



ROBEX 500LC-7

Standard Equipment

ISO standard cab

- All-weather steel cab with all-around visibility
- Safety glass windowsRaise-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 USB player
- Remote control 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

Heater (7500kcal/hr, 30000BTU/hr) Heater & 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.
- 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.)

Four front working light

Electric horn

Batteries (2 x 12V x 200AH)

Battery master switch

Automatic swing brake Fuel Pre-filter

Boom holding system

Arm holding system
Counterweight (10,200kg / 22,490lb)
Boom (7.06m, 23' 2")

Arm (3.38m, 11' 1")

Track shoes (600mm, 23.6") Track rail guard

Travel alarm

Catwalk (LH) Fuel warmer Cabin Roof Cover - Steel

Sun visor for cabin inside

Optional Equipment

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) FATC(Full Automatic Temperature Control) Various optional Arms

- 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, 2.88vd³)
- Rock bucket (2.43m³, 3.18yd³)
- Rock bucket (3.20m³, 4.19yd³)

Cabin lights FOPS / FOG(ISO 10262) Cabin Roof-Cover Transparent

Track shoes

- Triple grouser shoe (700mm, 28")
- Triple grouser shoe (750mm, 30")
- Triple grouser shoe (800mm, 32")
- Double grouser shoe (600mm, 24")
- Double grouser shoe (700mm, 28")

Lower frame under cover Preheating system

Tool kit

Operator suit Full track guard

Tropical lat

Louver type RH side door

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

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice
- * All imperial measurements rounded off to the nearest pound or inch.



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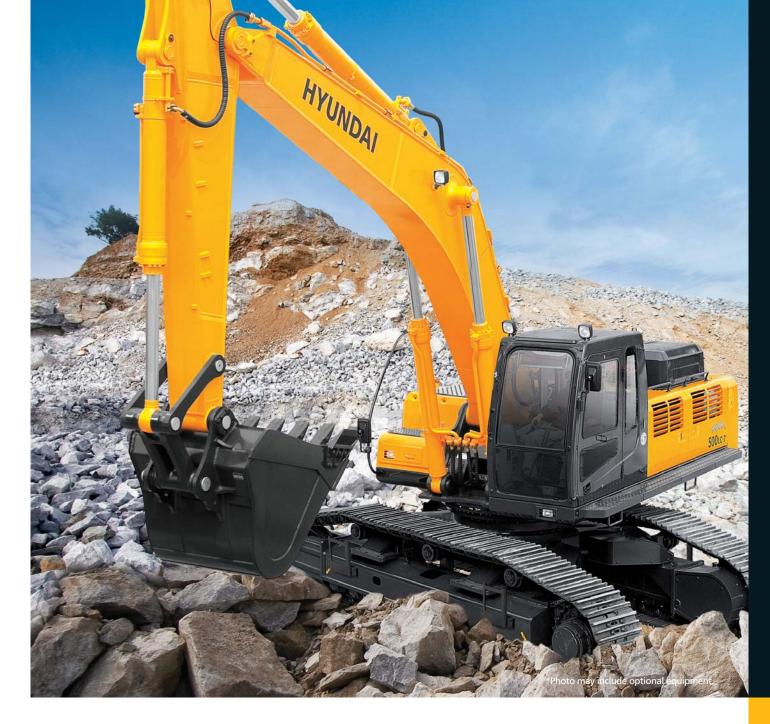
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Technology in Cab Design TECHNOLOGY IN CAB DESIGN 04/0

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



Visibilit

• 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.







Wide, Comfortable Operating Space Steel Cover Sunroof Dial Type Engine Speed Switch an
 Key Switch



Operating Environment Operating Environment



Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility.

A full view front window and large rear and side windows provide excellent visibility in all directions.



Highly Sensitive Joystick and Easy Entrance

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

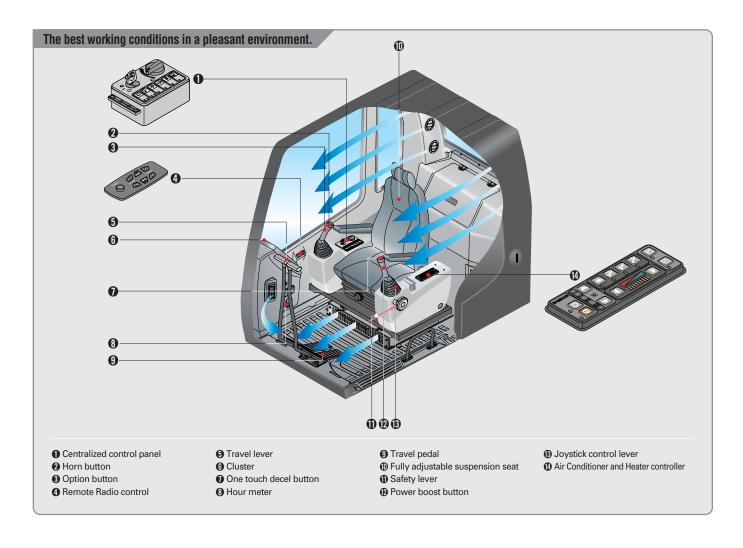
(Left: Power boost / One touch deceleration, Right: Horn/Optional)



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.



