



ROBEX 140LC-7

### 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

#### 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
  - Engine coolant & Fuel level
  - Check Engine & CPU
  - Engine oil pressure
  - Engine coolant temperature
  - Hyd. oil temperature
  - Low battery
  - Air cleaner clogging

#### Fully adjustable suspension seat with seat belt

#### Slidable joystick, pilot-operated

#### Automatic swing brake

#### Removable reservoir tank

#### Water separator & fuel prefilter, fuel line

#### Boom holding system

#### Arm holding system

#### Counterweight (2,200kg, 4850lb)

#### mono boom (4.6m, 15' 1")

#### Arm (2.5m, 8' 2")

#### Track shoes (600mm, 24")

#### Track rail guard

#### Radio & USB Player

- Remote control switch

#### Console box tilting system (LH.)

#### Three front working light

#### Electric horn

#### Batteries (2 × 12V × 80AH)

#### Battery master switch

#### Starting Aid(air grid heater), cold weather

#### Fuel warmer

### Optional Equipment

#### Air-conditioner (5000kcal/hr, 20000BTU/hr)

#### Sun visor for cabin inside

#### Fuel filler pump (35 ℓ /min, 9.5 USgpm)

#### Beacon lamp

#### Safety lock valve for boom cylinder

#### Safety lock valve for arm cylinder

#### Single acting piping kit (breaker, etc)

#### Double acting piping kit (clamshell, etc)

#### Quick coupler piping kit

#### Accumulator, work equipment lowering

#### 12 volt power supply (24V DC to 12V DC converter)

#### Electric. transducer

#### Overload warning device

#### Travel alarm

#### Various optional Boom

- Short boom (4.1m, 13' 5")
- Hyd. adjustable boom (4.9m, 16' 1")

#### Various optional Arms

- Super short arm (1.9m, 6' 3")
- Short arm (2.1m, 6'11")
- Long arm (3.0m, 9'10")

#### Various optional Buckets (SAE heaped)

- Standard bucket (0.58m³, 0.76yd³)
- Narrow bucket (0.23m³, 0.30yd³)
- Narrow bucket (0.40m³, 0.52yd³)
- Narrow bucket (0.46m³, 0.60yd³)
- Narrow bucket (0.52m³, 0.68yd³)
- Light duty bucket (0.65m³, 0.85yd³)
- Light duty bucket (0.71m³, 0.93yd³)
- Slope finishing bucket(0.45m³, 0.59yd³)
- Ditching bucket(0.55m³, 0.72yd³)

#### Quick coupler kit

#### Cabin roof-cover transparent

#### Cabin FOPS/FGO(ISO 10262)

#### Cabin lights

#### Track shoes

- Triple grousers shoe (500mm, 20")
- Triple grousers shoe (700mm, 28")
- Triple grousers shoe (800mm, 32"), R140LCM-7

#### Special cowl

- Air vent type side door

#### Lower frame under cover

#### Low noise kit

#### Tool kit

#### Operator suit

R140LCD-7 Blade : 550mm(1' 10") × 2500mm(8' 2")  
550mm(1' 10") × 2600mm(8' 6")

#### Full track rail guard

#### Emergency engine control cable

#### Adjustable air suspension seat

#### Adjustable air suspension seat with heater

#### Mechanical suspension seat with heater



\*Photo may include optional equipment.



CRAWLER EXCAVATOR Applied Tier 2 Engine

# 140LC-7 140LCD-7 140LCM-7

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.  
All imperial measurements rounded off to the nearest pound or inch.

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

We build a better future



# Built for Maximum Power, Performance, Reliability.

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



\*Photo may include optional equipment.



## Operator Comfort is Foremost. Wide Cab Exceeds Industry Standards.



### 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 7 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





## 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.



## Radio / USB Player & Remote Control Switch

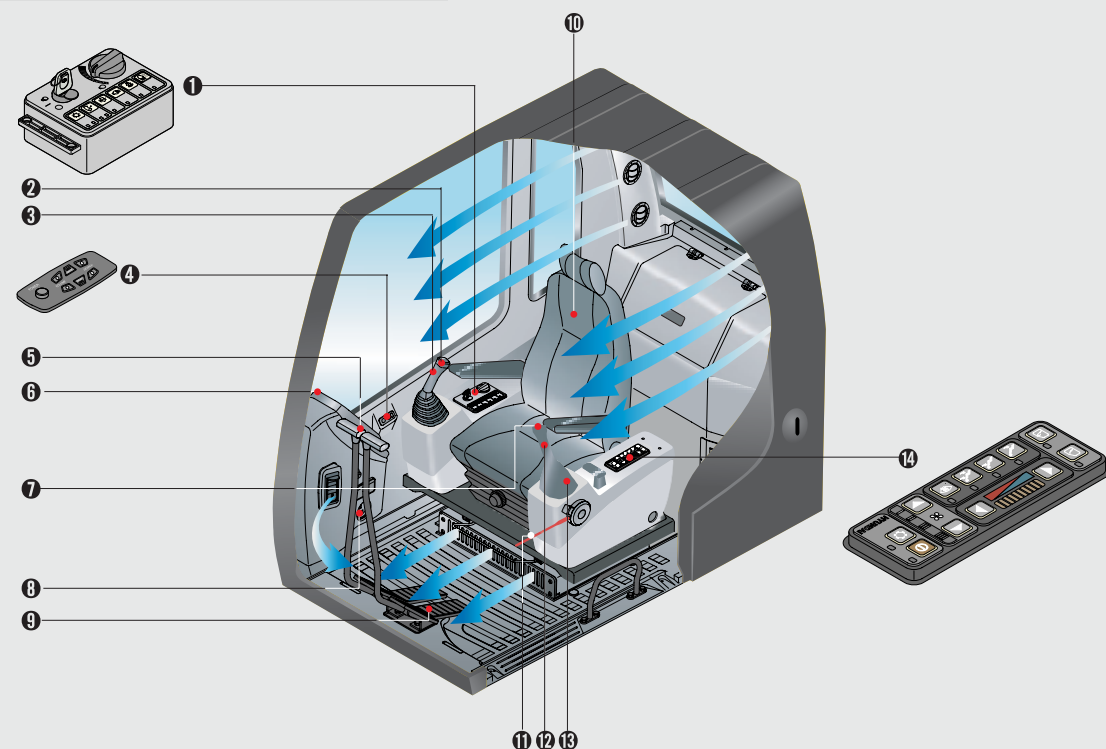


## Rise-up Wiper and Cabin Lights

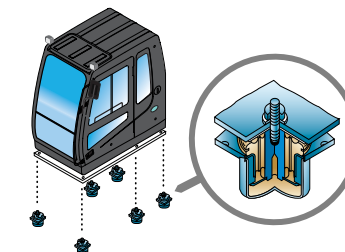
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)



## The best working conditions in a pleasant environment.



- |                             |                          |                                    |   |
|-----------------------------|--------------------------|------------------------------------|---|
| ① Centralized control panel | ⑤ Travel lever           | ⑨ Travel pedal                     | ⑬ Joystick control lever                |
| ② Horn button               | ⑥ Cluster                | ⑩ Fully adjustable suspension seat | ⑭ Air Conditioner and Heater controller |
| ③ Option button             | ⑦ One touch decel button | ⑪ Safety lever                     |   |
| ④ Remote Radio control      | ⑧ Hour meter             | ⑫ Power boost button               |   |



