



**ROBEX 500LC-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

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.

Engine warming-up

Auto(One touch) decel Preheat (Air gride heater)

#### 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 pre-filter, Fuel line 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** 

#### **Optional Equipment**

Sun visor for cabin inside Fuel filler pump (35  $\ell$  /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)

CD player

#### 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 vd3)

Light duty bucket (2.56m³, 3.35yd³) Light duty bucket (2.79m³, 3.65yd³)

Light duty bucket (3.03m³, 3.96yd³)

Light duty bucket (3.20m³, 4.19yd³)

Light duty bucket (3.60m³, 4.71yd³) Heavy duty bucket (2.20m³, 2.88yd³)

Rock bucket (1.80m<sup>3</sup>, 2.35yd<sup>3</sup>)

Rock bucket (2.20m³, 2.88yd³)

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")

#### FATC (Full Automatic Temperature Control)

Lower frame under cover

Preheating system Tool kit

Operator suit

Louver type RH side door

Full track quard

Tropical kit

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 shown may vary according to International standards. All US measurement rounded off to nearest pounds or inches.



#### **CONSTRUCTION EQUIPMENT**

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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 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.



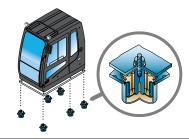


### Robex 500LC-7A



### **Improved Intelligent Display**

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**





#### ▲ Storage box and Cup Holder

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

#### **◄** Wide Cab with Excellent Visibility

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





#### **Highly Sensitive Joystick** and Easy Entrance

New joystick grips for precise control have been equipped with 4 switches.

Power boost Left 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.



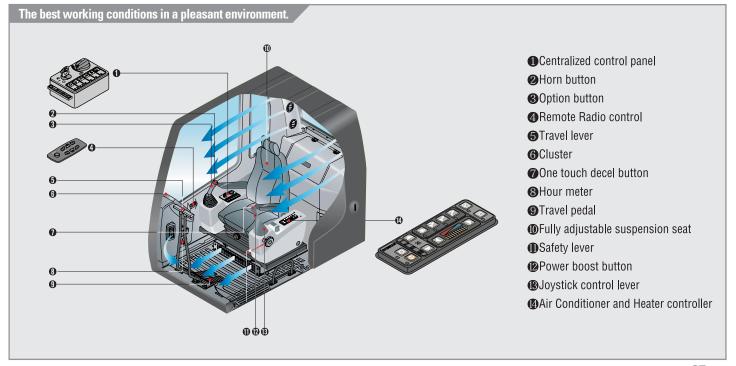
#### **Rear Emergency Exit** Window

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)





## **Automatic Engine Overheat**

gets too high, the CPU controller lowers the engine speed and cools



#### **Anti Restart System**

from re-starting during engine operation, even if the operator accidentally turns the start key



#### **Power boost control System** When the power boost system is activated, digging power increases about 10%.

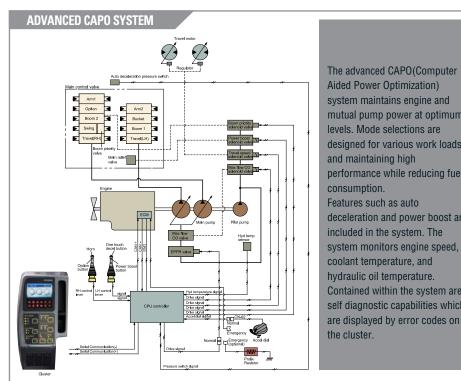
power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.



### **Automatic Warming-up System**

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

# **Advanced Hydraulic System**



NEW MODE CONTROL SYSTEM

H mode: High power S mode: Standard power

Heavy duty work General work Breaker

3 USER MODE

U mode : Memorizing Operator's Preferable Power Setting

POWER MODE

2 WORK MODE

M mode: Maximum Power

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 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

## **Auto Deceleration System**



When remotecontrol valves are in neutral position more than 4 seconds, CPU controller instructs the accel actuator to

reduce engine speed to auto decel rpm. This decreases fuel consumption and reduces cab noise levels.

#### Max. Flow Cut-off System

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

#### **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.



#### 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 of QSM11

Plus, the QSM11 now runs quieter and cleaner.

The QSM11 engine comes with powerful

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 it increases responsiveness and improves fuel

# **Increased Higher Performance**



#### Strong and Stable Lower Frame(Adjustable track 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

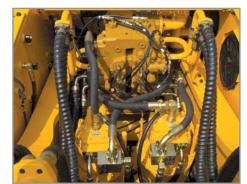
Sealed and adjustable bucket linkage provides less wear of pins and bushes

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**Pump output capacity has been increased.