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.



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.

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.



Smooth Travel Pedal and Foot Rests



Radio / USB player & Remote Control Switch





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)



Rear Emergency Exit Window

Rear Exit Window is designed with easy



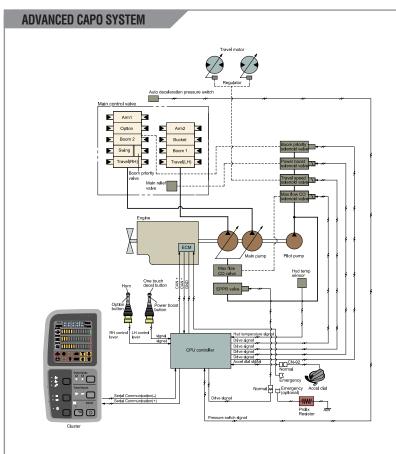
exit for operator's safety.

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.







Advanced CAPO System

The Advanced CAPO(Computer Aided Power Optimization) system maintains engine and mutual pump power at optimum levels. Mode selections are designed for various work loads and maintaining high performance while reducing fuel consumption.

Features such as auto deceleration and power boost are included in the system.

The system monitors engine speed, coolant temperature, and hydraulic oil temperature. Contained within the system are self diagnostic capabilities which are displayed by error codes on the cluster.

Self Diagnosis System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays them on the LCD monitor of the cluster through error codes. This controller has the capacity to identify 48 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temperature, and the state of all types of electric switches, provides the operator with a much more exact state of machine operating condition.

This makes the machine easier to troubleshoot when anything does go wrong.

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

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.

Auto Deceleration System

When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs to reduce engine speed.

This decreases fuel consumption and reduces

One Touch Decel System

cab noise levels.

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

Max. Flow Cut-off System

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

NEW MODE CONTROL SYSTEM



► POWER MODE

H mode: High power S mode: Standard power

► WORK MODE

: Heavy duty work: General work

🔊 : Breaker

► USER MODE

M mode: Maximum Power

U mode: Memorizing Operator's Preferable Power Setting

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 restarting 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.

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.

Hydraulic Damper in Travel Pedal

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

CUMMINS QSM11-C 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 II emissions regulations.



Setting the standard in clean, efficient power.

The QSM 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 QSM 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.

Reinforced Bucket and Bucket Linkage

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



Strong and Stable Lower Frame

Reinforced box-section frame is all welded, low-stress, high-strength steel.

It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower rollers and track guards.

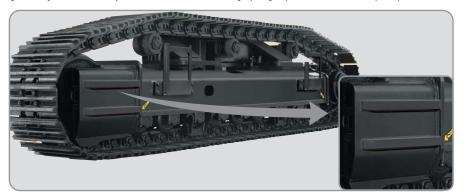
Long undercarriage incorporates heavy duty excavator style components.

X-leg type center frame is integrally welded for maximum strength and durability.



Track Rail Guide & Adjusters

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



Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



Reliability & Serviceability RELIABILITY & SERVICEABILITY 10/11

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

Handrails and foot steps are applied for safety



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

Pump output capacity has been increased.



Large Tool Box for Extra Storage



Specifications



Engine

	Model		Cummins QSM11-C			
	Туре		Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission			
Rate	d flywheel horse	power				
SAF	J1995 (gross)	LID/IdM/\/rmm	353 (263) / 1,900			
SAE	J1349 (net)	HP(kW)/rpm	320 (239) / 1,900			
DIN	6271 (gross)	DC (IdM) /rm m	358 (263) / 1,900			
וווע	6271 (net)	PS(kW)/rpm	325 (239) / 1,900			
Max	. torque	kgf·m(lbf·ft)/rpm	182.5 (1,320) / 1,300			
Bore	x stroke	mm (in)	125 (4.92) x 147(5.79)			
Pisto	on displacement	cc (in³)	10,800 (659)			
Batte	eries		2 x 12V x 200AH			
Star	ting motor		24V, 7.2kw			
Alter	rnator		24V, 70Amp			