## 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



## Rear Emergency Exit Window

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

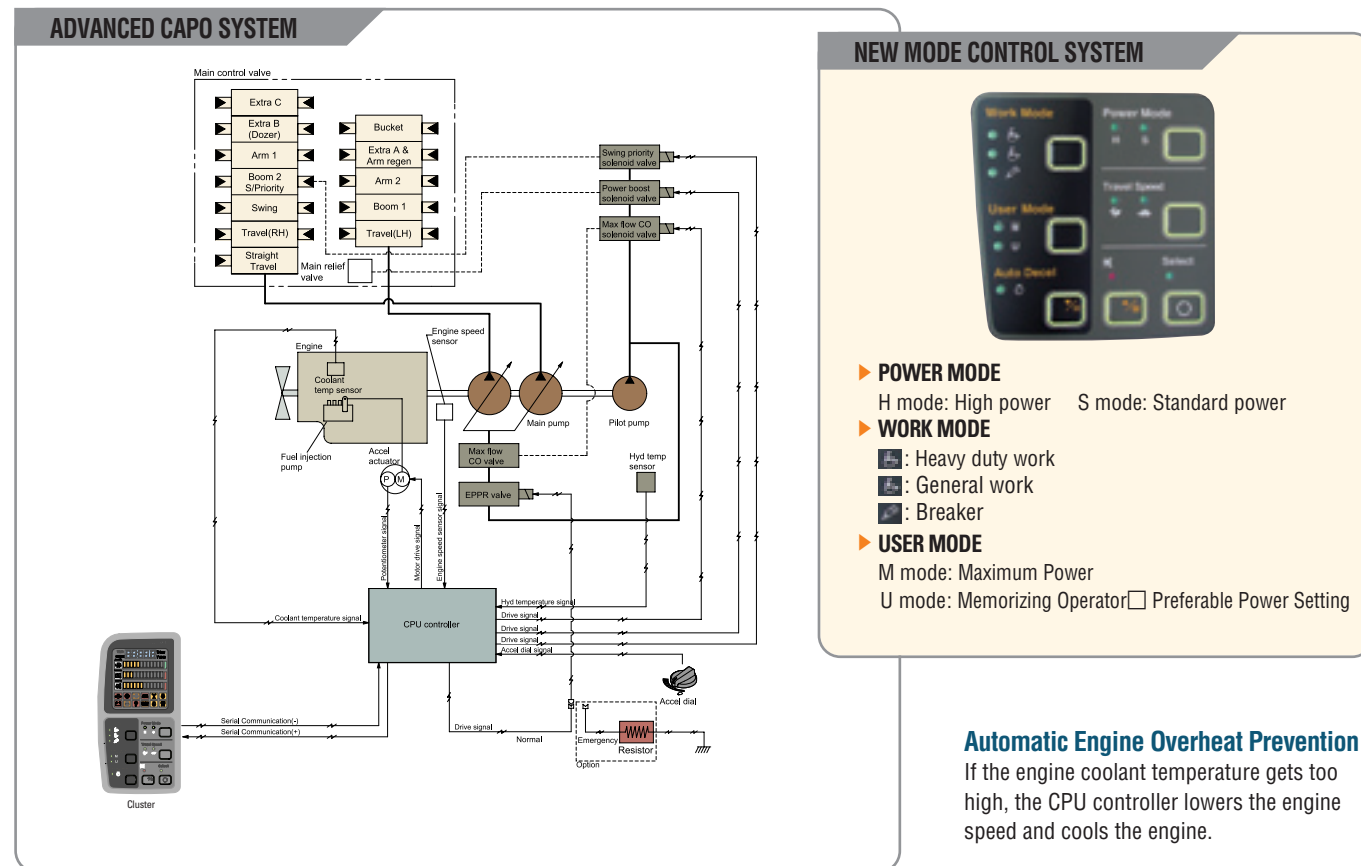


## Storage box and Cup Holder

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 System

Arm 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 the accel actuator to reduce engine speed to 1,200rpm. This decreases fuel consumption and reduced cab noise levels.

## One Touch Decel System

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

## Max. Flow Cut-off System

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

## 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

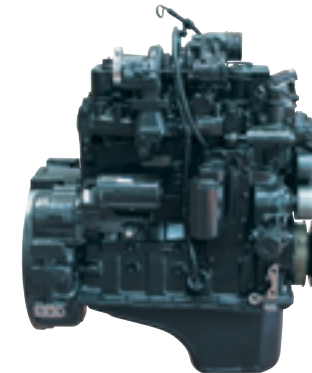
In neutral position: Pump flow is reduced to a minimum to eliminate power loss.  
In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

## Hydraulic Damper in Travel Pedal

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

## CUMMINS B3.9-C ENGINE

The four cylinders, turbo-charged, 4 cycle, charger air cooled engine is built for power, reliability, economy and low emissions.



## A More Reliable Way To Reach Your Dream.

The Cummins B3.9-C engine has been designed with 40% fewer parts than the competition. That means there's less that can go wrong when you need it most. It also means fewer parts to inventory. Repairs are simplified because no special tools are needed for maintenance. The weight of the machine is reduced without sacrificing strength.

The B3.9-C engine is capable of reaching emission standards without electronic engine controls. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

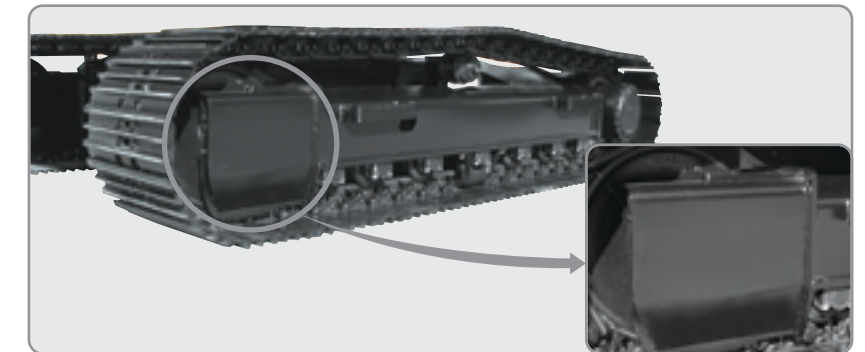
## Reinforced Bucket and Bucket Linkage

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.



## 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.



## 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.



## Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action





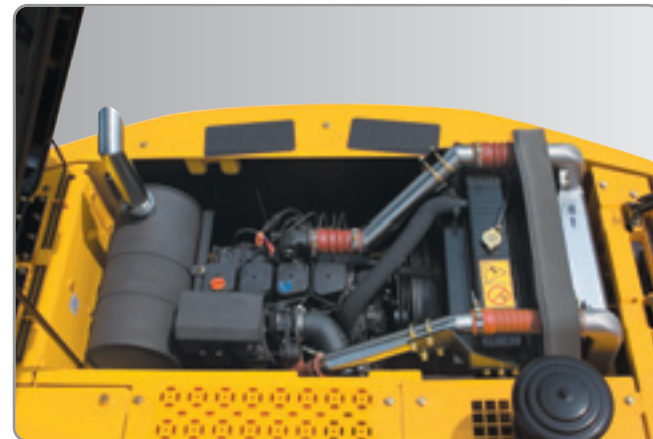
## Full open doors and master key system provide easy access for servicing.

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.

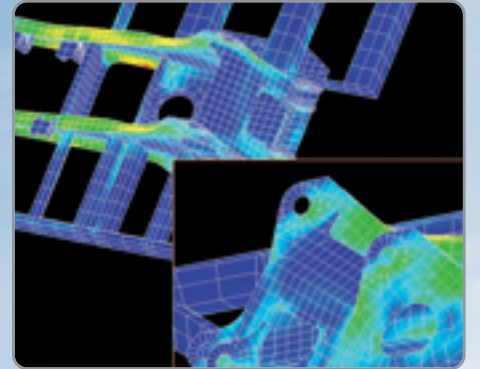


### Highly efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased. A pilot pump has been installed resulting in improved control sensitivity.



### Large tool box for extra storage



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



\*Photo may include optional equipment.





