12,100**	**(29.5)**
-4.5m	kg	*19,660	*19,660	*15,870	*15,870	*12,420	10,190					*7,260	7,260	7.65
-15.0ft	**lb**	***43,340**	***43,340**	***34,990**	***34,990**	***27,380**	**22,470**					***16,010**	**16,010**	**(25.1)**

NOTES
1. Lifting capacity are based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

Lifting capacities

Rating over-front | Rating over-side or 360 degree

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 3.38 m (11′ 1″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius										At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		Capacity		Reach
														m (ft)
6.0m	kg							*9,410	8,880	*7,440	6,310	*7,720	4,480	10.76
20.0ft	**lb**							***20,750**	**19,580**	***16,400**	**13,910**	***17,020**	**9,880**	**(35.3)**
4.5m	kg					*12,360	12,300	*10,350	8,470	*9,130	6,110	7,310	4,030	11.18
15.0ft	**lb**					***27,250**	**27,120**	***22,820**	**18,670**	***20,130**	**13,470**	**16,120**	**8,880**	**(36.7)**
3.0m	kg			*20,190	17,790	*14,350	11,420	*11,430	8,000	*9,700	5,860	6,990	3,800	11.35
10.0ft	**lb**			***44,510**	**39,220**	***31,640**	**25,180**	***25,200**	**17,640**	***21,380**	**12,920**	**15,410**	**8,380**	**(37.2)**
1.5m	kg			*22,780	16,430	*15,960	10,670	*12,370	7,570	10,120	5,610	6,950	3,740	11.30
5.0ft	**lb**			***50,220**	**36,220**	***35,190**	**23,520**	***27,270**	**16,690**	**22,310**	**12,370**	**15,320**	**8,250**	**(37.1)**
Ground Line	kg	*11,960	*11,960	*23,320	15,860	*16,780	10,190	12,940	7,250	9,900	5,420	7,180	3,870	11.03
	lb	***26,370**	***26,370**	***51,410**	**34,970**	***36,990**	**22,470**	**28,530**	**15,980**	**21,830**	**11,950**	**15,830**	**8,530**	**(36.2)**
-1.5m	kg	*17,460	*17,460	*22,500	15,740	*16,700	9,970	12,940	7,080	9,790	5,320	7,770	4,210	10.50
-5.0ft	**lb**	***38,490**	***38,490**	***49,600**	**34,700**	***36,820**	**21,980**	**28,530**	**15,610**	**21,580**	**11,730**	**17,130**	**9,280**	**(34.4)**
-3.0m	kg	*23,150	*23,150	*20,630	15,860	*15,700	9,960	*12,200	7,050			*7,850	4,900	9.67
-10.0ft	**lb**	***51,040**	***51,040**	***45,480**	**34,970**	***34,610**	**21,960**	***26,900**	**15,540**			***17,310**	**10,800**	**(31.7)**
-4.5m	kg	*22,870	*22,870	*17,530	16,200	*13,540	10,150	*10,250	7,220			*7,190	6,290	8.44
-15.0ft	**lb**	***50,420**	***50,420**	***38,980**	**35,710**	***29,850**	**22,380**	***22,600**	**15,920**			***15,850**	**13,870**	**(27.7)**
-6.0m	kg			*12,450	*12,450	*9,310	*9,310							
-20.0ft	**lb**			***27,450**	***27,450**	***20,530**	***20,530**							