Hydraulic system

Main pump				
Type		Two variable displacement piston pumps		
Max. flow		2x380 \(\ell /min (100.4 US gpm / 83.6 UK gpm)		
Sub-pump for pilot circ	cuit	Gear pump		
Cross-sensing and fue	l saving pu	ımp system		
Hydraulic motors				
Travel		Two speed axial piston motor with brake valve and parking brake		
Swing		Axial piston motor with automatic brak		
Relief valve setting				
Implement circuits		330 kgf/cm ² (4,690 psi)		
Travel		345 kgf/cm² (4,910 psi)		
Power boost (boom, arn	n, bucket)	360 kgf/cm ² (5,120 psi)		
Swing circuit		285 kgf/cm ² (3,770 psi)		
Pilot circuit		35 kgf/cm² (500 psi)		
Service valve		Installed		
Hydraulic cylinders				
No. of authorize	Boom: 2-	170×1,570 mm (6.7"×61.8")		
No. of cylinder- bore x stroke	Arm: 1-19	90×1,820 mm (7.5"×71.7")		
DOIO A GLIONO	Bucket: 1-170×1,370 mm (6.7"×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 (82,000 lbf)
Max. travel speed(high) / (low)	5.3 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc



L 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	10.0 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	R500LC-7
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier roller on each side	3
No. of track roller on each side	9
No. of track guard on each side	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	9,940kg (21,910lb)
Counterweight	10,200kg (22,490lb)
Boom (with Arm cylinder)	4,180kg (9,220lb)

Operating weight

SI	ioes	Operating weight	Ground pressure	
Type	Width mm(in)	kg(lb)	kgf/cm²(psi)	
	* 600 (24)	48,800 (107,580)	0.84 (11.94)	
Triple	700 (28)	49,340 (108,770)	0.73 (10.38)	
grouser	750 (30)	49,590 (109,330)	0.69 (9.81)	
	800 (32)	49,850 (109,900)	0.65 (9.24)	
Double	600 (24)	48,800 (107,580)	0.84 (11.94)	
grouser	700 (28)	49,340 (108,770)	0.73 (10.38)	

^{*} Standard equipment

Backhoe attachment 12/13



SAE heaped

m³(yd³)



1.65 (2.16)





1.84 (2.41) * **2.15 (2.81)**

2.56 (3.35)



3.03 (3.96)



2.43 (3.18)3.20 (4.19) ■ 2.20 (2.88) ⊙ 1.80 (2.35) ⊙ 2.20 (2.88)

Canacity	Capacity m ³ (yd ³)		Width mm (in)		Recommendation mm(ft·in)							
Gapacity	GapaGity III' (yu')		Width mm (in)		Boom	Boom 7,060 (23' 2")					6,550 (21' 6")	9,000 (29' 6")
SAE heaped	CECE heaped	Without side cutters	With side cutters	kg(lb)	Arm	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″)
1.38 (1.80)	1.25 (1.63)	995 (39.2)	1145 (45.1)	1420 (3130)		•	•	•	•	-	•	-
1.65 (2.16)	1.48 (1.94)	1140 (44.9)	1290 (50.8)	1520 (3350)		•	•	•		A	•	-
1.84 (2.41)	1.65 (2.16)	1245 (49.0)	1395 (54.9)	1630 (3590)		•	•			A	•	-
*2.15 (2.81)	1.92 (2.51)	1415 (55.7)	1565 (61.6)	1740 (3840)		•	•	•	A	A	•	-
2.56 (3.35)	2.27 (2.97)	1635 (64.4)	1785 (70.3)	1870 (4120)			A	A	A	-	-	-
2.79 (3.65)	2.47 (3.23)	1760 (69.3)	1910 (75.2)	1960 (4320)		A	A	A	-	-		-
3.03 (3.96)	2.67 (3.49)	1890 (74.4)	2040 (80.3)	2090 (4610)		-	-	-	-	-		-
★ 1.38 (1.80)	1.20 (1.57)	1100 (43.3)	1250 (49.2)	1360 (3000)		-	-	-	-	-	-	A
★ 1.65 (2.16)	1.44 (1.88)	1350 (53.1)	1500 (59.1)	1550 (3420)		-	-	-	-	-	-	A
■2.20 (2.88)	1.80 (2.35)	1840 (72.4)	-	2170 (4780)		•	•		A	A	•	-
●1.80 (2.35)	1.50 (1.96)	1560 (61.4)	-	2090 (4610)		•	•	•	A	A	•	-
2.20 (2.88)	1.80 (2.35)	1835 (72.2)	-	2295 (5060)				A	A	A	•	-
2.43 (3.18)	2.10 (2.75)	1885 (74.2)	-	2335 (5150)			A	A	-	-		_
3.20 (4.19)	2.80 (3.66)	2095 (82.5)	-	2900 (6390)		-	-	-	-	-	A	-

- ※: Standard backhoe bucket / ■: Heavy-duty / ●: Rock bucket-Heavy duty
- ★: 9000mm boom, 5850mm arm only

- •: 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 1,600 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.





