

**Robex**

# 140LC-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES



\*Photo may include optional equipment

 **HYUNDAI**  
CONSTRUCTION EQUIPMENT AMERICAS, INC.

# PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality.

***Take pride in your work with Hyundai!***



# Robex 140LC-9A

## Machine Walk-Around

### Engine Technology

Proven, reliable, fuel efficient, low emission and low noise  
Perkins Tier 4 interim & EU stage III B engine

### Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

### Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps  
New compact solenoid block equipped with 4 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock, arm regeneration

### Enhanced Operator Cab

#### Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation  
Larger right-side glass, now one piece, for better right visibility  
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade  
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

#### Improved Cab Construction

New steel tube construction for added operator safety, protection and durability  
New window open/close mechanism designed with cable and spring lift assist and single latch release

#### Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use with new sleek styling  
Heated suspension (standard) or optional air ride suspension with heat  
New joystick consoles - now adjustable in height by pushing the button  
Integrated seat with consoles - reduce the operator fatigue

#### Advanced 7" Color Cluster with Touch Screen

New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.

3 power modes : (P) Power, (S) Standard, (E) Economy

2 work modes : Dig & Attachment, (U) User mode for operator preference

Enhanced self-diagnostic features with GPS download capability

One pump flow or two pump flow for optional attachment is now selectable through the cluster /

New anti-theft system with password capability

Boom speed and arm regeneration are selectable through the monitor.

Auto power boost is now available - selectable (on/off) through the monitor.

Powerful air conditioning and heat with auto climate control

### RMS

(Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

### Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps

Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner



\*Photo may include optional equipment.

# PRECISION

Innovative hydraulic system technologies make the 9A series excavator fast, smooth and easy to control.



\*Photo may include optional equipment.

## Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO (Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.

The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

### Power Mode

P (Power Max) mode maximizes machine speed and power for mass production.

S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

### Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

### User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

## Improved Hydraulic System

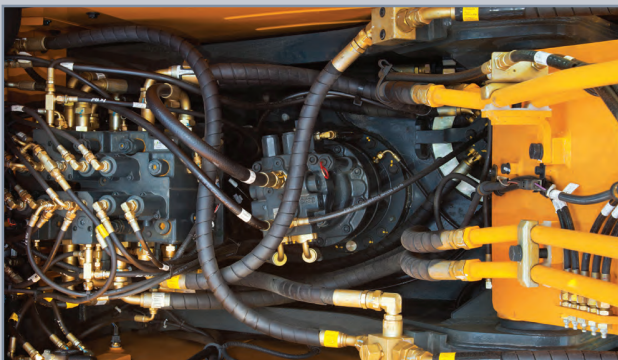


To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.

Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.

Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9A

series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.



### Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

# PERFORMANCE

9A series is designed for maximum performance to keep the operator working productively.

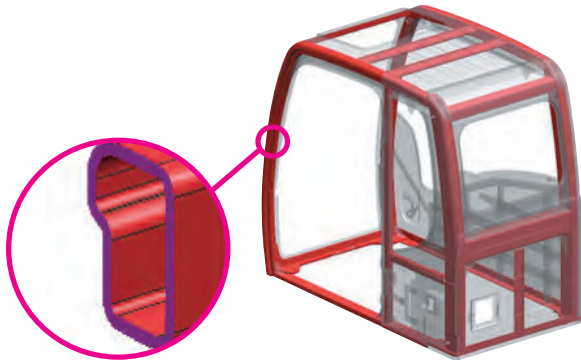


\*Photo may include optional equipment.



## Track Rail Guard & Adjusters

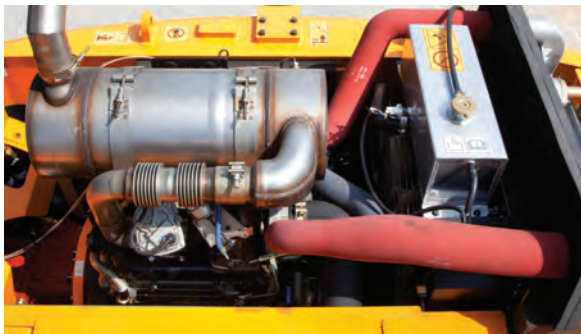
Durable track rail guards keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.