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 4.00 m (13′ 1″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius												At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		10.5m (35.0ft)		Capacity		Reach
																m (ft)
6.0m	kg									*7,780	6,350			7,000	3,970	11.35
20.0ft	**lb**									***17,150**	**14,000**			**15,430**	**8,750**	**(37.2)**
4.5m	kg							*9,530	8,530	*8,480	6,110	*4,660	4,460	6,630	3,570	11.75
15.0ft	**lb**							***21,010**	**18,810**	***18,700**	**13,470**	***10,270**	**9,830**	**14,620**	**7,870**	**(38.5)**
3.0m	kg			*18,320	18,290	*13,280	11,560	*10,680	8,020	*9,120	5,820	*6,310	4,310	6,350	3,360	11.91
10.0ft	**lb**			***40,390**	**40,320**	***29,280**	**25,490**	***23,550**	**17,680**	***20,110**	**12,830**	***13,910**	**9,500**	**14,000**	**7,410**	**(39.1)**
1.5m	kg			*21,560	16,630	*15,110	10,700	*11,760	7,530	*9,730	5,530	*7,150	4,150	6,300	3,300	11.87
5.0ft	**lb**			***47,530**	**36,660**	***33,310**	**23,590**	***25,930**	**16,600**	***21,450**	**12,190**	***15,760**	**9,150**	**13,890**	**7,280**	**(38.9)**
Ground Line	kg	*12,740	*12740	*22,920	15,750	*16,260	10,090	*12,510	7,140	9,790	5,290	*6,660	4,020	6,480	3,390	11.61
	lb	***28,090**	***28,090**	***50,530**	**34,720**	***35,850**	**22,240**	***27,580**	**15,740**	**21,580**	**11,660**	***14,680**	**8,860**	**14,290**	**7,470**	**(38.1)**
-1.5m	kg	*16,670	*16670	*22,740	15,440	*16,550	9,770	*12,760	6,900	9,620	5,140			6,950	3,660	11.11
-5.0ft	**lb**	***36,750**	***36,750**	***50,130**	**34,040**	***36,490**	**21,540**	***28,130**	**15,210**	**20,880**	**11,330**			**15,320**	**8,070**	**(36.5)**
-3.0m	kg	*21,280	*21280	*21,390	15,450	*15,950	9,680	*12,350	6,820	9,580	5,110			*7,420	4,200	10.34
-10.0ft	**lb**	***46,910**	***46,910**	***47,160**	**34,060**	***35,160**	**21,340**	***27,230**	**15,040**	**20,790**	**11,270**			***16,360**	**9,260**	**(33.9)**
-4.5m	kg	*25,850	*25850	*18,860	15,700	*14,320	9,790	*11,000	6,900					*7,070	5,240	9.21
-15.0ft	**lb**	***56,990**	***56,990**	***41,580**	**34,610**	***31,570**	**21,580**	***24,250**	**15,210**					***15,590**	**11,550**	**(30.2)**
-6.0m	kg	*19,310	*19310	*14,670	*14,670	*11,140	10,140							*5,870	*5,870	7.55
-20.0ft	**lb**	***42,570**	***42,570**	***32,340**	***32,340**	***24,560**	**22,350**							***12,940**	***12,940**	**(24.8)**