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
AIIII	Weight	kg(lb)	2,370 (5220)	2,540 (5600)	2,380 (5250)	2,670 (5890)	2,860 (6310)	nemark
Bucket	SAE	kN kgf Ibf	247.1 [269.6] 25,200 [27,490] 55,560 [60,610]	251.1 [273.9] 25,600 [27,930] 56,440 [61,570]	253.0 [276.0] 25,800 [28,150] 56,880 [62,050]	253.0 [276.0] 25,800 [28,150] 56,880 [62,050]	253.0 [276.0] 25,800 [28,150] 56,880 [62,050]	
digging force	ISO	kN kgf Ibf	286.4 [312.4] 29,200 [31,850] 64,370 [70,220]	290.3 [316.7] 29,600 [32,290] 65,260 [71,190]	292.2 [318.8] 29,800 [32,510] 65,700 [71,670]	292.2 [318.8] 29,800 [32,510] 65,700 [71,670]	292.2 [318.8] 29,800 [32,510] 65,700 [71,670]	[]:
Arm	SAE	kN kgf Ibf	278.5 [303.8] 28,400 [30,980] 62,610 [68,300]	225.6 [246.1] 23,000 [25,090] 50,710 [55,320]	192.2 [209.7] 19,600 [21,380] 43,210 [47,140]	171.6 [187.2] 17,500 [19,090] 38,580 [42,090]	159.9 [174.4] 16,300 [17,780] 35,940 [39,210]	Power Boost
crowd force	IS0	kN kgf Ibf	291.3 [317.7] 29,700 [32,400] 65,480 [71,430]	235.4 [256.8] 24,000 [26,180] 52,910 [57,720]	200.1 [218.2] 20,400 [22,250] 44,970 [49,060]	177.5 [193.6] 18,100 [19,750] 39,900 [43,530]	164.8 [179.7] 16,800 [18,330] 37,040 [40,410]	

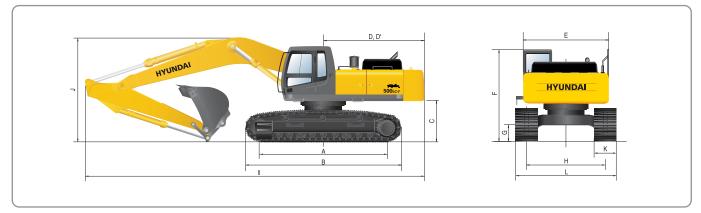
Note : Arm weight including bucket cylinder and linkage.

* Standard arm

NEW 7 SERIES ROBEX 500LC-7

Dimensions & Working ranges

Dimensions



mm (ft · in)

	Description	R500LC-7
Α	Tumbler distance	4,470 (14′ 8″)
В	Overall length of crawler	5,460(17′ 11″)
C	Ground clearance of CWT	1,500 (4′ 11″)
D	Tail swing radius	3,720 (12' 2")
D'	Rear-end length	3,665 (12′ 0″)
Е	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,390 (11' 2")
G	Min. ground clearance	770 (2′ 6″)
Н	Track gauge(Extended/Retracted)	2,940 (9' 8")/2,380 (7' 10")

mm (ft · in)

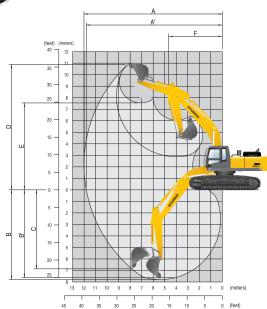
mm (ft · in)

	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″)		4,500 (14′ 9″)	2,400 (7′ 10″)	5,850 (19′ 2″)
I	Overall length	12,250 (40′ 2″)	12,150 (39′ 10″)	12,030 (39′ 6″)	12,020 (39′ 5″)	12,030 (39′ 6″)	11,750 (38′ 7″)	13,770 (45′ 2″)
J	Overall height of boom	3,970 (13′ 0″)	3,880 (12′ 9″)	3,850 (12′ 8″)	4,100 (13′ 5″)	4,540 (14′ 11″)	4,100 (13′ 5″)	5,190 (17′ 0″)

K	Track shoe width		% 600 (24″)	700 (28")	750 (30")	800 (32")
	Overall width	Extended	3,540 (11′7″)	3,640 (11′ 11″)	3,690 (12′ 1″)	3,740 (12′ 3″)
_	Overan width	Retracted	2,990 (9′ 9″)	3,080 (10′ 1″)	3,130 (10′ 3″)	3,180 (10′ 5″)