## Structure Strength

The 9A series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.

The optional ROPS (Roll Over Protective Structure) cab can be equipped to enhance operator safety.



## Perkins 1204E Engine

Tier 4 interim, four cylinder, 4 cycle, turbo-charged, charge air cooled Perkins 1204E engine provides maximum power, reliability, optimum fuel economy, and reduced emissions. Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.

### Better Performance

Using DPF (Diesel Particulate Filter) enables uncompromised, fuel economy and reduced cooling pack size, because the engine calibration does not solely need to be focused on low particulates. By using mainly passive regeneration and low back pressure aftertreatment designs fuel economy is not negatively impacted.

### Integrated aftertreatment without operating impact

The 1204E engines have fully transparent regeneration strategies and service free DPF, completely seamless to the operator.

## 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.

## One solution for all regions

Area mandating the use of DPF are increasing and european air quality directive will drive more non-attainment zones. Because our products use DPFs, our customers don't have to offer a retrofit DPF option to allow machines to operate in these territories.

# PREFERENCE

Operating a 9A series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.



\*Photo may include optional equipment.



## Wide Cabin with Excellent Visibility

The newly designed cabin has more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility of the machine surroundings and the job at hand. This well balanced combination of comfort and visibility put the operator in the perfect position to work safely and securely.



## Operator Comfort

In 9A series cabin you can easily adjust the seat, console and armrest settings to best suit your comfort level. The seat is integrated with the console so seat suspension absorbs console vibration which reduces operator's fatigue. New joystick consoles are adjustable in height by pushing a button. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, and the radio / USB player.



## Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9A series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo and MP3 capabilities, plus remotely located controls is perfect for listening to your favorite music. Operators can talk on the phone with the hands-free cell phone feature. Also, the newly designed optional remote control offers a hands-free mobile bluetooth and hands-free radio cable function.



## Smart Key System (Option)

9A series excavators provide smart key system as an option. This allows the operator to start the engine by the push of a starter button without inserting a key in the ignition.



## Operator - Friendly Cluster

The advanced new cluster with 7-inch wide color LCD touch screen with toggle switches allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

The newly applied FM transmitter application transmits signal to USB & radio player with the same frequency as cluster. The player outputs the audio through the internal speaker in the cab. The video & firmware updates are possible with USB host support and an adjustable cluster hinge bracket improves cluster visibility.

## Monitor Tilt Range



**Horizontal**  
Total : 15°



**Vertical**  
Total : 30°



# PROFITABILITY

9A series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.



\*Photo may include optional equipment.

## Fuel Efficiency

9A series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed fan clutch, two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



### Hi-mate (Remote Management System)

Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-mate saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.



## Easy Access

Ground-line access to filters, lube fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9A series.



## Long-Life Components

9A series excavators were designed with bushings designed for long-life lube intervals (250hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.

# Specifications

## ENGINE

MODEL	Perkins 1204E		
Type	Water cooled, 4 cycle Diesel, 4-cylinders in line, direct injection, turbocharged charger and air cooled		
Rated flywheel horse power	SAE	J1995 (gross)	124 HP (92.7 kW)/ 1,950 rpm
		J1349 (net)	116 HP (88 kW)/ 1,950 rpm
	DIN	6271/1 (gross)	126 PS (92.7 kW)/ 1,950 rpm
		6271/1 (net)	118 PS (87 kW)/ 1,950 rpm
Max. torque	54 kgf-m (391 lbf-ft)/ 1,400 rpm		
Bore X stroke	105 x 127 mm (4.13" x 5.0")		
Piston displacement	4,400cc (268 in <sup>3</sup> )		
Batteries	2 X 12V X 80AH		
Starting motor	24V- 4.5 kW		
Alternator	24V- 85 Amp		