Engine

Model			Cummins B3.9-C
Type			Water cooled, 4 cycle diesel, 4-cylinders in line direct injection, turbocharged, charge air cooled low emission
Rated flywheel horse power	SAE	J1995 (gross)	113 HP (84 kW) at 2,100 rpm
		J1349 (net)	105 HP (78 kW) at 2,100 rpm
	DIN	6271/1 (gross)	115 PS (84 kW) at 2,100 rpm
		6271/1 (net)	106 PS (78 kW) at 2,100 rpm
Max. torque			45.6 kgf-m(330 lbf-ft) at 1,500 rpm
Bore x stroke			102 x 120 mm (4.02" x 4.72")
Piston			3,900 cc (238 cu in)
Batteries			2 x 12 V x 80 AH
Starting motor			24 V- 4.5kW
Alternator			24V-70 Amp



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Rated flow	2 x 130 l/min (34.3 US gpm / 28.6 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	330 kgf/cm² (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5,120 psi)
Swing circuit	240 kgf/cm² (3,410 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-105 x 1,075 mm (4.1" x 42.3")
	Arm : 1-115 x 1,188 mm (4.5" x 46.8")
	Bucket : 1-100 x 855 mm (3.9" x 33.7")
	Blade : 2-100 x 270 mm (3.9" x 10.6")
	2-PCS boom : 2-105 x 975mm(4.1" x 38.4")
	Adjust(boom) : 1-145 x 613mm(5.7" x 24.0")



Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	13,300 kgf (29,320 lbf)
Max. travel speed(high) / (low)	5.3 km/hr (3.3 mph) / 3.3 km/hr (2.1 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 circuit lubrication	Grease-bathed
Swing brake	multi wet disc
Swing speed	13.6 rpm



Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	270.0	71.3	59.4
Engine coolant	24.0	6.3	5.3
Engine oil	15.3	4.0	3.4
Swing device-gear oil	2.5	0.66	0.55
Final drive(each)-gear oil	3.0	0.79	0.66
Hydraulic system(including tank)	210.0	55.5	46.2
Hydraulic tank	124.0	32.8	27.3



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, and track chain with double or triple grouser shoes.

Description	R140LC-7/R140LCD-7	R140LCM-7
Center frame	X - leg type	
Track frame	Pentagonal box type	
No. of shoes on each side	46	47
No. of carrier roller on each side	1	2
No. of track roller on each side	7	7
No. of rail guides on each side	1	1



Operating weight (approximate)

Operating weight, including 4.6m (15' 1") One-piece boom, 2.5m (8' 2") arm, SAE heaped 0.58 m³ (0.76 yd³) backhoe bucket, lubricant, coolant, and full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure	3,620kg (7,980 lb)
Counterweight	2,200kg (4,850 lb)
4.6m (15' 1")boom(with arm cylinder)	1,030kg (2,270 lb)








Operating weight

Shoes(Triple grouser) mm (in)		Operating weight kg (lb)	Ground pressure kgf/cm² (psi)
500 (20")	R140LC-7	13,790 (30,400)	0.43 (6.11)
	R140LCD-7	14,590 (32,160)	0.45 (6.40)
※ 600 (24")	R140LC-7	13,980 (30,820)	0.36 (5.12)
	R140LCD-7	14,800 (32,630)	0.38 (5.40)
700 (28")	R140LC-7	14,210 (31,330)	0.32 (4.55)
800 (31")	R140LCM-7	16,880 (37,210)	0.32 (4.55)

※ Standard equipment



Buckets

						
0.23 (0.30) SAE heaped m³ (yd³)	0.40 (0.52) 0.46 (0.60)	0.52 (0.68) ※ 0.58 (0.76)	0.65 (0.85)	0.71 (0.93)	◎ 0.45 (0.59)	★ 0.55(0.72)





Capacity m³ (yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft-in)									
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	※ 4.6 (15' 1")				4.1 (13' 5")		4.9(16' 1")Adjustable boom		
					Arm	1.9 (6' 3")	2.1 (6' 11")	2.5 (8' 2")	3.0 (9' 10")	1.9 (6' 3")	2.1 (6' 11")	1.9 (6' 3")	2.1 (6' 11")	
0.23 (0.30)	0.20(0.26)	520(20.5)	620(24.4)	335(740)		●	●	●	■	●	●	●	●	●
0.40 (0.52)	0.35(0.46)	760(29.9)	860(33.9)	410(900)		●	●	●	■	●	●	●	●	●
0.46 (0.60)	0.40(0.52)	850(33.5)	950(37.4)	435(960)		●	●	●	▲	●	●	●	●	■
0.52 (0.68)	0.45(0.59)	935(36.8)	1,035(40.8)	460(1,010)		●	●	●	–	●	●	■	■	■
※ 0.58 (0.76)	0.50(0.65)	1,030(40.6)	1,130(44.5)	480(1,060)		●	●	■	–	●	●	■	▲	▲
0.65 (0.85)	0.55(0.72)	1,110(43.7)	1,210(47.6)	500(1,100)		■	■	▲	–	●	■	▲	▲	–
0.71 (0.93)	0.60(0.78)	1,205(47.4)	-	540(1,190)		▲	▲	–	–	■	▲	▲	–	–
◎ 0.45 (0.59)	0.40(0.52)	1,520(59.8)	-	410(900)		●	●	■	–	●	●	■	■	▲
★ 0.55 (0.72)	0.45(0.59)	1,800(70.9)	-	585(1,290)		■	■	▲	–	●	●	■	▲	▲

- ※ : Standard backhoe bucket  
◎ : Ditching bucket  
★ : Slope finishing bucket
- : Applicable for materials with density of 2,000 kg / m³ (3,370 lb/ yd³) or less  
■ : Applicable for materials with density of 1,600 kg / m³ (2,700 lb/ yd³) or less  
▲ : Applicable for materials with density of 1,100 kg / m³ (1,850 lb/ yd³) or less



Arms

Boom and arms are of all-welded, low-stress, full-box section design. 4.6m(15' 1"), 4.1m(13' 5") mono boom and 4.9m(16' 1") adjustable boom and 1.90m(6' 3"), 2.10m(6' 11"), 2.50m(8' 2"),3.00m(9' 10") arms are available. Buckets are all-welded, high-strength steel implements.

			
1.9m (6' 3")	2.1m (6' 11")	※ 2.5m (8' 2")	3.00m (9' 10")