^{*} Standard Equipment

Working ranges



п		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″)
	Α	Max. digging reach	11,140 (36′ 7″)	11,530 (37′ 10″)	12,080 (39′ 8″)	12,640 (41′ 6″)	13,130 (43′ 1″)	10,590 (34′ 9″)	16,280 (53′ 5″)
	A′	Max. digging reach on ground	10,890 (35′ 9″)	11,290 (37′ 0″)	11,840 (38′ 10″)	12,420 (40′ 9″)	12,910 (42' 4")	10,320 (33′ 10″)	16,100 (52′ 10″)
	В	Max. digging depth	6,610 (21′ 8″)	7,110 (23′ 4″)	7,590 (24′ 11″)	8,210 (26′ 11″)	8,710 (28' 7")	6,130 (20′ 1″)	11,380 (37′ 4″)
	B′	Max. digging depth (8' level)	6,430 (21′ 1″)	6,940 (22′ 9″)	7,440 (24′ 5″)	8,080 (26′ 6″)	8,590 (28' 2")	5,950 (19′ 6″)	11,280 (37′ 0″)
	С	Max. vertical wall digging depth	4,880 (16′ 0″)	4,780 (15′ 8″)	5,470 (17′ 11″)	5,980 (19′ 7″)	6,480 (21′ 3″)	4,390 (14′ 5″)	10,070 (33′ 0″)
	D	Max. digging height	10,640 (34′ 11″)	10,610 (34′ 10″)	11,080 (36′ 4″)	11,290 (37′ 0″)	11,550 (37′ 11″)	10,260 (33′ 8″)	13,930 (45′ 8″)
	E	Max. dumping height	7,290 (23′ 11″)	7,350 (24′ 1″)	7,760 (25′ 6″)	7,980 (26′ 2″)	8,230 (27′ 0″)	6,920 (22′ 8″)	10,530 (34′ 7″)

5,110 4,910 **4,830** 4,910 4,960 4,650

(16' 9") | (16' 1") | **(15' 10**") | (16' 1") | (16' 3") | (15' 3") | (19' 6")

**** Standard Equipment**

F Min. swing radius

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 SAE heaped • Shoe: 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

					Load	radius					At max. rea	ach
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	Capa	acity	Reach
heigh m(ft)												m (ft)
7.5m 25 ft	kg Ib				 					*10150 * 22380	8880 19580	8.27 (27.1)
6.0m 20 ft	kg Ib				 	*13080 * 28840	*13080 * 28840	*11470 * 25290	10290 22690	*9990 * 22020	7350 16200	9.07 (29.8)
4.5m 15 ft	kg Ib			*19660 * 43340	*19660 * 43340	*14710 * 32430	14420 31790	*12180 * 26850	9980 22000	*9970 * 21980	6550 14440	9.53 (31.3)
3.0m 10 ft	kg Ib				 	*16400 * 36160	13610 30000	*13000 * 28660	9580 21120	*9970 * 21980	6190 13650	9.71 (31.9)
1.5m 5 ft	kg Ib				 	*17480 * 38540	12980 28620	*13580 * 29940	9240 20370	9990 22020	6160 13580	9.62 (31.6)
Ground Line	kg Ib			*23610 * 52050	19860 43780	*17570 * 38740	12640 27870	*13590 * 29960	9010 19860	*10030 * 22110	6510 14350	9.26 (30.4)
-1.5m -5 ft	kg Ib	*26350 * 58090	*26350 * 58090	*21600 * 47620	19940 43960	*16560 * 36510	12560 27690	*12700 * 28000	8960 19750	*9750 * 21500	7370 16250	8.59 (28.2)
-3.0m -10 ft	kg Ib	*22190 * 48920	*22190 * 48920	*18210 * 40150	*18210 * 40150	*14120 * 31130	12730 28060			*8780 * 19360	*8780 * 19360	7.49 (24.6)
-4.5m -15 ft	kg Ib			*12470 * 27490	*12470 * 27490							

• Boom: 7.06 m (23' 2") • Arm: 2.40 m (7' 10") • Bucket: 2.15 m³ SAE heaped • Shoe: 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

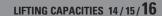
						Load	radius		. , , .			At	max. read	h
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	9.0m	(30 ft)	Capa	acity	Reach
heigh m(ft)			=		=						=			m (ft)
7.5m 25 ft	kg Ib		 				 	*10340 * 22800	*10340 * 22800			*9180 * 20240	7630 16820	8.92 (29.3)
6.0m 20 ft	kg Ib		 			*12670 * 27820	*12620 * 27820	*10820 * 23850	10180 22440			*9080 * 20020	6440 14200	9.66 (31.7)
4.5m 15 ft	kg Ib		 			*14390 * 31720	14020 30910	*11680 * 25750	9780 21560	*10120 * 22310	7110 15670	*9080 * 20020	5780 12740	10.10 (33.1)
3.0m 10 ft	kg Ib		 			*16110 * 35520	13140 28970	*12580 * 27730	9330 20570	*10510 * 23170	6910 15230	8950 19730	5480 12080	10.26 (33.7)
1.5m 5 ft	kg Ib		 			*17120 * 37740	12530 27620	*13210 * 29120	8970 19780	*10760 * 23720	6720 14820	8970 19780	5460 12040	10.18 (33.4)
Ground Line	kg Ib		 			*17190 * 37900	12240 26980	*13340 * 29410	8740 19270			*9210 * 20300	5730 12630	9.84 (32.3)
-1.5m - 5 ft	kg Ib		- - -	*20900 * 46080	19470 42920	*16330 * 36000	12200 26900	*12750 * 28110	8680 19140			*9040 * 19930	6410 14130	9.22 (30.2)
-3.0m - 10 ft	kg Ib	*21270 * 46890	*21270 * 46890	*18160 * 40040	*18160 * 40040	*14430 * 31810	12370 27270	*11040 * 24340	8820 19440			*8420 * 18560	7840 17280	8.22 (27.0)
-4.5m -15 ft	kg Ib		 	*13760 * 30340	*13760 * 30340	*10760 * 23720	*10760 * 23720							