Large tool box for extra storage



## **Specifications**



	Model		Cummins QSM11		
	Туре		Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission		
Rate	d flywheel horse	power			
SAE	J1995 (gross)	LID(IdM) /wa wa	357 (266) / 1,900		
SAE	J1349 (net)	HP(kW)/rpm	320 (239) / 1,900		
DIN	627 1/1 (gross)	DC (IdM) /wa wa	362 (266) / 1,900		
וווע	627 1/1 (net)	PS(kW)/rpm	325 (239) / 1,900		
Max.	. torque	kgf·m(lbf·ft)/rpm	170.6 (1,234) / 1,400		
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		
Start	ting motor		24V, 7.2kw		
Alter	nator		24V, 50Amp		



#### Mydraulic system

Main pump							
Type		Two variable displacement piston pumps					
Max. flow		2x360 \( \ell \) /min					
Sub-pump for pilot circ	cuit	Gear pump					
Cross-sensing and fuel	saving pu	mp system					
Hydraulic motors							
Travel		Two speed axial piston motor with brake valve and parking brake					
Swing		Axial piston motor with automatic brake					
Relief valve setting							
Implement circuits		330 kgf/cm <sup>2</sup> (4,690 psi)					
Travel		345 kgf/cm² (4,910 psi)					
Power boost (boom, arm	ı, bucket)	360 kgf/cm² (5,120 psi)					
Swing circuit		285 kgf/cm² (3,770 psi)					
Pilot circuit		35 kgf/cm² (498 psi)					
Service valve		Installed					
Hydraulic cylinders							
Maria Car Paula		Boom: 2-170 x 1,570 mm (6.7" x 61.8")					
No. of cylinder- bore x stroke		Arm: 1-190 x 1,820 mm (7.5" x 71.7")					
DOTO A GLIONO		Bucket: 1-170 x 1,370 mm (6.7" x 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)	5.0 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc



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	DE001 0 74
Description	R500LC-7A
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**

Sho	oes	Operating weight	Ground pressure		
Туре	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)		

<sup>\*</sup> Standard equipment

## **Backhoe attachment**

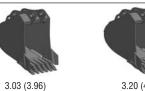
#### **Buckets**







**★** 1.65 (2.16) 2.56 (3.35) 1.84 (2.41) 2.79 (3.65) **※ 2.15 (2.81)** 



3.60 (4.71)



**2.20** (2.88) **2.43** (3.18) **⊙** 1.80 (2.35) **⊙** 3.20 (4.19) **②** 2.20 (2.88)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)			Recommendation mm(ft-in)							
Capacity	Capacity III (yd ) Width IIIII (iii)		Weight	Boom	300m 7,060 (23' 2") 6,550					6,550 (21' 6")	9,000 (29' 6")	
SAE heaped	CECE heaped	Without side cutters	With side cutters	kg(lb)	kg(lb) Arm		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)	1,145 (45.1)	1,420 (3,130)	•		•	•	•		•	_
1.65 (2.16)	1.48 (1.94)	1,140 (44.9)	1,290 (50.8)	1,520 (3,350)		•	•	•		<b>A</b>	•	_
1.84 (2.41)	1.65 (2.16)	1,245 (49.0)	1,395 (54.9)	1,630 (3,590)	•		•	-		<b>A</b>	•	-
<b>× 2.15 (2.81)</b>	1.92 (2.51)	1,415 (55.7)	1,565 (61.6)	1,740 (3,840)	0) •		•	-	<b>A</b>	<b>A</b>	•	_
2.56 (3.35)	2.27 (2.97)	1,635 (64.4)	1,785 (70.3)	1,870 (4,120)			<b>A</b>	<b>A</b>	<b>A</b>	_	-	_
2.79 (3.65)	2.47 (3.23)	1,760 (69.3)	1,910 (75.2)	1,960 (4,320)	<b>A</b>		<b>A</b>	<b>A</b>	_	_		_
3.03 (3.96)	2.67 (3.49)	1,890 (74.4)	2,040 (80.3)	2,090 (4,610)		-	_	_	-	_	<b>A</b>	_
3.20 (4.19)	2.82 (3.69)	1,980 (78.0)	2,130 (83.9)	2,205 (4,860)		_	_	_	_	_	<b>A</b>	_
3.60 (4.71)	3.17 (4.15)	2,200 (86.6)	2,350 (92.5)	2,395 (5,280)		-	-	-	-	-	<b>A</b>	_
<b>★</b> 1.38 (1.80)	1.20 (1.57)	1,100 (43.3)	1,250 (49.2)	1,360 (3,000)		-	-	_	-	_	-	<b>A</b>
<b>★</b> 1.65 (2.16)	1.44 (1.88)	1,350 (53.1)	1,500 (59.1)	1,550 (3,420)		-	-	-	-	_	_	<b>A</b>
<b>2.20</b> (2.88)	1.80 (2.35)	1,840 (72.4)	-	2,170 (4,780)		•	•	•	<b>A</b>	<b>A</b>	<b>A</b>	•
<b>⊙</b> 1.80 (2.35)	1.50 (1.96)	1,560 (61.4)	-	2,090 (4,610)	•		•	•	<b>A</b>	<b>A</b>	<b>A</b>	•
<b>⊙</b> 2.20 (2.88)	1.80 (2.35)	1,835 (72.2)	-	2,295 (5,060)			-	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	•
<b>⊙</b> 2.43 (3.18)	2.10 (2.75)	1,885 (74.2)	-	2,335 (5,150)	•		<b>A</b>	<b>A</b>	_	_	_	
<b>⊙</b> 3.20 (4.19)	2.80 (3.66)	2,095 (82.5)	-	2,900 (6,390)	_		_	_	_	_	_	<b>A</b>



#### **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.





Arm	Length	mm(ft·in)	2,400 (7′ 10″)	2,900 (9′ 6″)	<b>※ 3,380 (11</b> ′ 1″)	4,000 (13′ 1″)	4,500 (14′ 9″)	Domark
AIIII	Weight	kg(lb)	2,370 (5220)	2,540 (5600)	2,380 (5250)	2,670 (5890)	2,860 (6310)	Remark
Bucket digging force Arm crowd force	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 [28150] 56,880 [62050]	253.0 [276.0] 25,800 [28,150] 56,880 [62,050]	253.0 [276.0] 25,800 [28,150] 56,880 [62,050]	
	ISO	kN kgf Ibf	286.4 [312.4] 29,200 [31850] 64,370 [70220]	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]	[ ]:
	SAE	kN kgf lbf	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
	ISO	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. 