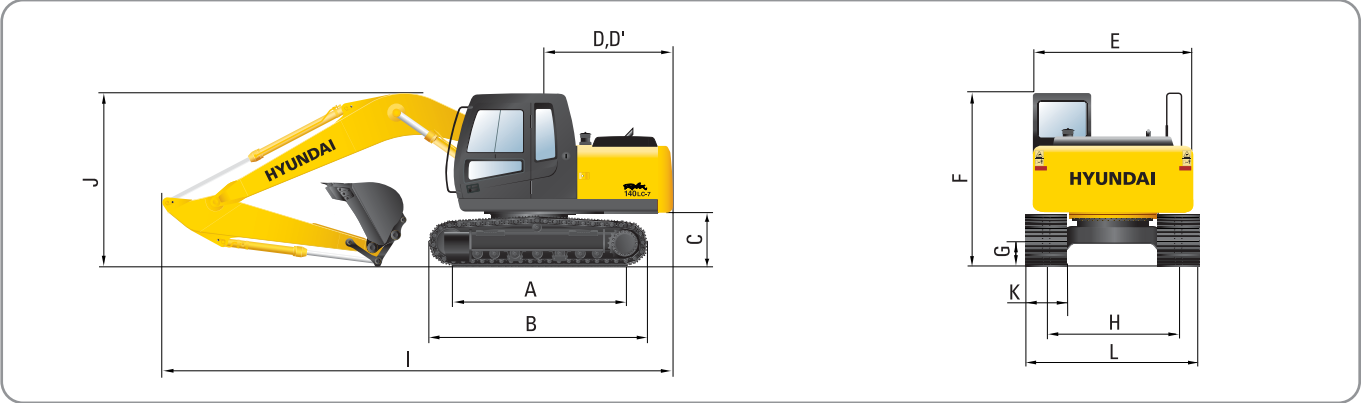


Digging force

Arm	Length	m(ft.in)	1.90 (6' 3")	2.10 (6' 11")	※ 2.50 (8' 2")	3.00 (9' 10")	Remark
	Weight	kg(lb)	560 (1230)	580 (1280)	610 (1340)	670 (1480)	
Bucket digging force	SAE	kN kgf lbf	83.4 [91] 8,500 [9,270] 18,740 [20,440]	83.4 [91] 8,500 [9,270] 18,740 [20,440]	83.4 [91] 8,500 [9,270] 18,740 [20,440]	83.4 [91] 8,500 [9,270] 18,740 [20,440]	[     ]: Power Boost
	ISO	kN kgf lbf	96.1 [104.8] 9,800 [10,690] 21,610 [23,570]	96.1 [104.8] 9,800 [10,690] 21,610 [23,570]	96.1 [104.8] 9,800 [10,690] 21,610 [23,570]	96.1 [104.8] 9,800 [10,690] 21,610 [23,570]	
Arm crowd force	SAE	kN kgf lbf	74.5 [81.3] 7,600 [8,290] 16,760 [18,280]	71.6 [78.1] 7,300 [7,960] 16,090 [17,550]	61.8 [67.4] 6,300 [6,870] 13,890 [15,150]	53.9 [59.0] 5,500 [6,020] 12,130 [13,270]	
	ISO	kN kgf lbf	78.5 [85.6] 8,000 [8,730] 17,640 [19,240]	75.5 [82.4] 7,700 [8,400] 16,980 [18,520]	64.7 [70.6] 6,600[7,200] 14,550 [15,870]	56.9 [62.1] 5,800 [6,330] 12,790 [13,950]	

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

Dimensions R140LC-7

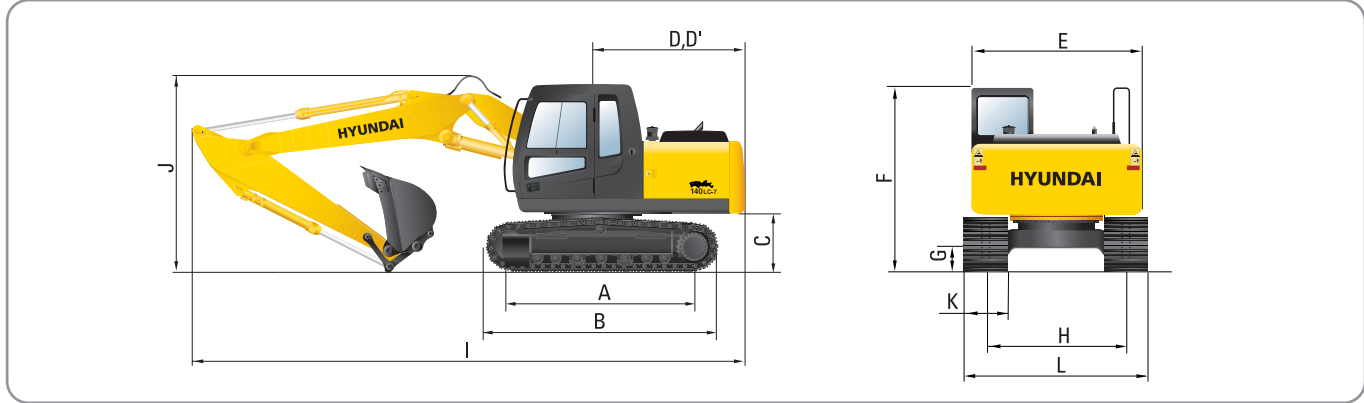


mm (ft · in)		
A	Tumbler distance	3,000 (9' 10")
B	Overall length of crawler	3,750 (12' 4")
C	Ground clearance of counterweight	935 (3' 1")
D	Tail swing radius	2,310 (7' 7")
D'	Rear-end length	2,280 (7' 6")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,820 (9' 3")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")

		mm (ft · in)					
Boom length		※ 4,600 (15' 1")			※ 4,100 (13' 5")		
Arm length		1,900 (6' 3")	2,100 (6' 11")	※ 2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
I Overall length		7,810 (25' 7")	7,830 (25' 8")	7,800 (25' 7")	7,740 (25' 5")	7,310 (24' 0")	7,330 (24' 6")
J Overall height of boom		2,640 (8' 8")	2,750 (9' 0")	2,760 (9' 1")	3,070 (10' 1")	2,680 (8' 10")	2,820 (9' 3")
K Track shoe width		500 (20")	※ 600 (24")		700 (28")		
L Overall width		2,500 (8' 2")	2,600 (8' 6")		2,700 (8' 10")		

※ Standard equipment

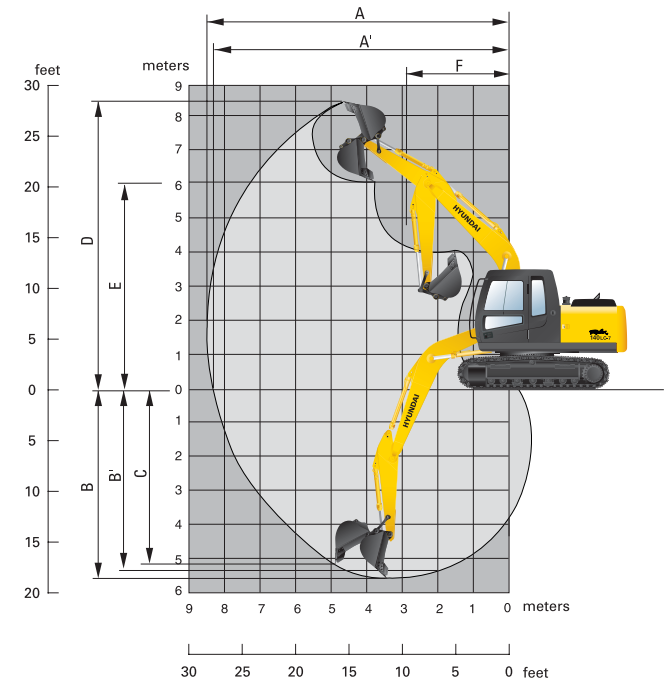
Dimensions R140LC-7 Adjustable boom



mm (ft · in)		
A	Tumbler distance	3,000 (9' 10")
B	Overall length of crawler	3,750 (12' 4")
C	Ground clearance of counterweight	935 (3' 1")
D	Tail swing radius	2,310 (7' 7")
D'	Rear-end length	2,280 (7' 6")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,820 (9' 3")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")

		mm (ft · in)		
Boom length		4,900 (16' 1"), Adjustable boom		
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
I Overall length		8,140 (26' 8")	8,140 (26' 8")	8,120 (26' 8")
J Overall height of boom		2,820 (9' 3")	2,920 (9' 7")	2,940 (9' 8")
K Track shoe width		500 (19.7")	600 (23.6")	700 (27.6")
L Overall width		2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