• Boom: 7.06 m (23' 2") • Arm: 2.90 m (9' 6") • Bucket: 2.15 m³ SAE heaped • Shoe : 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

						Load	radius					At	max. read	ch
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	9.0m	(30 ft)	Capa	acity	Reach
heigh m(ft)					=									m (ft)
7.5m 25 ft	kg Ib		 				 	*9570 * 21100	*9570 * 21100			*8450 * 18630	7000 15430	9.38 (30.8)
6.0m 20 ft	kg Ib		 				 	*10150 * 22380	*10150 * 22380			*8410 * 18540	5960 13140	10.08 (33.1)
4.5m 15 ft	kg Ib		 - 	*18310 * 40370	*18310 * 40370	*13530 * 29830	*13530 * 29830	*11080 * 24430	9850 21720	*9630 * 21230	7150 15760	*8460 * 18650	5370 11840	10.50 (34.4)
3.0m 10 ft	kg Ib		 	*22070 * 48660	20540 45280	*15390 * 33930	13290 29300	*12080 * 26630	9370 20660	*10130 * 22330	6900 15210	8380 18470	5080 11200	10.66 (35.0)
1.5m 5 ft	kg Ib		 - -	*23640 * 52120	19420 42810	*16690 * 36800	12560 27690	*12870 * 28370	8940 19710	*10520 * 23190	6670 14700	8370 18450	5050 11130	10.58 (34.7)
Ground Line	kg Ib		 	*23280 * 51320	19120 42150	*17100 * 37700	12160 26810	*13200 * 29100	8660 19090	*10600 * 23370	6510 14350	8740 19270	5270 11620	10.26 (33.7)
-1.5m - 5 ft	kg Ib	*21630 * 47690	*21630 * 47690	*21870 * 48220	19170 42260	*16590 * 36570	12030 26520	*12890 * 28420	8540 18830			*8740 * 19270	5830 12850	9.66 (31.7)
-3.0m - 10 ft	kg Ib	*24730 * 54520	*24730 * 54520	*19470 * 42920	19440 42860	*15100 * 33290	12130 26740	*11680 * 25750	8610 18980			*8420 * 18560	6980 15390	8.72 (28.6)
-4.5m -15 ft	kg Ib	*19310 * 42570	*19310 * 42570	*15640 * 34480	*15640 * 34480	*12190 * 26870	*12190 * 26870		 			*7260 * 16010	*7260 * 16010	7.30 (24.0)

- 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.





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 SAE heaped • Shoe: 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

						Load	radius					A1	max. read	ch
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	9.0m	(30 ft)	Capa	acity	Reach
heigh m(ft)					=		=						=	m (ft)
7.5m 25 ft	kg Ib		 						 			*7940 * 17500	6280 13850	10.00 (32.8)
6.0m 20 ft	kg Ib		 					*9650 * 21270	*9650 * 21270	*8840 * 19490	7490 16510	*7910 * 17440	5420 11950	10.66 (35.0)
4.5m 15 ft	kg Ib		 	*17020 * 37520	*17020 * 37520	*12850 * 28330	*12850 * 28330	*10650 * 23480	10010 22070	*9320 * 20550	7270 16030	*7960 * 17550	4930 10870	11.05 (36.3)
3.0m 10 ft	kg Ib		I I	*21080 * 46470	*21080 * 46470	*14860 * 32760	13540 29850	*11740 * 25880	9510 20970	*9900 * 21830	7000 15430	7740 17060	4690 10340	11.20 (36.7)
1.5m 5 ft	kg Ib		 	*23420 * 51630	19860 43780	*16410 * 36180	12770 28150	*12670 * 27930	9050 19950	*10390 * 22910	6740 14860	7730 17040	4650 10250	11.13 (36.5)
Ground Line	kg Ib		 	*23730 * 52320	19320 42590	*17110 * 37720	12290 27090	*13170 * 29030	8730 19250	*10620 * 23410	6540 14420	8030 17700	4830 10650	10.82 (35.5)
-1.5m -5 ft	kg Ib	*19510 * 43010	*19510 * 43010	*22730 * 50110	19240 42420	*16910 * 37280	12090 26650	*13080 * 28840	8570 18890	*10370 * 22860	6450 14220	*8220 * 18120	5280 11640	10.26 (33.7)
-3.0m -10 ft	kg Ib	*26060 * 57450	*26060 * 57450	*20660 * 45550	19410 42790	*15740 * 34700	12110 26700	*12190 * 26870	8570 18890			*8000 * 17640	6180 13620	9.40 (30.8)
-4.5m -15 ft	kg Ib	*22420 * 49430	*22420 * 49430	*17260 * 38050	*17260 * 38050	*13320 * 29370	12340 27210	*9930 * 21890	8780 19360			*7220 * 15920	*7220 * 15920	8.11 (26.6)
-6.0m -20 ft	kg Ib		 	*11650 * 25680	*11650 * 25680									