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement piston pumps
Rated flow	2 X 130L /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 pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm <sup>2</sup> (4,978 psi)
Travel	350 kgf/cm <sup>2</sup> (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,404 psi)
Swing circuit	285 kgf/cm <sup>2</sup> (4,054 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (568 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 1,138 mm (4.5" X 44.8")
	Bucket: 1-100 X 840 mm (3.9" X 33.1")
	Blade: 2-100 X 250 mm (3.9" X 9.8")
	2-PCS boom : 2-105 X 975 mm (4.1" X 38.4")
	Adjust(boom): 1-145 X 613 mm (5.7" X 24.1")

## 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)	5.4 km/hr (3.4 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

## CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

## SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.7 rpm

## COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	270.0	71.3	59.4
Engine coolant	15.5	4.1	3.4
Engine oil	10.5	2.8	2.3
Swing device-gear oil	2.5	0.66	0.55
Final drive(each)-gear oil	2.2	0.6	0.5
Hydraulic system(including tank)	210.0	55.5	46.2
Hydraulic tank	124.0	32.8	27.3

## UNDERCARRIAGE

The 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 springs and sprockets, and a track chain with double or triple grouser shoes.

	R140LC/LCD-9	R140LCM-9
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 guard on each side	1	1

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600mm (15' 1") boom, 2,500mm (8' 2") arm, SAE heaped 0.58m<sup>3</sup> (0.76 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	3,820 kg (8,422 lb)
Boom (with Arm cylinder)	1,030 kg (2,270 lb)

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm <sup>2</sup> (psi)
Triple grouser	500 mm (20")	R140LC-9A	13,790 (30,400)	0.43 (6.11)
		R140LCD-9A	14,590 (32,160)	0.45 (6.40)
	600 mm (24")	R140LC-9A	13,980 (30,820)	0.36 (5.12)
		R140LCD-9A	14,800 (32,630)	0.38 (5.40)
Double grouser	700 mm (28")	R140LC-9A	14,210 (31,330)	0.32 (4.55)
	800 mm (32")	R140LCM-9A	16,880 (37,210)	0.32 (4.55)
Single grouser	710 mm (28")	R140LCM-9A	16,880 (37,210)	0.36 (5.12)
	960 mm (38")	R140LCM-9A	17,110 (37,720)	0.27 (3.84)

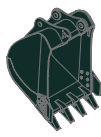
## BUCKETS

All buckets are welded with high-strength steel.

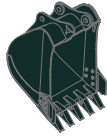


SAE  
heaped  
m<sup>3</sup> (yd<sup>3</sup>)

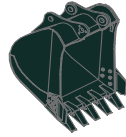
0.23 (0.30)



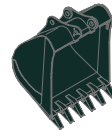
0.40 (0.52)  
0.46 (0.60)



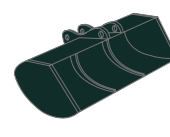
0.52 (0.68)  
0.58 (0.76)



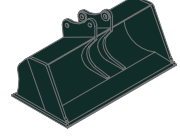
0.65 (0.85)



0.71 (0.93)



○ 0.45 (0.59)



★ 0.55 (0.72)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)								
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		4,600 (15' 1") Boom				4,100 (13' 5") Boom		4,900 (16' 1") Adjustable Boom		
					1,900 (6' 3") Arm	2,100 (6' 11") Arm	2,500 (8' 2") Arm	3,000 (9' 10") Arm	1,900 (6' 3") Arm	2,100 (6' 11") Arm	1,900 (6' 3") Arm	2,100 (6' 11") Arm	2,500 (8' 2") Arm
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)	■	■	▲	-	●	●	■	▲	▲

○ Ditching bucket

★ Slope finishing bucket

●: Applicable for materials with density of 2,000 kg/m<sup>3</sup> (3,370 lb/ yd<sup>3</sup>) or less

■: Applicable for materials with density of 1,600 kg/m<sup>3</sup> (2,700 lb/ yd<sup>3</sup>) or less

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

## ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 4.1m, 4.6m mono booms and 4.9m adjustable boom and 1.9m, 2.1m, 2.5m, 3.0m arms are available.