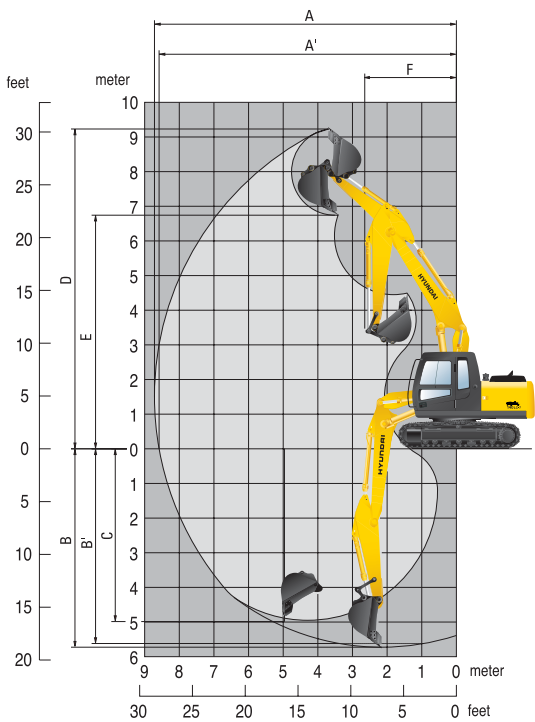
Working ranges



		mm (ft · in)					
Boom length		※ 4,600 (15' 1")			※ 4,100 (13' 5")		
Arm length		1,900 (6' 3")	2,100 (6' 11")	※ 2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
A Max. digging reach		7,750 (25' 5")	7,920 (26' 0")	8,340 (27' 4")	8,800 (28' 10")	7,250 (23' 9")	7,420 (24' 4")
A' Max. digging reach on ground		7,600 (24' 11")	7,780 (25' 6")	8,200 (26' 11")	8,670 (28' 5")	7,100 (23' 4")	7,270 (23' 10")
B Max. digging depth		5,000 (16' 5")	5,200 (17' 1")	5,600 (18' 4")	6,100 (20' 0")	4,570 (15' 0")	4,770 (15' 8")
B' Max. digging depth(8' level)		4,730 (15' 6")	4,950 (16' 3")	5,390 (17' 8")	5,910 (19' 5")	4,310 (14' 2")	4,520 (14' 10")
C Max. vertical wall digging depth		4,460 (14' 8")	4,590 (15' 1")	5,120 (16' 10")	5,660 (18' 7")	4,090 (13' 5")	4,220 (13' 10")
D Max. digging height		8,060 (26' 5")	8,140 (26' 8")	8,520 (27' 11")	8,730 (28' 8")	7,660 (25' 2")	7,730 (25' 4")
E Max. dumping height		5,630 (18' 6")	5,710 (18' 9")	6,080 (19' 11")	6,280 (20' 7")	5,220 (17' 2")	5,290 (17' 4")
F Min. swing radius		2,620 (8' 7")	2,680 (8' 10")	2,620 (8' 7")	2,660 (8' 9")	2,350 (7' 9")	2,470 (8' 1")

※ Standard Equipment

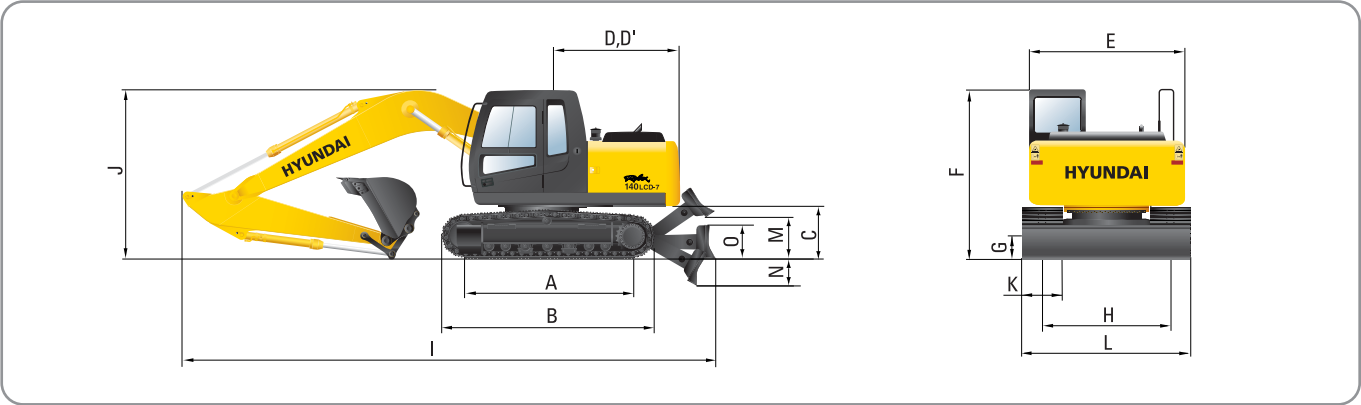
Working ranges



		mm (ft · in)		
Boom length		4,900 (16' 1"), Adjustable boom		
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
A Max. digging reach		8,140 (26' 8")	8,310 (27' 3")	8,720 (28' 7")
A' Max. digging reach on ground		8,000 (26' 3")	8,180 (26' 10")	8,590 (28' 2")
B Max. digging depth		5,140 (16' 10")	5,340 (17' 6")	5,740 (18' 10")
B' Max. digging depth(8' level)		5,020 (16' 6")	5,220 (17' 2")	5,630 (18' 6")
C Max. vertical wall digging depth		4,380 (14' 4")	4,560 (15' 0")	5,000 (16' 5")
D Max. digging height		8,770 (28' 9")	8,870 (29' 1")	9,230 (30' 3")
E Max. dumping height		6,280 (20' 7")	6,390 (21' 0")	6,740 (22' 1")
F Min. swing radius		2,660 (8' 9")	2,800 (9' 2")	2,670 (8' 9")



Dimensions R140LCD-7

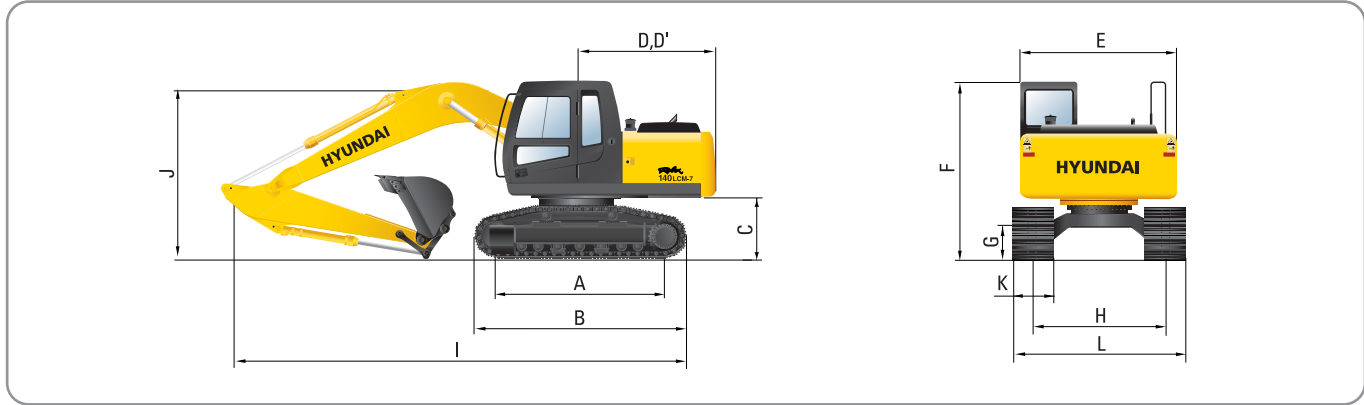


mm (ft · in)		
A	Tumbler distance	3,000 (9' 10")
B	Overall length of crawler	3,750 (12' 4")
C	Ground clearance of counterweight	935 (3' 1")
D	Tail swing radius	2,310 (7' 7")
D'	Rear-end length	2,280 (7' 6")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,820 (9' 3")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")
M	Ground clearance of blade up	625 (2' 1")
N	Depth of blade down	515 (1' 8")
O	Height of blade	550 (1' 10")
	Width of blade	2,500 (8' 2") 2,600 (8' 6")

mm (ft · in)							
	Boom length	※ 4,600 (15' 1")				※ 4,100 (13' 5")	
		1,900 (6' 3")	2,100 (6' 11")	※ 2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
I	Overall length	8,220 (27' 0")	8,240 (27' 0")	8,210 (26' 11")	8,150 (26' 9")	7,720 (25' 4")	7,740 (25' 5")
J	Overall height of boom	2,640 (8' 8")	2,750 (9' 0")	2,760 (9' 1")	3,070 (10' 1")	2,680 (8' 10")	2,820 (9' 3")
K	Track shoe width	500 (20")	※ 600 (24")		700 (28")		
L	Overall width	2,500 (8' 2")	2,600 (8' 6")		2,700 (8' 10")		