• Boom: 7.06 m (23' 2") • Arm: 4.00 m (13' 1") • Bucket: 2.15 m3 SAE heaped • Shoe: 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

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							Load	radius						At	max. rea	ch
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	9.0m	(30 ft)	10.5m	(35 ft)	Capa	acity	Reach
heigh m(ft)																m (ft)
7.5m 25 ft	kg Ib		 				 		 	*6430 * 14180	*6430 * 14180			*7150 * 15760	5540 12210	10.64 (34.9)
6.0m 20 ft	kg Ib		 				 		 	*8080 * 17810	7550 16640			*7160 * 15790	4820 10630	11.26 (36.9)
4.5m 15 ft	kg Ib		 				 	*9790 * 21580	*9790 * 21580	*8640 * 19050	7280 16050	*5420 * 11950	5370 11840	*7220 * 15920	4390 9680	11.62 (38.1)
3.0m 10 ft	kg Ib		 	*19190 * 42310	*19190 * 42310	*13770 * 30360	13720 30250	*10980 * 24210	9540 21030	*9310 * 20530	6970 15370	*7050 * 15540	5210 11490	7030 15500	4170 9190	11.77 (38.6)
1.5m 5 ft	kg Ib		 	*22280 * 49120	20090 44290	*15580 * 34350	12820 28260	*12050 * 26570	9020 19890	*9920 * 21870	6670 14700	*7850 * 17310	5050 11130	7000 15430	4120 9080	11.70 (38.4)
Ground Line	kg Ib	*14150 * 31200	*14150 * 31200	*23440 * 51680	19230 42390	*16640 * 36680	12200 26900	*12770 * 28150	8630 19030	*10320 * 22750	6420 14150	*7150 * 15760	4920 10850	7230 15940	4260 9390	11.41 (37.4)
-1.5m -5 ft	kg Ib	*18510 * 40810	*18510 * 40810	*23100 * 50930	18930 41730	*16830 * 37100	11890 26210	*12950 * 28550	8390 18500	*10320 * 22750	6270 13820			*7620 * 16800	4620 10190	10.88 (35.7)
-3.0m -10 ft	kg Ib	*23660 * 52160		*21570 * 47550	18980 41840	*16090 * 35470	11820 26060	*12430 * 27400	8320 18340	*9680 * 21340	6250 13780			*7550 * 16640	5320 11730	10.08 (33.1)
-4.5m -15 ft	kg Ib		*25710 * 56680	*18800 * 41450	*18800 * 41450	*14260 * 31440	11960 26370	*10880 * 23990	8430 18580		l I			*7150 * 15760	6680 14730	8.91 (29.2)
-6.0m -20 ft	kg Ib	*18640 * 41090	*18640 * 41090		*14220 * 31350	*10710 * 23610	*10710 * 23610		 		i I			*0 * 0	0 0	0.00 (0.0)

NOTES 1. Lifting capacity is based on SAE J1097, ISO 10567.

- Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 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 17





• Boom: 7.06 m (23' 2") • Arm: 4.50 m (14' 9") • Bucket: 2.15 m³ SAE heaped • Shoe: 600mm(24") triple grouser & 10,200kg(22,490 lb) CWT