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 4.50 m (14′ 9″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius												At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		10.5m (35.0ft)		Capacity		Reach
																m (ft)
6.0m	kg									*7,400	6,420	*4,260	*4,260	*6,490	3,580	11.86
20.0ft	**lb**									***16,310**	**14,150**	***9,390**	***9,390**	***14,310**	**7,890**	**(38.9)**
4.5m	kg							*8,870	8,630	*7,970	6,160	*6,020	4,480	6,130	3,230	12.24
15.0ft	**lb**							***19,550**	**19,030**	***17,570**	**13,580**	***13,270**	**9,880**	**13,510**	**7,120**	**(40.2)**
3.0m	kg			*16,790	*16,790	*12,400	11,740	*10,080	8,090	*8,660	5,840	*7,350	4,300	5,870	3,040	12.40
10.0ft	**lb**			***37,020**	***37,020**	***27,650**	**25,880**	***22,220**	**17,840**	***19,090**	**12,870**	***16,200**	**9,480**	**12,940**	**6,700**	**(40.7)**
1.5m	kg			*20,440	16,910	*14,400	10,800	*11,250	7,550	*9,350	5,510	7,700	4,110	5,820	2,980	12.35
5.0ft	**lb**			***45,060**	**37,280**	***31,750**	**23,810**	***24,800**	**16,640**	***20,610**	**12,150**	**16,980**	**9,060**	**12,830**	**6,570**	**(40.5)**
Ground Line	kg	*12,980	*12,980	*22,400	15,780	*15,790	10,090	*12,140	7,110	9,740	5,240	7,520	3,950	5,960	3,040	12.10
	lb	***28,620**	***28,620**	***49,380**	**34,790**	***34,810**	**22,240**	***26,760**	**15,670**	**21,470**	**11,550**	**16,580**	**8,710**	**13,140**	**6,700**	**(39.7)**
-1.5m	kg	*16,020	*16,020	*22,740	15,290	*16,360	9,680	*12,570	6,810	9,530	5,050	7,410	3,850	6,350	3,270	11.63
-5.0ft	**lb**	***35,320**	***35,320**	***50,130**	**33,710**	***36,070**	**21,340**	***27,710**	**15,010**	**21,010**	**11,130**	**16,340**	**8,490**	**14,000**	**72,510**	**(38.2)**
-3.0m	kg	*19,970	*19,970	*21,830	15,190	*16,070	9,510	*12,390	6,680	9,440	4,970			*7,010	3,710	10.90
-10.0ft	**lb**	***44,030**	***44,030**	***48,130**	**33,490**	***35,430**	**20,970**	***27,320**	**14,730**	**20,810**	**10,960**			***15,450**	**8,180**	**(35.8)**
-4.5m	kg	*24,940	*24,940	*19,740	15,360	*14,810	9,560	*11,410	6,700	*8,670	5,040			*6,810	4,540	9.85
-15.0ft	**lb**	***54,980**	***54,980**	***43,520**	**33,860**	***32,650**	**21,080**	***25,150**	**14,770**	***19,110**	**11,110**			***15,010**	**10,010**	**(32.3)**
-6.0m	kg	*22,050	*22,050	*16,160	15,790	*12,230	9,830	*9,040	6,940					*6,070	*6,070	8.34
-20.0ft	**lb**	***48,610**	***48,610**	***35,630**	**34,810**	***26,960**	**21,670**	***19,930**	**15,300**					***13,380**	***13,380**	**(27.4)**

NOTES
1. Lifting capacity are based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

Lifting capacities

Rating over-front | Rating over-side or 360 degree

• **Boom**: 6.55 m (21′ 6″) • **Arm**: 2.40 m (7′ 10″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 800mm(31.5″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius								At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		Capacity		Reach
												m (ft)
6.0m	kg					*12,650	*12,650	*11,210	8,880	*9,660	6,270	9.15
20.0ft	**lb**					***27,890**	***27,890**	***24,710**	**19,580**	***21,300**	**13,820**	**(30.0)**
4.5m	kg			*18,690	*18,690	*14,180	12,430	*11,850	8,590	9,650	5,530	9.65
15.0ft	**lb**			***41,200**	***41,200**	***31,260**	**27,400**	***26,120**	**18,940**	**21,270**	**12,190**	**(31.7)**
3.0m	kg					*15,840	11,660	*12,650	8,220	9,200	5,180	9.86
10.0ft	**lb**					***34,920**	**25,710**	***27,890**	**18,120**	**20,280**	**11,420**	**(32.3)**
1.5m	kg					*16,990	11,030	*13,250	7,870	9,170	5,120	9.80
5.0ft	**lb**					***37,460**	**24,320**	***29,210**	**17,350**	**20,220**	**11,290**	**(32.2)**
Ground Line	kg			*23,200	16,600	*17,220	10,680	*13,350	7,640	9,620	5,360	9.47
	lb			***51,150**	**36,600**	***37,960**	**23,550**	***29,430**	**16,840**	**21,210**	**11,820**	**(31.1)**
-1.5m	kg	*25,480	*25,480	*21,390	16,640	*16,370	10,580	*12,620	7,570	*9,480	6,010	8.83
-5.0ft	**lb**	***56,170**	***56,170**	***47,160**	**36,680**	***36,090**	**23,320**	***27,820**	**16,690**	***20,900**	**13,250**	**(29.0)**
-3.0m	kg	*22,320	*22,320	*18,300	16,910	*14,220	10,710			*8,650	7,440	7.80
-10.0ft	**lb**	***49,210**	***49,210**	***40,340**	**37,280**	***31,350**	**23,610**			***19,070**	**16,470**	**(25.6)**
-4.5m	kg			*13,110	*13,110							
-15.0ft	**lb**			***28,900**	***28,900**							