## DIGGING FORCE

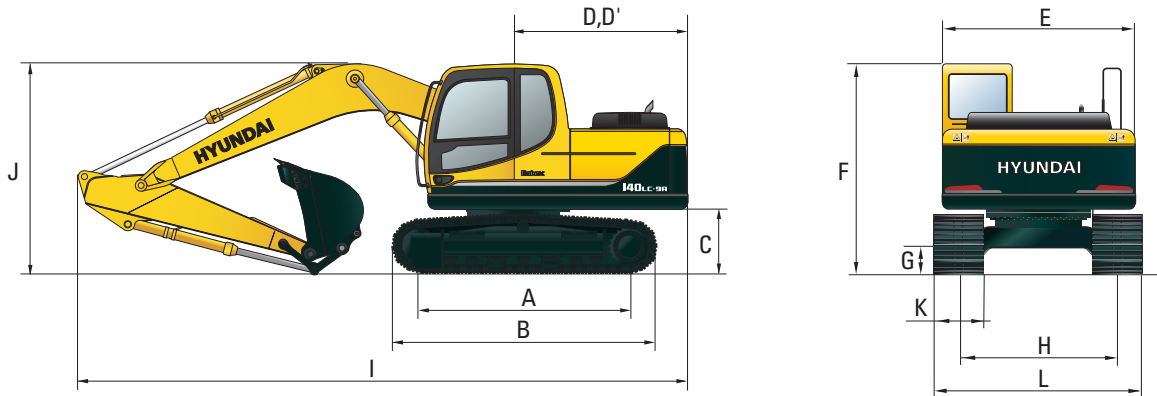
Boom	Length	mm (ft-in)	4,600 (15' 1")				Remarks
	Weight	kg (lb)	1,030 (2,270)				
Arm	Length	mm (ft-in)	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	[ ]: Power Boost
	Weight	kg (lb)	560 (1,230)	580 (1,280)	610 (1,340)	670 (1,480)	
Bucket digging force	SAE	kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	
		kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	
		lbf	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	
	ISO	kN	102 [110.8]	102 [110.8]	102 [110.8]	102 [110.8]	
		kgf	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	
		lbf	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	
Arm crowd force	SAE	kN	76.5 [83.1]	73.6 [79.9]	62.8 [68.2]	55.9 [60.7]	
		kgf	7,800 [8,470]	7,500 [8,140]	6,400 [6,950]	5,700 [6,190]	
		lbf	17,200 [18,670]	16,530 [17,950]	14,110 [15,320]	12,570 [13,640]	
	ISO	kN	80.4 [87.3]	77.5 [84.1]	65.7 [71.4]	57.9 [62.8]	
		kgf	8,200 [8,900]	7,900 [8,580]	6,700 [7,270]	5,900 [6,410]	
		lbf	18,080 [19,630]	17,420 [18,910]	14,770 [16,040]	13,010 [14,120]	

Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

# Dimensions & Working Range

## R140LC-9A DIMENSIONS

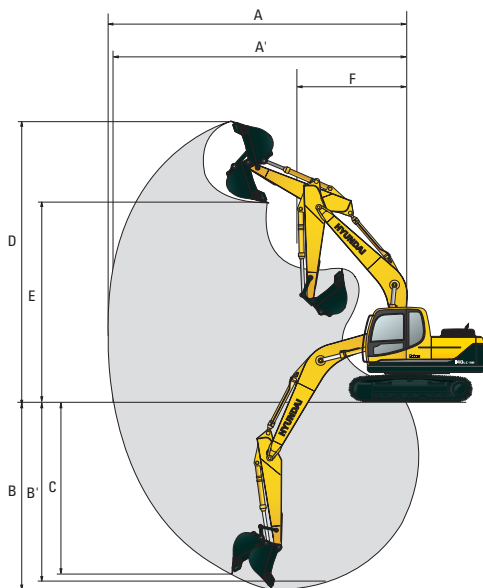


Unit : mm (ft-in)