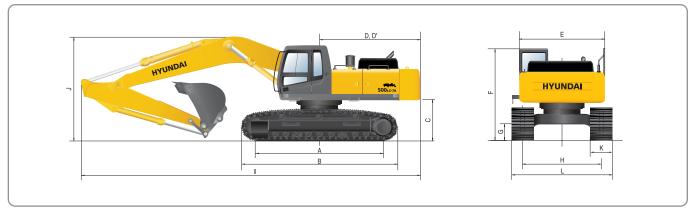
\* Standard arm

HYUNDAI CONSTRUCTION EQUIPMENT 12/13

<sup>• :</sup> 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 /m $^3$  (2,700 lb/ yd $^3$ ) or less : Applicable for materials with density of 1,100 kg /m $^3$  (1,850 lb/ yd $^3$ ) or less

# **Dimensions & Working ranges**

## **Dimensions**



mm (ft·in)

ı		Description	R500LC-7A
ı	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″)
ı	Е	Overall width of upperstructure	2,980 (9' 9")
ĺ	F	Overall height of cab	3,390 (11' 2")
ĺ	G	Min. ground clearance	770 (2′ 6″)
ĺ	н	Track gauge(Extended/Retracted)	2.940 (9' 8")/2.380 (7' 10")

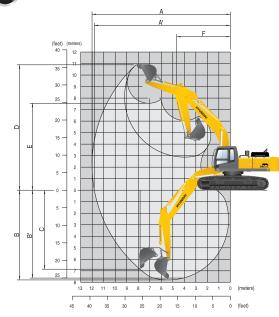
mm (ft·in)

	Boom length			<b>% 7,060</b>	(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″)
1	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")
	Overell width	Extended	3,540 (11′7″)	3,640 (11′ 11″)	3,690 (12′ 1″)	3,740 (12′ 3″)
_	Overall width	Retracted	2,990 (9′ 9″)	3,080 (10′ 1″)	3,130 (10′ 3″)	3,180 (10′ 5″)

<sup>\*</sup> Standard Equipment

### **Working ranges**



								mm (ft·in)
	Boom length			<b>%7,060</b> (	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	11,140 (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″)
Е	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″)
F	Min. swing radius	5,110 (16′ 9″)	4,910 (16′ 1″)	4,830 (15′ 10″)	4,910 (16′ 1″)	4,960 (16′ 3″)	4,650 (15′ 3″)	5,940 (19′ 6″)

<sup>\*</sup> Standard Equipment

# **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. reach			
Load Po		3.0m (	(10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	Cap	acity	Reach
heigh m(ft)	_											m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>		 		 		 		 	*10150 * <b>22380</b>	8880 <b>19580</b>	8.27 <b>(27.1)</b>
6.0m <b>20.0ft</b>	kg <b>Ib</b>		 		 	*13080 * <b>28840</b>	*13080 * <b>28840</b>	*11470 * <b>25290</b>	10290 <b>22690</b>	*9990 * <b>22020</b>	7350 <b>16200</b>	9.07 <b>(29.8)</b>
4.5m <b>15.0ft</b>	kg <b>Ib</b>		 	*19660 * <b>43340</b>	*19660 * <b>43340</b>	*14710 * <b>32430</b>	14420 <b>31790</b>	*12180 * <b>26850</b>	9980 <b>22000</b>	*9970 * <b>21980</b>	6550 <b>14440</b>	9.53 <b>(31.3)</b>
3.0m <b>10.0ft</b>	kg <b>Ib</b>		 		 	*16400 * <b>36160</b>	13610 <b>30000</b>	*13000 * <b>28660</b>	9580 <b>21120</b>	9970 <b>21980</b>	6190 <b>13650</b>	9.71 <b>(31.9)</b>
1.5m <b>5.0ft</b>	kg <b>Ib</b>		 		 	*17480 * <b>38540</b>	12980 <b>28620</b>	*13580 * <b>29940</b>	9240 <b>20370</b>	9990 <b>22020</b>	6160 <b>13580</b>	9.62 <b>(31.6)</b>
Ground Line	kg <b>Ib</b>		 	*23610 * <b>52050</b>	19860 <b>43780</b>	*17570 * <b>38740</b>	12640 <b>27870</b>	*13590 * <b>29960</b>	9010 <b>19860</b>	*10030 * <b>22110</b>	6510 <b>14350</b>	9.26 <b>(30.4)</b>
-1.5m <b>-5.0ft</b>	kg <b>Ib</b>	*26350 * <b>58090</b>	*26350 * <b>58090</b>	*21600 * <b>47620</b>	19940 <b>43960</b>	*16560 * <b>36510</b>	12560 <b>27690</b>	*12700 * <b>28000</b>	8960 <b>19750</b>	*9750 * <b>21500</b>	7370 <b>16250</b>	8.59 <b>(28.2)</b>
-3.0m <b>-10.0ft</b>	kg <b>Ib</b>	*22190 * <b>48920</b>	*22190 * <b>48920</b>	*18210 * <b>40150</b>	*18210 * <b>40150</b>	*14120 * <b>31130</b>	12730 <b>28060</b>		 	*8780 * <b>19360</b>	*8780 * <b>19360</b>	7.49 <b>(24.6)</b>
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>		 	*12470 * <b>27490</b>	*12470 * <b>27490</b>		 		     		 	