							Load	radius						At	max. rea	ch
Load Po		3.0m	(10 ft)	4.5m	(15 ft)	6.0m	(20 ft)	7.5m	(25 ft)	9.0m	(30 ft)	10.5m	(35 ft)	Capa	acity	Reach
heigh m(ft)		•	=		=				=		=					m (ft)
7.5m 25 ft	kg Ib		 				 		 	*6730 * 14840	*6730 * 14840		 	*6590 * 14530	4990 11000	11.18 (36.7)
6.0m 20 ft	kg Ib						 		 	*7500 * 16530	*7500 * 16530	*4930 * 10870	*4930 * 10870	*6620 * 14590	4370 9630	11.76 (38.6)
4.5m 15 ft	kg Ib						 	*9110 * 20080	*9110 * 20080	*8110 * 17880	7320 16140	*6660 * 14680	5390 11880	*6690 * 14750	3990 8800	12.11 (39.7)
3.0m 10 ft	kg Ib			*17640 * 38890	*17640 * 38890	*12870 * 28370	*12870 * 28370	*10360 * 22840	9600 21160	*8840 * 19490	6980 15390	*7820 * 17240	5200 11460	6490 14310	3790 8360	12.25 (40.2)
1.5m 5 ft	kg Ib			*21200 * 46740	20380 44930	*14860 * 32760	12910 28460	*11540 * 25440	9040 19930	*9530 * 21010	6640 14640	*8180 * 18030	5000 11020	6450 14220	3740 8250	12.18 (40.0)
Ground Line	kg Ib	*14310 * 31550	*14310 * 31550	*22980 * 50660	19250 42440	*16190 * 35690	12200 26900	*12400 * 27340	8580 18920	*10040 * 22130	6360 14020	*8190 * 18060	4840 10670	6640 14640	3840 8470	11.91 (39.1)
-1.5m -5 ft	kg Ib	*17750 * 39130		*23160 * 51060	18780 41400	*16670 * 36750	11780 25970	*12770 * 28150	8290 18280	*10210 * 22510	6170 13600	*7850 * 17310	4740 10450	7110 15670	4140 9130	11.41 (37.4)
-3.0m -10 ft	kg Ib	*22170 * 48880	*22170 * 48880	*22090 * 48700	18710 41250	*16250 * 35830	11640 25660	*12510 * 27580	8160 17990	*9840 * 21690	6100 13450		 	*7120 * 15700	4710 10380	10.65 (34.9)
-4.5m - 15 ft	kg Ib	*27780 * 61240		*19780 * 43610	18920 41710	*14820 * 32670	11710 25820	*11360 * 25040	8210 18100	*8500 * 18740	6190 13650		 	*6890 * 15190	5790 12760	9.56 (31.4)
-6.0m -20 ft	kg Ib	*21610 * 47640		*15870 * 34990	*15870 * 34990	*11960 * 26370	*11960 * 26370	*8670 * 19110	8500 18740				 	*6000 * 13230	*6000 * 13230	7.98 (26.2)

• Boom: 9.00 m (29' 6") • Arm: 5.85 m (19' 2") • Bucket: 1.65 m3 SAE heaped • Shoe: 600mm(24") triple grouser & 10,700kg(23,590 lb) CWT

		Load radius													mov roo	oh
								max. rea								
Load Po		3.0m	(10 ft)	5.0m	(15 ft)	7.0m	(25 ft)	9.0m	(30 ft)	11.0m	(35 ft)	13.0m	(45 ft)	Capa	acity	Reach
heigh m(ft)					=											m (ft)
10.0m 35 ft	kg Ib		 								 			*4350 * 9590	3530 7780	13.66 (44.8)
8.0m 25 ft	kg Ib									*4910 * 10820	*4910 * 10820	*2810 * 6190	*2810 * 6190	*4290 * 9460	2860 6310	14.63 (48.0)
6.0m 20 ft	kg Ib		 							*5320 * 11730	*5320 * 11730	*4370 * 9630	3650 8050	*4290 * 9460	2450 5400	15.25 (50.0)
4.0m 15 ft	kg Ib		 			*9040 * 19930	*9040 * 19930	*7050 * 15540	*7050 * 15540	*5880 * 12960	4990 11000	*5110 * 11270	3450 7610	4200 9260	2200 4850	15.57 (51.1)
2.0m 5 ft	kg Ib			*16870 * 37190	16620 36640	*10900 * 24030	9970 21980	*8070 * 17790	6630 14620	*6460 * 14240	4600 10140	*5410 * 11930	3230 7120	4080 8990	2100 4630	15.60 (51.2)
Ground Line	kg Ib		 	*17270 * 38070	15020 33110	*12210 * 26920	9020 19890	*8880 * 19580	6060 13360	*6930 * 15280	4250 9370	5550 12240	3030 6680	4140 9130	2110 4650	15.35 (50.4)
-2.0m -5 ft	kg Ib	*11700 * 25790	*11700 * 25790	*18210 * 40150	14440 31830	*12720 * 28040	8480 18700	*9290 * 20480	5680 12520	*7160 * 15790	4010 8840	5400 11900	2890 6370	4390 9680	2270 5000	14.80 (48.6)
-4.0m -15 ft	kg Ib		*15000 * 33070	*17860 * 39370	14390 31720	*12450 * 27450	8290 18280	*9180 * 20240	5500 12130	*7000 * 15430	3890 8580	*4190 * 9240	2870 6330	*4530 * 9990	2620 5780	13.91 (45.6)
-6.0m - 20 ft	kg Ib		*18860 * 41580	*15810 * 34860	14660 32320	*11330 * 24980	8360 18430	*8400 * 18520	5530 12190	*6190 * 13650	3940 8690			*4380 * 9660	3290 7250	12.61 (41.4)
-8.0m -25 ft	kg Ib		*17900 * 39460	*12440 * 27430	*12440 * 27430	*9090 * 20040	8680 19140	*6540 * 14420	5780 12740		 			*3820 * 8420	*3820 * 8420	10.72 (35.2)

NOTES 1. Lifting capacity is based on SAE J1097, ISO 10567.

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

NEW 7 SERIES **ROBEX 500LC-7**