• **Boom**: 7.06 m (23′ 2″) • **Arm**: 3.38 m (11′ 1″) • **Bucket**: 2.15 m³ (2.81yd³) SAE heaped • **Shoe** : 800mm(31.5″) triple grouser with 9,200kg(20,280 lb) CWT

Load Point height m(ft)		Load radius										At max. reach		
		3.0m (10.0ft)		4.5m (15.0ft)		6.0m (20.0ft)		7.5m (25.0ft)		9.0m (30.0ft)		Capacity		Reach
														m (ft)
6.0m	kg							*9,410	9,070	*7,440	6,470	*7,720	4,610	10.76
20.0ft	**lb**							***20,750**	**20,000**	***16,400**	**14,260**	***17,020**	**10,160**	**(35.3)**
4.5m	kg					*12,360	*12,360	*10,350	8,660	*9,130	6,270	7,510	4,160	11.18
15.0ft	**lb**					***27,250**	***27,250**	***22,820**	**19,090**	***20,130**	**13,820**	**16,560**	**9,170**	**(36.7)**
3.0m	kg			*20,190	18,170	*14,350	11,680	*11,430	8,200	*9,700	6,010	7,190	3,920	11.35
10.0ft	**lb**			***44,510**	**40,060**	***31,640**	**25,750**	***25,200**	**18,080**	***21,380**	**13,250**	**15,850**	**8,640**	**(37.2)**
1.5m	kg			*22,780	16,810	*15,960	10,930	*12,370	7,760	*10,210	5,770	7,150	3,860	11.30
5.0ft	**lb**			***50,220**	**37,060**	***35,190**	**24,100**	***27,270**	**17,110**	***22,510**	**12,720**	**15,760**	**8,510**	**(37.1)**
Ground Line	kg	*11,960	*11,960	*23,320	16,250	*16,780	10,450	*12,940	7,440	10,170	5,570	7,390	3,990	11.03
	lb	***26,370**	***26,370**	***51,410**	**35,830**	***36,990**	**23,040**	***28,530**	**16,400**	**22,420**	**12,280**	**16,290**	**8,800**	**(36.2)**
-1.5m	kg	*17,460	*17,460	*22,500	16,130	*16,700	10,230	*12,940	7,270	10,060	5,470	7,990	4,340	10.50
-5.0ft	**lb**	***38,490**	***38,490**	***49,600**	**35,560**	***36,820**	**22,550**	***28,530**	**16,030**	**22,180**	**12,060**	**17,610**	**9,570**	**(34.4)**
-3.0m	kg	*23,150	*23,150	*20,630	16,250	*15,700	10,220	*12,200	7,250			*7,850	5,040	9.67
-10.0ft	**lb**	***51,040**	***51,040**	***45,480**	**35,830**	***34,610**	**22,530**	***26,900**	**15,980**			***17,310**	**11,110**	**(31.7)**
-4.5m	kg	*22,870	*22,870	*17,530	16,590	*13,540	10,410	*10,250	7,420			*7,190	6,460	8.44
-15.0ft	**lb**	***50,420**	***50,420**	***38,650**	**36,570**	***29,850**	**22,950**	***22,600**	**16,360**			***15,850**	**14,240**	**(27.7)**
-6.0m	kg			*12,450	*12,450	*9,310	*9,310							
-20.0ft	**lb**			***27,450**	***27,450**	***20,530**	***20,530**							