 $\textbf{-Boom}: 7.06 \text{ m } (23'\ 2'') \textbf{-Arm}: 2.40 \text{ m } (7'\ 10'') \textbf{-Bucket}: 2.15 \text{ m}^3 \text{ SAE heaped} \textbf{-Shoe}: 600 \text{mm} (24'') \text{ triple grouser \& 10,200kg} (22,490\ \text{lb}) \text{ CWT}$ 

						At	max. read	ch						
Load Po		3.0m (	10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	9.0m (	30.0ft)	Capa	acity	Reach
heigh m(ft)			<b>=</b>								<b>=</b>		<b>=</b>	m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>		 		 		 	*10340 * <b>22800</b>	*10340 * <b>22800</b>			*9180 * <b>20240</b>	7630 <b>16820</b>	8.92 <b>(29.3)</b>
6.0m <b>20.0ft</b>	kg <b>Ib</b>		 		 	*12620 * <b>27820</b>	*12620 * <b>27820</b>	*10820 * <b>23850</b>	10180 <b>22440</b>			*9080 * <b>20020</b>	6440 <b>14200</b>	9.66 <b>(31.7)</b>
4.5m <b>15.0ft</b>	kg <b>Ib</b>		  -  -		  - 	*14390 * <b>31720</b>	14020 <b>30910</b>	*11680 * <b>25750</b>	9780 <b>21560</b>	*10120 * <b>22310</b>	7110 <b>15670</b>	*9080 * <b>20020</b>	5780 <b>12740</b>	10.10 (33.1)
3.0m <b>10.0ft</b>	kg <b>Ib</b>		 		 	*16110 * <b>35520</b>	13140 <b>28970</b>	*12580 * <b>27730</b>	9330 <b>20570</b>	*10510 * <b>23170</b>	6910 <b>15230</b>	8950 <b>19730</b>	5480 <b>12080</b>	10.26 (33.7)
1.5m <b>5.0ft</b>	kg <b>Ib</b>		 		 	*17120 * <b>37740</b>	12530 <b>27620</b>	*13210 * <b>29120</b>	8970 <b>19780</b>	*10760 * <b>23720</b>	6720 <b>14820</b>	8970 <b>19780</b>	5460 <b>12040</b>	10.18 <b>(33.4)</b>
Ground Line	kg <b>Ib</b>		 		 	*17190 * <b>37900</b>	12240 <b>26980</b>	*13340 * <b>29410</b>	8740 <b>19270</b>			*9210 * <b>20300</b>	5730 <b>12630</b>	9.84 <b>(32.3)</b>
-1.5m <b>-5.0ft</b>	kg <b>Ib</b>		i I I	*20900 * <b>46080</b>	19470 <b>42920</b>	*16330 * <b>36000</b>	12200 <b>26900</b>	*12750 * <b>28110</b>	8680 <b>19140</b>			*9040 * <b>19930</b>	6410 <b>14130</b>	9.22 <b>(30.2)</b>
-3.0m - <b>10.0ft</b>	kg <b>Ib</b>	*21270 * <b>46890</b>	*21270 * <b>46890</b>	*18160 * <b>40040</b>	*18160 * <b>40040</b>	*14430 * <b>31810</b>	12370 <b>27270</b>	*11040 * <b>24340</b>	8820 <b>19440</b>			*8420 * <b>18560</b>	7840 <b>17280</b>	8.22 <b>(27.0)</b>
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>		 	*13760 * <b>30340</b>	*13760 * <b>30340</b>	*10760 * <b>23720</b>	*10760 * <b>23720</b>		 					