A Tumbler distance	3,000 (9' 10")	Boom length	4,600 (15' 1")				4,100 (13' 5")	
B Overall length of crawler	3,750 (12' 4")	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")
C Ground clearance of counterweight	940 (3' 1")	I Overall length	7,820 (25' 7")	7,850 (25' 8")	7,820 (25' 7")	7,790 (25' 6")	7,320 (24' 0")	7,350 (24' 1")
D Tail swing radius	2,330 (7' 7")	J Overall height of boom	2,650 (8' 7")	2,760 (9' 0")	2,780 (9' 1")	3,110 (10' 2")	2,600 (8' 5")	2,790 (9' 2")
D' Rear-end length	2,330 (7' 7")	K Track shoe width	500 (20")		600 (24")		700 (28")	
E Overall width of upperstructure	2,500 (8' 2")	L Overall width	2,500 (8' 2")		2,600 (8' 6")		2,700 (8' 10")	
F Overall height of cab	2,860 (9' 4")							
G Min. ground clearance	440 (1' 5")							
H Track gauge	2,000 (6' 7")							

## R140LC-9A WORKING RANGE

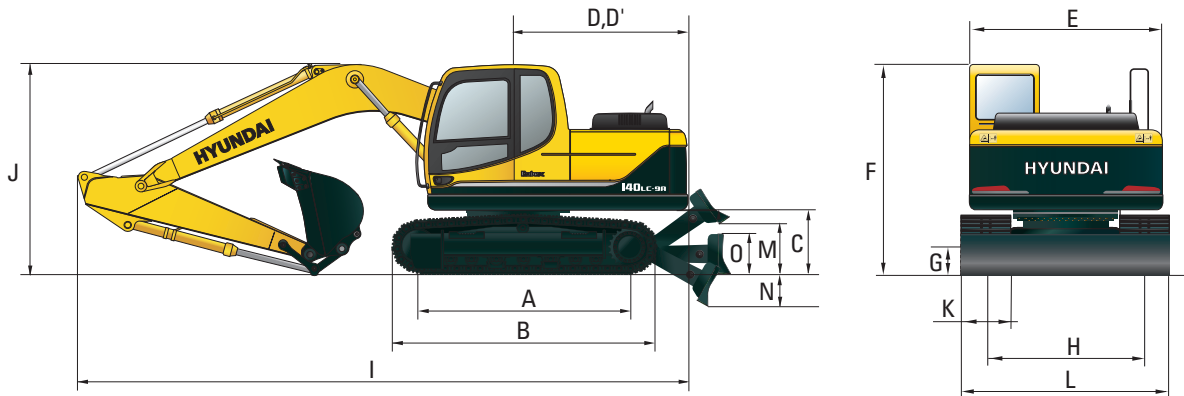
Unit : mm (ft-in)



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 (25' 11")	8,330 (27' 4")	8,790 (28' 10")	7,260 (23' 10")	7,420 (24' 4")
A' Max. digging reach on ground	7,600 (24' 11")	7,770 (25' 6")	8,180 (26' 10")	8,650 (28' 4")	7,090 (23' 3")	7,260 (23' 10")
B Max. digging depth	4,950 (16' 2")	5,150 (16' 10")	5,550 (18' 3")	6,050 (19' 10")	4,540 (14' 11")	4,740 (15' 7")
B' Max. digging depth (8° level)	4,680 (15' 4")	4,900 (16' 1")	5,340 (17' 6")	5,870 (19' 3")	4,280 (14' 1")	4,490 (14' 9")
C Max. vertical wall digging depth	4,650 (15' 3")	4,900 (16' 1")	5,330 (17' 6")	5,850 (19' 2")	4,240 (13' 11")	4,350 (14' 3")
D Max. digging height	8,100 (26' 7")	8,180 (26' 10")	8,500 (27' 11")	8,780 (28' 10")	7,700 (25' 3")	7,770 (25' 6")
E Max. dumping height	5,670 (18' 7")	5,750 (18' 10")	6,060 (19' 11")	6,330 (20' 9")	5,260 (17' 3")	5,340 (17' 6")
F Min. swing radius	2,630 (8' 8")	2,670 (8' 9")	2,650 (8' 8")	2,680 (8' 10")	2,350 (7' 9")	2,460 (8' 1")