※ Standard equipment

Dimensions R140LCM-7

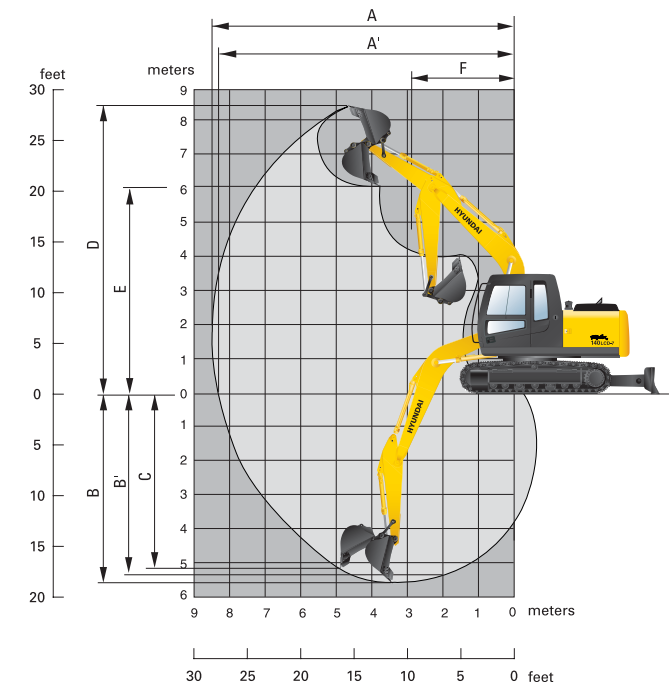


mm (ft · in)		
A	Tumbler distance	3,030 (9' 11")
B	Overall length of crawler	3,860 (12' 4")
C	Ground clearance of counterweight	1,195 (3' 11")
D	Tail swing radius	2,310 (7' 7")
D'	Rear-end length	2,280 (7' 6")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	3,080 (10' 1")
G	Min. ground clearance	600 (2' 0")
H	Track gauge	2,040 (6' 8")

mm (ft · in)				
	Boom length	※ 4,600 (15' 1")		
		1,900 (6' 3")	2,100 (6' 11")	※ 2,500 (8' 2")
I	Overall length	7,760 (25' 6")	7,810 (25' 7")	7,770 (25' 6")
				7,810 (25' 7")
J	Overall height of boom	2,740 (8' 12")	2,850 (9' 4")	2,810 (9' 3")
				3,080 (10' 1")
K	Track shoe width	※ 800 (31")		
L	Overall width	2,840 (9' 4")		

※ Standard Equipment

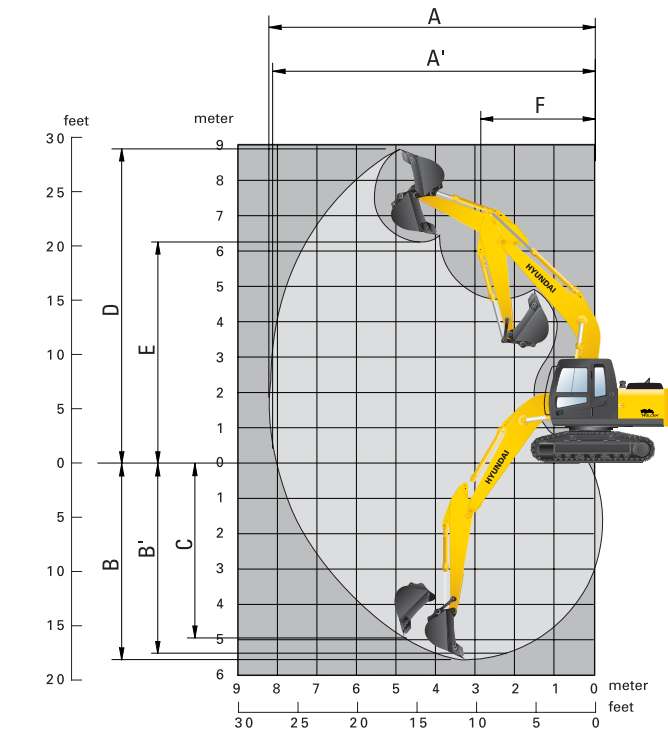
Working ranges



mm (ft · in)							
	Boom length	※ 4,600 (15' 1")				※ 4,100 (13' 5")	
		1,900 (6' 3")	2,100 (6' 11")	※ 2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
A	Max. digging reach	7,750 (25' 5")	7,920 (26' 0")	8,340 (27' 4")	8,800 (28' 10")	7,250 (23' 9")	7,420 (24' 4")
A'	Max. digging reach on ground	7,600 (24' 11")	7,780 (25' 6")	8,200 (26' 11")	8,670 (28' 5")	7,100 (23' 4")	7,270 (23' 10")
B	Max. digging depth	5,000 (16' 5")	5,200 (17' 1")	5,600 (18' 4")	6,100 (20' 0")	4,570 (15' 0")	4,770 (15' 8")
B'	Max. digging depth(8' level)	4,730 (15' 6")	4,950 (16' 3")	5,390 (17' 8")	5,910 (19' 5")	4,310 (14' 2")	4,520 (14' 10")
C	Max. vertical wall digging depth	4,460 (14' 8")	4,590 (15' 1")	5,120 (16' 10")	5,660 (18' 7")	4,090 (13' 5")	4,220 (13' 10")
D	Max. digging height	8,060 (26' 5")	8,140 (26' 8")	8,520 (27' 11")	8,730 (28' 8")	7,660 (25' 2")	7,730 (25' 4")
E	Max. dumping height	5,630 (18' 6")	5,710 (18' 9")	6,080 (19' 11")	6,280 (20' 7")	5,220 (17' 2")	5,290 (17' 4")
F	Min. swing radius	2,620 (8' 7")	2,680 (8' 10")	2,620 (8' 7")	2,660 (8' 9")	2,350 (7' 9")	2,470 (8' 1")

※ Standard Equipment

Working ranges



mm (ft · in)				
	Boom length	※ 4,600 (15' 1")		
		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
A	Max. digging reach	7,750 (25' 5")	7,920 (26' 0")	8,340 (27' 4")
A'	Max. digging reach on ground	7,540 (24' 9")	7,720 (25' 4")	8,130 (26' 8")
B	Max. digging depth	4,700 (15' 5")	4,900 (16' 1")	5,300 (17' 5")
B'	Max. digging depth(8' level)	4,440 (14' 7")	4,650 (15' 3")	5,100 (16' 9")
C	Max. vertical wall digging depth	4,180 (13' 9")	4,310 (14' 2")	4,840 (15' 11")
D	Max. digging height	8,340 (27' 4")	8,410 (27' 7")	8,740 (28' 8")
E	Max. dumping height	5,900 (19' 4")	5,980 (19' 7")	6,300 (20' 8")
F	Min. swing radius	2,620 (8' 7")	2,680 (8' 10")	2,620 (8' 7")

※ Standard Equipment



Lifting Capacities

Lifting capacities

R140LC-7

Rating over-front

Rating over-side or 360 degree

• Boom : 4.6 m (15' 1") • Arm : 1.9 m (6' 3") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*3160	*3160			*2910	2370	5.95
20 ft	lb					*6970	*6970			*6420	5220	(19.5)
4.5 m	kg					*3330	*3330			2840	1770	6.90
15 ft	lb					*7340	*7340			6260	3900	(22.6)
3.0m	kg			*5940	*5940	*4140	3530	3500	2180	2490	1530	7.37
10 ft	lb			*13100	*13110	*9130	7780	7720	4810	5490	3370	(24.2)
1.5 m	kg			*8030	6070	*5130	3280	3390	2080	2400	1460	7.45
5 ft	lb			*17700	13380	*11310	7230	7470	4590	5290	3220	(24.4)
Ground Line	kg			*8200	5840	5230	3120	3310	2010	2530	1530	7.17
	lb			*18080	12870	11530	6880	7300	4430	5580	3370	(23.5)
-1.5 m	kg	*6840	*6840	*8910	5850	5170	3070			2980	1820	6.48
-5 ft	lb	*15080	*15080	*19640	12900	11400	6770			6570	4010	(21.3)
-3.0 m	kg	*11210	*11210	*7580	6000	*5000	3140			3380	2700	5.15
-10 ft	lb	*24710	*24710	*16710	13230	*11020	6920			7450	5950	(16.9)