- 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	th
	oad Point 3.0m (10.0)		10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	9.0m (	30.0ft)	Capa	acity	Reach
heigh m(ft)					<b>=</b>									m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>		 				 	*9570 * <b>21100</b>	*9570 * <b>21100</b>			*8450 * <b>18630</b>	7000 <b>15430</b>	9.38 <b>(30.8)</b>
6.0m <b>20.0ft</b>	kg <b>Ib</b>		 				 	*10150 * <b>22380</b>	*10150 * <b>22380</b>			*8410 * <b>18540</b>	5960 <b>13140</b>	10.08 <b>(33.1)</b>
4.5m <b>15.0ft</b>	kg <b>Ib</b>		 	*18310 * <b>40370</b>	*18310 * <b>40370</b>	*13530 * <b>29830</b>	*13530 * <b>29830</b>	*11080 * <b>24430</b>	9850 <b>21720</b>	*9630 * <b>21230</b>	7150 <b>15760</b>	*8460 * <b>18650</b>	5370 <b>11840</b>	10.50 ( <b>34.4</b> )
3.0m <b>10.0ft</b>	kg <b>Ib</b>		 	*22070 * <b>48660</b>	20540 <b>45280</b>	*15390 * <b>33930</b>	13290 <b>29300</b>	*12080 * <b>26630</b>	9370 <b>20660</b>	*10130 * <b>22330</b>	6900 <b>15210</b>	8380 <b>18470</b>	5080 <b>11200</b>	10.66 <b>(35.0)</b>
1.5m <b>5.0ft</b>	kg <b>Ib</b>		 	*23640 * <b>52120</b>	19420 <b>42810</b>	*16690 * <b>36800</b>	12560 <b>27690</b>	*12870 * <b>28370</b>	8940 <b>19710</b>	*10520 * <b>23190</b>	6670 <b>14700</b>	8370 <b>18450</b>	5050 <b>11130</b>	10.58 <b>(34.7)</b>
Ground Line	kg <b>Ib</b>		 	*23280 * <b>51320</b>	19120 <b>42150</b>	*17100 * <b>37700</b>	12160 <b>26810</b>	*13200 * <b>29100</b>	8660 <b>19090</b>	*10600 * <b>23370</b>	6510 <b>14350</b>	8740 <b>19270</b>	5270 <b>11620</b>	10.26 <b>(33.7)</b>
-1.5m <b>-5.0ft</b>	kg <b>Ib</b>	*21630 * <b>47690</b>	*21630 * <b>47690</b>	*21870 * <b>48220</b>	19170 <b>42260</b>	*16590 * <b>36570</b>	12030 <b>26520</b>	*12890 * <b>28420</b>	8540 <b>18830</b>			*8740 * <b>19270</b>	5830 <b>12850</b>	9.66 <b>(31.7)</b>
-3.0m - <b>10.0ft</b>	kg <b>Ib</b>	*24730 * <b>54520</b>	*24730 * <b>54520</b>	*19470 * <b>42920</b>	19440 <b>42860</b>	*15100 * <b>33290</b>	12130 <b>26740</b>	*11680 * <b>25750</b>	8610 <b>18980</b>			*8420 * <b>18560</b>	6980 <b>15390</b>	8.72 <b>(28.6)</b>
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>	*19310 * <b>42570</b>	*19310 * <b>42570</b>	*15640 * <b>34480</b>	*15640 * <b>34480</b>	*12190 * <b>26870</b>	*12190 * <b>26870</b>		 			*7260 * <b>16010</b>	*7260 * <b>16010</b>	7.30 <b>(24.0)</b>

- 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**



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					At	max. read	ch
Load Po		3.0m (	10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	9.0m (	30.0ft)	Capa	acity	Reach
heigh m(ft)			<b>=</b>		<b>=</b>		<b>=</b>		<b>=</b>		<b>=</b>		<b>=</b>	m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>						 					*7940 * <b>17500</b>	6280 <b>13850</b>	10.00 <b>(32.8)</b>
6.0m <b>20.0ft</b>	kg <b>Ib</b>						 	*9650 * <b>21270</b>	*9650 * <b>21270</b>	*8840 * <b>19490</b>	7490 <b>16510</b>	*7910 * <b>17440</b>	5420 <b>11950</b>	10.66 <b>(35.0)</b>
4.5m <b>15.0ft</b>	kg <b>Ib</b>			*17020 * <b>37520</b>	*17020 * <b>37520</b>	*12850 * <b>28330</b>	*12850 * <b>28330</b>	*10650 * <b>23480</b>	10010 <b>22070</b>	*9320 * <b>20550</b>	7270 <b>16030</b>	*7960 * <b>17550</b>	4930 <b>10870</b>	11.05 ( <b>36.3</b> )
3.0m <b>10.0ft</b>	kg <b>Ib</b>			*21080 * <b>46470</b>	*21080 * <b>46470</b>	*14860 * <b>32760</b>	13540 <b>29850</b>	*11740 * <b>25880</b>	9510 <b>20970</b>	*9900 * <b>21830</b>	7000 <b>15430</b>	7740 <b>17060</b>	4690 <b>10340</b>	11.20 ( <b>36.7</b> )
1.5m <b>5.0ft</b>	kg <b>Ib</b>			*23420 * <b>51630</b>	19860 <b>43780</b>	*16410 * <b>36180</b>	12770 <b>28150</b>	*12670 * <b>27930</b>	9050 <b>19950</b>	*10390 * <b>22910</b>	6740 <b>14860</b>	7730 <b>17040</b>	4650 <b>10250</b>	11.13 ( <b>36.5</b> )
Ground Line	kg <b>Ib</b>			*23730 * <b>52320</b>	19320 <b>42590</b>	*17110 * <b>37720</b>	12290 <b>27090</b>	*13170 * <b>29030</b>	8730 <b>19250</b>	*10620 * <b>23410</b>	6540 <b>14420</b>	8030 <b>17700</b>	4830 <b>10650</b>	10.82 ( <b>35.5</b> )
-1.5m <b>-5.0ft</b>	kg <b>Ib</b>	*19510 * <b>43010</b>	*19510 * <b>43010</b>	*22730 * <b>50110</b>	19240 <b>42420</b>	*16910 * <b>37280</b>	12090 <b>26650</b>	*13080 * <b>28840</b>	8570 <b>18890</b>	*10370 * <b>22860</b>	6450 <b>14220</b>	*8220 * <b>18120</b>	5280 <b>11640</b>	10.26 ( <b>33.7</b> )
-3.0m -10.0ft	kg <b>Ib</b>	*26060 * <b>57450</b>	*26060 * <b>57450</b>	*20660 * <b>45550</b>	19410 <b>42790</b>	*15740 * <b>34700</b>	12110 <b>26700</b>	*12190 * <b>26870</b>	8570 <b>18890</b>			*8000 * <b>17640</b>	6180 <b>13620</b>	9.40 ( <b>30.8</b> )
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>	*22420 * <b>49430</b>	*22420 * <b>49430</b>	*17260 * <b>38050</b>	*17260 * <b>38050</b>	*13320 * <b>29370</b>	12340 <b>27210</b>	*9930 * <b>21890</b>	8780 <b>19360</b>			*7220 * <b>15920</b>	*7220 * <b>15920</b>	8.11 <b>(26.6)</b>
-6.0m <b>-20.0ft</b>	kg <b>Ib</b>			*11650 * <b>25680</b>	*11650 * <b>25680</b>		 							