# Dimensions & Working Range

## R140LCD-9A DIMENSIONS

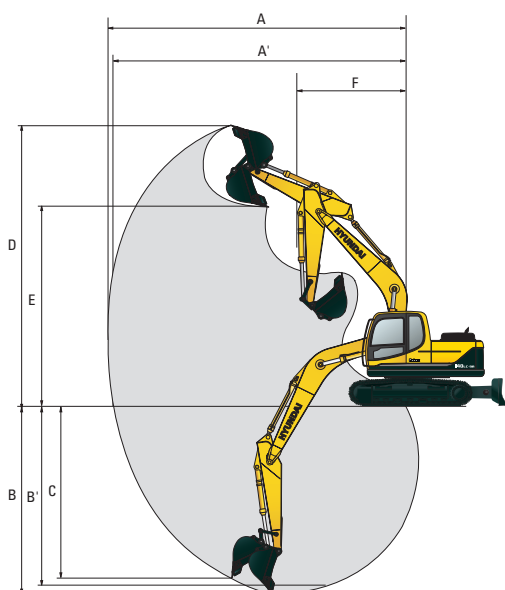


Unit : mm (ft-in)

A Tumbler distance	3,000 (9' 10")	Boom length				4,600 (15' 1")		4,100 (13' 5")	
B Overall length of crawler	3,750 (12' 4")	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")
C Ground clearance of counterweight	940 (3' 1")	I Overall length		8,130 (26' 7")	8,160 (26' 7")	8,130 (26' 7")	8,100 (26' 6")	7,630 (25' 0")	7,660 (25' 1")
D Tail swing radius	2,330 (7' 7")	J Overall height of boom		2,650 (8' 7")	2,760 (9' 0")	2,780 (9' 1")	3,110 (10' 2")	2,600 (8' 5")	2,790 (9' 2")
D' Rear-end length	2,330 (7' 7")	K Track shoe width		500 (20")		600 (24")		700 (28")	
E Overall width of upperstructure	2,500 (8' 2")	L Overall width		2,500 (8' 2")		2,600 (8' 6")		2,700 (8' 10")	
F Overall height of cab	2,860 (9' 4")								
G Min. ground clearance	440 (1' 5")								
H Track gauge	2,000 (6' 7")								
M Ground clearance of blade up	560 (1' 8")								
N Depth of blade down	500 (1' 6")								
O Height of blade	550 (1' 8")								
Width of blade	2,500 (8' 2") 2,600 (8' 6")								

## R140LCD-9A WORKING RANGE

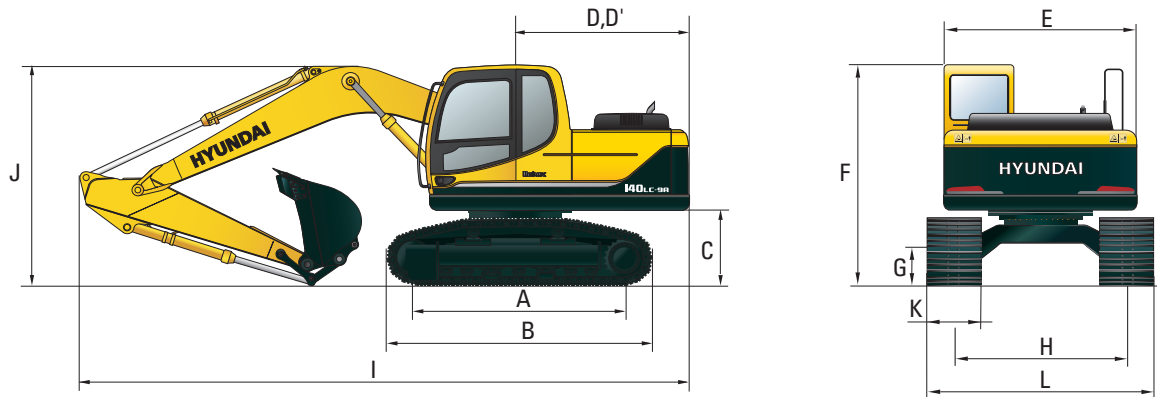
Unit : mm (ft-in)