• Boom : 4.6 m (15' 1") • Arm : 2.5 m (8' 2") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2580	1950	6.69
20 ft	lb									*5690	4300	(21.9)
4.5 m	kg							*2710	2290	2460	1520	7.53
15 ft	lb							*5970	5050	5420	3350	(24.7)
3.0m	kg			*4670	*4670	*3570	*3570	*3140	2210	2190	1330	7.95
10 ft	lb			*10300	*10300	*7870	*7870	*6920	4870	4830	2930	(26.1)
1.5 m	kg			*7530	6300	*4670	3330	3410	2100	2110	1260	8.03
5 ft	lb			*16600	13890	*10300	7340	7520	4630	4650	2780	(26.3)
Ground Line	kg			*8620	5870	5240	3120	3300	1990	2200	1310	7.77
	lb			*19000	12940	11550	6880	7280	4390	4850	2890	(25.5)
-1.5 m	kg	*5750	*5750	*9180	5780	5130	3030	3240	1950	2520	1520	7.15
-5 ft	lb	*12680	*12680	*20240	12740	11310	6680	7140	4300	5560	3350	(23.5)
-3.0 m	kg	*8800	*8800	*8320	5860	5150	3050			*3250	2060	6.01
-10 ft	lb	*19400	*19400	*18340	12920	11350	6720			*7170	4540	(19.7)
-4.5 m	kg			*5950	*5950							
-15 ft	lb			*13120	*13120							

• Boom : 4.6 m (15' 1") • Arm : 3.0 m (9' 10") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius										At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		7.5 m(25 ft)		Capacity		Reach
														m (ft)
6.0 m	kg							*1810	*1810			*2320	1680	7.25
20 ft	lb							*3990	*3990			*5110	3700	(23.8)
4.5 m	kg							*2420	2330			2200	1340	8.02
15 ft	lb							*5340	5140			4850	2950	(26.3)
3.0m	kg					*3050	*3050	*2790	2240	*1580	1450	1970	1180	8.41
10 ft	lb					*6720	*6720	*6150	4940	*3480	3200	4340	2600	(27.6)
1.5 m	kg			*6540	6520	*4210	3390	*3340	2110	*2110	1400	1910	1120	8.49
5 ft	lb			*14420	14370	*9280	7470	*7360	4650	*4650	3090	4210	2470	(27.9)
Ground Line	kg			*8610	5940	*5230	3140	3290	1990	*2000	1350	1970	1160	8.25
	lb			*18980	13100	*11530	6920	7250	4390	*4410	2980	4340	2560	(27.1)
-1.5 m	kg	*5250	*5250	*9200	5750	5110	300	3210	1910			2220	1310	7.67
-5 ft	lb	*11570	*11570	*20280	12680	11270	6610	7080	4210			4890	2890	(25.2)
-3.0 m	kg	*7680	*7680	*8740	5760	5090	2980	3210	1920			2830	1710	6.64
-10 ft	lb	*16930	*16930	*19270	12700	11220	6570	7080	4230			6240	3770	(21.8)
-4.5 m	kg	*11270	*11270	*7040	5950	*4460	3100							
-15 ft	lb	*24850	*24850	*15520	13120	*9830	6830							

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

R140LC-7 Adjustable boom

Rating over-front

Rating over-side or 360 degree

• Boom : 4.9 m (16' 1") Adjustable • Arm : 1.9 m (6' 3") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius						At max. reach		
		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
										m (ft)
6.0 m	kg									
20 ft	lb									
4.5 m	kg			*2730	*2730			*2620	2030	6.45
15 ft	lb			*6020	*6020			*5780	4480	(21.2)
3.0m	kg			*3070	*3070	*2920	2230	2550	1550	7.32
10 ft	lb			*6770	*6770	*6440	4920	5620	3420	(24.0)
1.5 m	kg	*6070	*6070	*3930	3450	*3230	2140	2260	1350	7.76
5 ft	lb	*13380	*13380	*8660	7610	*7120	4720	4980	2980	(25.5)
Ground Line	kg			*4920	3170	3350	2020	2180	1290	7.84
	lb			*10850	6990	7390	4450	4810	2840	(25.7)
-1.5 m	kg	*5350	*5350	5130	3000	3250	1930	2280	1350	7.57
-5 ft	lb	*11790	*11790	11310	6610	7170	4250	5030	2980	(24.8)
-3.0 m	kg	*8700	*5680	5080	2960	3230	1910	2650	1580	6.93
-10 ft	lb	*19180	12520	11200	6530	7120	4210	5840	3480	(22.7)
	kg									
	lb									

• Boom : 4.9 m (16' 1") Adjustable • Arm : 2.1 m (6' 11") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius						At max. reach		
		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
										m (ft)
6.0 m	kg									
20 ft	lb									
4.5 m	kg			*2530	*2530			*2520	1920	6.67
15 ft	lb			*5580	*5580			*5560	4230	(21.9)
3.0m	kg			*2890	*2890	*2790	2250	2440	1490	7.51
10 ft	lb			*6370	*6370	*6150	4960	5380	3280	(24.6)
1.5 m	kg	*5620	*5620	*3750	3480	*3120	2150	2170	1290	7.93
5 ft	lb	*12390	*12390	*8270	7670	*6880	4740	4780	2840	(26.0)
Ground Line	kg			*4770	3180	3350	2020	2100	1230	8.01
	lb			*10520	7010	7390	4450	4630	2710	(26.3)
-1.5 m	kg	*5630	5610	5120	2990	3240	1930	2190	1280	7.76
-5 ft	lb	*12410	12370	11290	6590	7140	4250	4830	2820	(25.5)
-3.0 m	kg	*8800	5630	5050	2930	3210	1890	2510	1490	7.13
-10 ft	lb	*19400	12410	11130	6460	7080	4170	5530	3280	(23.4)
	kg									
	lb									

• Boom : 4.9 m (16' 1") Adjustable • Arm : 2.5 m (8' 2") • Bucket : 0.58 m³ (0.76 yd³) SAE heaped • Shoe : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius										At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		7.5 m(25 ft)		Capacity		Reach
														m (ft)
6.0 m	kg													
20 ft	lb													
4.5 m	kg					*2520	*2520	*2510	2290			2210	1330	7.95
15 ft	lb					*5560	*5560	*5530	5050			4870	2930	(26.1)
3.0m	kg			*4770	*4770	*3400	*3400	*2880	2180	*1720	1410	1990	1170	8.35
10 ft	lb			*10520	*10520	*7500	*7500	*6350	4810	*3790	3110	4390	2580	(27.4)
1.5 m	kg			*6780	6010	*4480	3230	3370	2040	2310	1360	1920	1110	8.42
5 ft	lb			*14950	13250	*9880	7120	7430	4500	5090	3000	4230	2450	(27.6)





Lifting capacities **R140LCD-7**



Rating over-front



Rating over-side or 360 degree













• **Boom** : 4.6 m (15' 1") • **Arm** : 1.9 m (6' 3") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*3160	*3160			*2910	2510	5.95
20 ft	lb					*6970	*6970			*6420	5530	(19.5)
4.5 m	kg					*3330	*3330			*3000	1890	6.90
15 ft	lb					*7340	*7340			*6610	4170	(22.6)
3.0m	kg			*5940	*5940	*4140	3720	*3520	2310	2720	1630	7.37
10 ft	lb			*13100	*13100	*9130	8200	*7760	5090	6000	3590	(24.2)
1.5 m	kg			*8030	6410	*5130	3470	3690	2220	2620	1560	7.45
5 ft	lb			*17700	14130	*11310	7650	8140	4890	5780	3440	(24.4)
Ground	kg			*8200	6180	5670	3310	3610	2140	2760	1640	7.17
Line	lb			*18080	13620	12500	7300	7960	4720	6080	3620	(23.5)
-1.5 m	kg	*6840	*6840	*8910	6190	5620	3260			3250	1940	6.48
-5 ft	lb	*15080	*15080	*19640	13650	12390	7190			7170	4280	(21.3)
-3.0 m	kg	*11210	*11210	*7580	6340	*5000	3330			*3380	2860	5.15
-10 ft	lb	*24710	*24710	*16710	13980	*11020	7340			*7450	6310	(16.9)