• 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

	Ì	Load radius 3.0m (10.0ft)   4.5m (15.0ft)   6.0m (20.0ft)   7.5m (25.0ft)   9.0m (30.0ft)   1												At	max. rea	.ch
Load Po		3.0m (	10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	9.0m (	30.0ft)	10.5m	(35.0ft)	Capa	acity	Reach
heigh m(ft)							<b>=</b>				<b>=</b>					m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>		 							*6430 * <b>14180</b>	*6430 * <b>14180</b>		I I	*7150 * <b>15760</b>	5540 <b>12210</b>	10.64 ( <b>34.9</b> )
6.0m <b>20.0ft</b>	kg <b>Ib</b>		 							*8080 * <b>17810</b>	7550 <b>16640</b>		 	*7160 * <b>15790</b>	4820 <b>10630</b>	11.26 <b>(36.9)</b>
4.5m <b>15.0ft</b>	kg <b>Ib</b>		 					*9790 * <b>21580</b>	*9790 * <b>21580</b>	*8640 * <b>19050</b>	7280 <b>16050</b>	*5420 * <b>11950</b>	5370 <b>11840</b>	*7220 * <b>15920</b>	4390 <b>9680</b>	11.62 <b>(38.1)</b>
3.0m <b>10.0ft</b>	kg <b>Ib</b>		 	*19190 * <b>42310</b>		*13770 * <b>30360</b>	13720 <b>30250</b>	*10980 * <b>24210</b>	9540 <b>21030</b>	*9310 * <b>20530</b>	6970 <b>15370</b>	*7050 * <b>15540</b>	5210 <b>11490</b>	7030 <b>15500</b>	4170 <b>9190</b>	11.77 <b>(38.6)</b>
1.5m <b>50ft</b>	kg <b>Ib</b>		 	*22280 * <b>49120</b>	20090 <b>44290</b>	*15580 * <b>34350</b>	12820 <b>28260</b>	*12050 * <b>26570</b>	9020 <b>19890</b>	*9920 * <b>21870</b>	6670 <b>14700</b>	*7850 * <b>17310</b>	5050 <b>11130</b>	7000 <b>15430</b>	4120 <b>9080</b>	11.70 <b>(38.4)</b>
Ground Line	kg <b>Ib</b>	*14150 * <b>31200</b>	*14150 * <b>31200</b>	*23440 * <b>51680</b>	19230 <b>42390</b>	*16640 * <b>36680</b>	12200 <b>26900</b>	*12770 * <b>28150</b>	8630 <b>19030</b>	*10320 * <b>22750</b>	6420 <b>14150</b>	*7150 * <b>15760</b>	4920 <b>10850</b>	7230 <b>15940</b>	4260 <b>9390</b>	11.41 <b>(37.4)</b>
-1.5m <b>-5.0ft</b>	kg <b>Ib</b>	*18510 * <b>40810</b>	*18510 * <b>40810</b>	*23100 * <b>50930</b>	18930 <b>41730</b>	*16830 * <b>37100</b>	11890 <b>26210</b>	*12950 * <b>28550</b>	8390 <b>18500</b>	*10320 * <b>22750</b>	6270 <b>13820</b>			*7620 * <b>16800</b>	4620 <b>10190</b>	10.88 <b>(35.7)</b>
-3.0m <b>-10.0ft</b>	kg <b>Ib</b>	*23660 * <b>52160</b>	*23660 * <b>52160</b>	*21570 * <b>47550</b>	18980 <b>41840</b>	*16090 * <b>35470</b>	11820 <b>26060</b>	*12430 * <b>27400</b>	8320 <b>18340</b>	*9680 * <b>21340</b>	6250 <b>13780</b>		 	*7550 * <b>16640</b>	5320 <b>11730</b>	10.08 ( <b>33.1</b> )
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>	*25710 * <b>56680</b>	*25710 * <b>56680</b>	*18800 * <b>41450</b>	*18800 * <b>41450</b>	*14260 * <b>31440</b>	11960 <b>26370</b>	*10880 * <b>23990</b>	8430 <b>18580</b>				 	*7150 * <b>15760</b>	6680 <b>14730</b>	8.91 <b>(29.2)</b>
-6.0m <b>-20.0ft</b>	kg <b>Ib</b>	*18640 * <b>41090</b>	*18640 * <b>41090</b>	*14220 * <b>31350</b>	*14220 * <b>31350</b>	*10710 * <b>23610</b>	*10710 * <b>23610</b>						 	*0 * <b>0</b>	*0 * <b>0</b>	0.00 <b>(0.0)</b>

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.