• **Boom**: 9.0 m (29′ 6″) • **Arm**: 5.85 m (19′ 2″) • **Bucket**: 1.65 m³ (2.16yd³) SAE heaped • **Shoe** : 600mm(24″) triple grouser with 10,700kg(23,590 lb) CWT

Load Point height m(ft)		Load radius												At max. reach		
		3.0m (10.0ft)		5.0m (15.0ft)		7.0m (25.0ft)		9.0m (30.0ft)		11m (35.0ft)		13.0m (45.0ft)		Capacity		Reach
																m (ft)
10.0m	kg													*4,090	3,170	13.54
35.0ft	**lb**													***9,020**	**6,990**	**(44.4)**
8.0m	kg									*4,790	*4,790	*2,310	*2,310	*3,970	2,520	14.55
25.0ft	**lb**									***10,560**	***10,560**	***5,090**	***5,090**	***8,750**	**5,560**	**(47.7)**
6.0m	kg									*5,170	4,780	*3,890	3,200	*3,980	2,120	15.20
20.0ft	**lb**									***11,400**	**10,540**	***8,580**	**7,050**	***8,770**	**4,670**	**(49.9)**
4.0m	kg							*6,790	6,540	*5,700	4,420	*4,980	3,010	4,080	1,880	15.55
15.0ft	**lb**							***14,970**	**14,420**	***12,570**	**9,740**	***10,980**	**6,640**	**8,990**	**4,140**	**(51.0)**
2.0m	kg			*16,110	14,690	*10,460	8,870	*7,790	5,880	*6,260	4,040	*5,280	2,800	3,950	1,760	15.61
5.0ft	**lb**			***35,520**	**32,390**	***23,060**	**19,550**	***17,170**	**12,960**	***13,800**	**8,910**	***11,640**	**6,170**	**8,710**	**3,880**	**(51.2)**
Ground Line	kg			*16,240	13,060	*11,880	7,920	*8,600	5,320	*6,740	3,700	5,370	2,600	3,980	1,760	15.39
	lb			***35,800**	**28,790**	***26,010**	**17,460**	***18,960**	**117,320**	***14,860**	**8,160**	**11,840**	**5,730**	**8,770**	**3,900**	**(50.5)**
-2.0m	kg	*10,680	*10,680	*16,760	12,460	*12,370	7,370	*9,040	4,930	6,930	3,460	5,220	2,460	4,200	1,890	14.87
-5.0ft	**lb**	***23,550**	***23,550**	***36,950**	**27,470**	***27,270**	**16,250**	***19,930**	**10,870**	**15,280**	**7,630**	**11,510**	**5,420**	**9,260**	**4,170**	**(48.8)**
-4.0m	kg	*13,660	*13,660	*17,510	12,370	*12,180	7,160	*8,990	4,750	6,800	3,330	*4,160	2,420	*4,460	2,180	14.02
-15.0ft	**lb**	***30,120**	***30,120**	***38,600**	**27,270**	***26,850**	**15,790**	***19,820**	**10,470**	**14,990**	**7,340**	***9,170**	**5,360**	***9,830**	**4,810**	**(46.0)**
-6.0m	kg	*17,110	*17,110	*15,620	12,590	*11,180	7,200	*8,300	4,750	*6,180	3,360			*4,330	2,750	12.76
-20.0ft	**lb**	***37,720**	***37,720**	***34,440**	**27,760**	***24,650**	**15,870**	***18,300**	**10,470**	***13,620**	**7,410**			***9,550**	**6,060**	**(41.9)**
-8.0m	kg	*18,070	*18,070	*12,490	*12,490	*9,140	7,480	*6,630	4,960					*3,840	*3,840	10.94
-25.0ft	**lb**	***39,840**	***39,840**	***27,540**	***27,540**	***20,150**	**16,490**	***14,620**	**10,930**					***8,470**	***8,470**	**(35.9)**
-10.0m	kg					*5,220	*5,220									
-35.0ft	**lb**					***11,510**	***11,510**									

NOTES
1. Lifting capacity are based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.