• **Boom** : 4.6 m (15' 1") • **Arm** : 2.5 m (9' 10") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2580	2060	6.69
20 ft	lb									*5690	4540	(21.9)
4.5 m	kg							*2710	2430	*2670	1620	7.53
15 ft	lb							*5970	5360	*5890	3570	(24.1)
3.0m	kg			*4670	*4670	*3570	*3570	*3140	2340	2400	1420	7.95
10 ft	lb			*10300	*10300	*7870	*7870	*3140	5160	5290	3130	(26.1)
1.5 m	kg			*7530	6640	*4670	3520	*3620	2230	2320	1360	8.03
5 ft	lb			*16600	14640	*10300	7760	*7980	4920	5110	3000	(26.3)
Ground	kg			*8620	6210	*5520	3310	3590	2130	2420	1410	7.77
Line	lb			*19000	13690	*12170	7300	7910	4700	5340	3110	(25.5)
-1.5 m	kg	*5750	*5750	*9180	6120	5580	3220	3540	2080	2760	1630	7.15
-5 ft	lb	*12680	*12680	*20240	13490	12300	7100	7800	4590	6080	3590	(23.5)
-3.0 m	kg	*8800	*8800	*8320	6200	*5450	3240			*3250	2190	6.01
-10 ft	lb	*19400	*19400	*18340	13670	*12020	7140			*7170	4830	(19.7)
-4.5 m	kg			*5950	5950							
-15 ft	lb			*13120	*13120							

• **Boom** : 4.6 m (15' 1") • **Arm** : 3.0 m (9' 10") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 600 mm(24") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius										At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		7.5 m(25 ft)		Capacity		Reach
														m (ft)
6.0 m	kg							*1810	*1810			*2320	1780	7.25
20 ft	lb							*3990	*3990			*5110	3920	(23.8)
4.5 m	kg							*2420	*2420			2400	1430	8.02
15 ft	lb							*5340	*5340			5290	3150	(26.3)
3.0m	kg					*3050	*3050	*2790	2370	*1580	1550	2170	1260	8.41
10 ft	lb					*6720	*6720	*6150	5220	*3480	3420	4780	2780	(27.6)
1.5 m	kg			*6540	*6540	*4210	3580	*3340	2240	*2110	1500	2100	1210	8.49
5 ft	lb			*14420	*14420	*9280	7890	*7360	4940	*4650	3310	4630	2670	(27.9)
Ground	kg			*8610	6280	*5230	3330	3590	2120	*2000	1450	2170	1250	8.25
Line	lb			*18980	13850	*11530	7340	7910	4670	*4410	3200	4780	2760	(27.1)
-1.5 m	kg	*5250	*5250	*9200	6090	5560	3200	3510	2050			2440	1410	7.67
-5 ft	lb	*11570	*11570	*20280	13430	12260	7050	7740	4520			5380	3110	(25.2)
-3.0 m	kg	*7680	*7680	*8740	6100	5530	3180	3510	2050			3090	1830	6.64
-10 ft	lb	*16930	*16930	*19270	13450	12190	7010	7740	4520			6810	4030	(21.8)
-4.5 m	kg	*11270	*11270	*7040	6290	*4460	3290							
-15 ft	lb	*24850	*24850	*15520	13870	*9830	7250							

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 **R140LCM-7**



Rating over-front



Rating over-side or 360 degree











• **Boom** : 4.6 m (15' 1") • **Arm** : 1.9 m (6' 3") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 800 mm(31") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2630	2230	6.87
20 ft	lb									*5800	4920	(22.5)
4.5 m	kg					*2880	*2880	*2890	2740	*2730	1810	7.63
15 ft	lb					*6350	*6350	*6370	6040	*6020	3990	(25.0)
3.0m	kg			*5200	*5200	*3800	*3800	*3250	2650	2580	1630	7.99
10 ft	lb			*11460	*11460	*8380	*8380	*7170	5840	5690	3590	(26.2)
1.5 m	kg			*7960	7390	*4880	3940	*3740	2530	2530	1590	8.01
5 ft	lb			*17550	16290	*10760	8690	*8250	5580	5580	3510	(26.3)
Ground	kg	*3550	*3550	*8720	7030	*5660	3750	3890	2440	2670	1670	7.70
Line	lb	*7830	*7830	*19220	15500	*12480	8270	8580	5380	5890	3680	(25.3)
-1.5 m	kg	*6180	*6180	*9150	6980	*5870	3680	3850	2400	3100	1950	7.00
-5 ft	lb	*13620	*13620	*20170	15390	*12940	8110	8490	5290	6830	4300	(23.0)
-3.0 m	kg	*9400	*9400	*8100	7090	*5320	3720			*3260	2700	5.74
-10 ft	lb	*20720	*20720	*17860	15630	*11730	8200			*7190	5950	(18.8)

• **Boom** : 4.6 m (15' 1") • **Arm** : 2.5 m (8' 2") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 800 mm(31") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2600	2200	6.87
20 ft	lb									*5730	4850	(22.5)
4.5 m	kg					*2840	*2840	*2850	2710	*2690	1790	7.63
15 ft	lb					*6260	*6260	*6280	5970	*5930	3950	(25.0)
3.0m	kg			*5160	*5160	*3750	*3750	*3210	2610	2560	1600	7.99
10 ft	lb			*11380	*11380	*8270	*8270	*7080	5750	5640	3530	(26.2)
1.5 m	kg			*7920	7350	*4840	3910	*3700	2500	2510	1560	8.01
5 ft	lb			*17460	16200	*10670	8620	*8160	5510	5530	3440	(26.3)
Ground	kg	*3580	*3580	*8750	6990	*5620	3710	3850	2400	2650	1640	7.70
Line	lb	*7890	*7890	*19290	15410	*12390	8180	8490	5290	5840	3620	(25.3)
-1.5 m	kg	*6220	*6220	*9110	6940	*5830	3640	3810	2370	3070	1920	7.00
-5 ft	lb	*13710	*13710	*20080	15300	*12850	8020	8400	5220	6770	4230	(23.0)
-3.0 m	kg	*9430	*9430	*8060	7050	*5280	3680			*3230	2680	5.74
-10 ft	lb	*20790	*20790	*17770	15540	*11640	8110			*7120	5910	(18.8)

• **Boom** : 4.6 m (15' 1") • **Arm** : 3.0 m (9' 10") • **Bucket** : 0.58 m³ (0.76 yd³) SAE heaped • **Shoe** : 800 mm(31") triple grouser shoe with 2,200 kg (4,850 lb) Counterweight

Load point height m(ft)		Load radius								At max. reach		
		1.5 m(5 ft)		3.0 m(10 ft)		4.5 m(15 ft)		6.0 m(20 ft)		Capacity		Reach
												m (ft)
6.0 m 20 ft	kg lb									*2550 *5620	2170 4780	6.87 (22.5)
4.5 m 15 ft	kg lb					*2790 *6150	*2790 *6150	*2800 *6170	2670 5890	*2650 *5840	1750 3860	7.63 (25.0)
3.0m 10 ft	kg lb			*5100 *11240	*5100 *11240	*3700 *8160	*3700 *8160	*3160 *6970	2570 5670	2520 5560	1560 3440	7.99 (26.2)
1.5 m 5 ft	kg lb			*7860 *17330	7300 16090	*4790 *10560	3860 8510	*3650 *8050	2450 5400	2470 5450	1520 3350	8.01 (26.3)
Ground Line	kg lb	*3630 *8000	*3630 *8000	*8780 *19360	6940 15300	*5560 *12260	3670 8090	3800 8380	2360 5200	2610 5750	1610 3550	7.70 (25.3)
-1.5 m -5 ft	kg lb	*6260 *13800	*6260 *13800	*9050 *19950	6880 15170	*5780 *12740	3590 7910	3760 8290	2320 5110	3040 6700	1890 4170	7.00 (23.0)
-3.0 m -10 ft	kg lb	*9470 *20880	*9470 *20880	*8000 *17640	6990 15410	*5220 *11510	3630 8000			*3190 *7030	2640 5820	5.74 (18.8)