Rating over-front Rating over-side or 360 degree

• 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

														At	max. rea	ch
Load Po		3.0m (	10.0ft)	4.5m (	15.0ft)	6.0m (	20.0ft)	7.5m (	25.0ft)	9.0m (	30.0ft)	10.5m	(35.0ft)	Capa	acity	Reach
heigh m(ft)		·•	<b>=</b>				<b>=</b>	·•	<b>=</b>		<b>⊯</b> ∑)		<b>=</b>	·•		m (ft)
7.5m <b>25.0ft</b>	kg <b>Ib</b>		 							*6730 * <b>14840</b>	*6730 * <b>14840</b>		 	*6590 * <b>14530</b>	4990 <b>11000</b>	11.18 ( <b>36.7</b> )
6.0m <b>20.0ft</b>	kg <b>Ib</b>		 							*7500 * <b>16530</b>	*7500 * <b>16530</b>	*4930 * <b>10870</b>	*4930 * <b>10870</b>	*6620 * <b>14590</b>	4370 <b>9630</b>	11.76 ( <b>38.6</b> )
4.5m <b>15.0ft</b>	kg <b>Ib</b>		 					*9110 * <b>20080</b>	*9110 * <b>20080</b>	*8110 * <b>17880</b>	7320 <b>16140</b>	*6660 * <b>14680</b>	5390 <b>11880</b>	*6690 * <b>14750</b>	3990 <b>8800</b>	12.11 <b>(39.7)</b>
3.0m <b>10.0ft</b>	kg <b>Ib</b>		 	*17640 * <b>38890</b>	*17640 * <b>38890</b>	*12870 * <b>28370</b>	*12870 * <b>28370</b>	*10360 * <b>22840</b>	9600 <b>21160</b>	*8840 * <b>19490</b>	6980 <b>15390</b>	*7820 * <b>17240</b>	5200 <b>11460</b>	6490 <b>14310</b>	3790 <b>8360</b>	12.25 ( <b>40.2</b> )
1.5m <b>5.0ft</b>	kg <b>Ib</b>		 	*21200 * <b>46740</b>	20380 <b>44930</b>	*14860 * <b>32760</b>	12910 <b>28460</b>	*11540 * <b>25440</b>	9040 <b>19930</b>	*9530 * <b>21010</b>	6640 <b>14640</b>	*8180 * <b>18030</b>	5000 <b>11020</b>	6450 <b>14220</b>	3740 <b>8250</b>	12.18 <b>(40.0)</b>
Ground Line	kg <b>Ib</b>	*14310 * <b>31550</b>	*14310 * <b>31550</b>	*22980 * <b>50660</b>	19250 <b>42440</b>	*16190 * <b>35690</b>	12200 <b>26900</b>	*12400 * <b>27340</b>	8580 <b>18920</b>	*10040 * <b>22130</b>	6360 <b>14020</b>	8190 <b>18060</b>	4840 <b>10670</b>	6640 <b>14640</b>	3840 <b>8470</b>	11.91 <b>(39.1)</b>
-1.5m - <b>5.0ft</b>	kg <b>Ib</b>	*17750 * <b>39130</b>	*17750 * <b>39130</b>	*23160 * <b>51060</b>	18780 <b>41400</b>	*16670 * <b>36750</b>	11780 <b>25970</b>	*12770 * <b>28150</b>	8290 <b>18280</b>	*10210 * <b>22510</b>	6170 <b>13600</b>	*7850 * <b>17310</b>	4740 <b>10450</b>	7110 <b>15670</b>	4140 <b>9130</b>	11.41 ( <b>37.4</b> )
-3.0m -10.0ft	kg <b>Ib</b>	*22170 * <b>48880</b>	*22170 * <b>48880</b>	*22090 * <b>48700</b>	18710 <b>41250</b>	*16250 * <b>35830</b>	11640 <b>25660</b>	*12510 * <b>27580</b>	8160 <b>17990</b>	*9840 * <b>21690</b>	6100 <b>13450</b>		 	*7120 * <b>15700</b>	4710 <b>10380</b>	10.65 ( <b>34.9</b> )
-4.5m <b>-15.0ft</b>	kg <b>Ib</b>	*27780 * <b>61240</b>		*19780 * <b>43610</b>	18920 <b>41710</b>	*14820 * <b>32670</b>	11710 <b>25820</b>	*11360 * <b>25040</b>	8210 <b>18100</b>	*8500 * <b>18740</b>	6190 <b>13650</b>		 	*6890 * <b>15190</b>	5790 <b>12760</b>	9.56 ( <b>31.4</b> )
-6.0m <b>-20.0ft</b>	kg <b>Ib</b>	*21610 * <b>47640</b>	*21610 * <b>47640</b>	*15870 * <b>34990</b>	*15870 * <b>34990</b>	*11960 * <b>26370</b>	*11960 * <b>26370</b>	*8670 * <b>19110</b>	8500 <b>18740</b>				i 	*6000 * <b>13230</b>	*6000 * <b>13230</b>	7.98 <b>(26.2)</b>

• 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  3.0m (10.0ft) 5.0m (15.0ft) 7.0m (25.0ft) 9.0m (30.0ft) 11.0m (35.0ft) 13.0m (												At	max. rea	ch
Load Po		3.0m (	10.0ft)	5.0m (	15.0ft)	7.0m (	25.0ft)	9.0m (	30.0ft)	11.0m	(35.0ft)	13.0m	(45.0ft)	Capa	acity	Reach
heigh m(ft)													<b>=</b>			m (ft)
10.0m <b>35.0ft</b>	kg <b>Ib</b>		 											*4350 * <b>9590</b>	3530 <b>7780</b>	13.66 <b>(44.8)</b>
8.0m <b>25.0ft</b>	kg <b>Ib</b>		 							*4910 * <b>10820</b>	*4910 * <b>10820</b>	*2810 * <b>6190</b>	*2810 * <b>6190</b>	*4290 * <b>9460</b>	2860 <b>6310</b>	14.63 <b>(48.0)</b>
6.0m <b>20.0ft</b>	kg <b>Ib</b>		     							*5320 * <b>11730</b>	*5320 * <b>11730</b>	*4370 * <b>9630</b>	3650 <b>8050</b>	*4290 * <b>9460</b>	2450 <b>5400</b>	15.25 ( <b>50.0</b> )
4.0m <b>15.0ft</b>	kg <b>Ib</b>		 			*9040 * <b>19930</b>	*9040 * <b>19930</b>	*7050 * <b>15540</b>	*7050 * <b>15540</b>	*5880 * <b>12960</b>	4990 <b>11000</b>	*5110 * <b>11270</b>	3450 <b>7610</b>	4200 <b>9260</b>	2200 <b>4850</b>	15.57 <b>(51.1)</b>
2.0m <b>5.0ft</b>	kg <b>Ib</b>		 	*16870 * <b>37190</b>	16620 <b>36640</b>	*10900 * <b>24030</b>	9970 <b>21980</b>	*8070 * <b>17790</b>	6630 <b>14620</b>	*6460 * <b>14240</b>	4600 <b>10140</b>	*5410 * <b>11930</b>	3230 <b>7120</b>	4080 <b>8990</b>	2100 <b>4630</b>	15.60 <b>(51.2)</b>
Ground Line	kg <b>Ib</b>		 	*17270 * <b>38070</b>	15020 <b>33110</b>	*12210 * <b>26920</b>	9020 <b>19890</b>	*8880 * <b>19580</b>	6060 <b>13360</b>	*6930 * <b>15280</b>	4250 <b>9370</b>	5550 <b>12240</b>	3030 <b>6680</b>	4140 <b>9130</b>	2110 <b>4650</b>	15.35 <b>(50.4)</b>
-2.0m - <b>5.0ft</b>	kg <b>Ib</b>	*11700 * <b>25790</b>	*11700 * <b>25790</b>	*18210 * <b>40150</b>	14440 <b>31830</b>	*12720 * <b>28040</b>	8480 <b>18700</b>	*9290 * <b>20480</b>	5680 <b>12520</b>	*7160 * <b>15790</b>	4010 <b>8840</b>	5400 <b>11900</b>	2890 <b>6370</b>	4390 <b>9680</b>	2270 <b>5000</b>	14.80 ( <b>48.6</b> )
-4.0m - <b>15.0ft</b>	kg <b>Ib</b>		*15000 * <b>33070</b>	*17860 * <b>39370</b>	14390 <b>31720</b>	*12450 * <b>27450</b>	8290 <b>18280</b>	*9180 * <b>20240</b>	5500 <b>12130</b>	*7000 * <b>15430</b>	3890 <b>8580</b>	*4190 * <b>9240</b>	2870 <b>6330</b>	*4530 * <b>9990</b>	2620 <b>5780</b>	13.91 <b>(45.6)</b>
-6.0m <b>-20.0ft</b>	kg <b>Ib</b>		*18860 * <b>41580</b>	*15810 * <b>34860</b>	14660 <b>32320</b>	*11330 * <b>24980</b>	8360 <b>18430</b>	*8400 * <b>18520</b>	5530 <b>12190</b>	*6190 * <b>13650</b>	3940 <b>8690</b>			*4380 * <b>9660</b>	3290 <b>7250</b>	12.61 <b>(41.4)</b>
-8.0m <b>-25.0ft</b>	kg <b>Ib</b>		*17900 * <b>39460</b>	*12440 * <b>27430</b>	*12440 * <b>27430</b>	*9090 * <b>20040</b>	8680 <b>19140</b>	*6540 * <b>14420</b>	5780 <b>12740</b>					*3820 * <b>8420</b>	*3820 * <b>8420</b>	10.72 <b>(35.2)</b>

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.