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 (25' 11")	8,330 (27' 4")	8,790 (28' 10")	7,260 (23' 10")	7,420 (24' 4")
A' Max. digging reach on ground	7,600 (24' 11")	7,770 (25' 6")	8,180 (26' 10")	8,650 (28' 4")	7,090 (23' 3")	7,260 (23' 10")
B Max. digging depth	4,950 (16' 2")	5,150 (16' 10")	5,550 (18' 3")	6,050 (19' 10")	4,540 (14' 11")	4,740 (15' 7")
B' Max. digging depth (8° level)	4,680 (15' 4")	4,900 (16' 1")	5,340 (17' 6")	5,870 (19' 3")	4,280 (14' 1")	4,490 (14' 9")
C Max. vertical wall digging depth	4,650 (15' 3")	4,900 (16' 1")	5,330 (17' 6")	5,850 (19' 2")	4,240 (13' 11")	4,350 (14' 3")
D Max. digging height	8,100 (26' 7")	8,180 (26' 10")	8,500 (27' 11")	8,780 (28' 10")	7,700 (25' 3")	7,770 (25' 6")
E Max. dumping height	5,670 (18' 7")	5,750 (18' 10")	6,060 (19' 11")	6,330 (20' 9")	5,260 (17' 3")	5,340 (17' 6")
F Min. swing radius	2,630 (8' 8")	2,670 (8' 9")	2,650 (8' 8")	2,680 (8' 10")	2,350 (7' 9")	2,460 (8' 1")

# Dimensions & Working Range

## R140LCM-9A DIMENSIONS

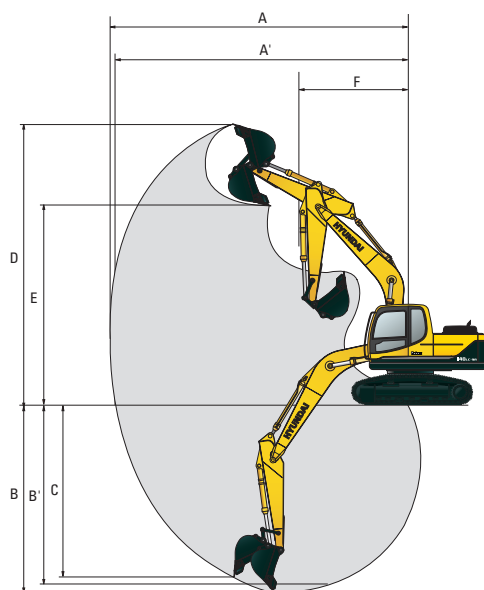


Unit : mm (ft-in)

A Tumbler distance	3,030 (9' 11")	Boom length	4,600 (15' 1")			
B Overall length of crawler	3,860 (12' 4")	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
C Ground clearance of counterweight	1,200 (3' 9")	I Overall length	7,770 (25' 5")	7,830 (25' 7")	7,790 (25' 6")	7,860 (25' 8")
D Tail swing radius	2,330 (7' 7")	J Overall height of boom	2,750 (9' 0")	2,860 (9' 4")	2,830 (9' 3")	3,120 (10' 2")
D' Rear-end length	2,330 (7' 7")	K Track shoe width	Type	Double grouser	Triple grouser	Single grouser
E Overall width of upperstructure	2,500 (8' 2")		Width	710 (28")	800 (32")	960 (38")
F Overall height of cab	3,120 (10' 2")	L Overall width	2,750 (9' 0")	2,840 (9' 4")	3,000 (9' 10")	
G Min. ground clearance	600 (2' 0")					
H Track gauge	2,040 (6' 8")					

## R140LCM-9A WORKING RANGE

Unit : mm (ft-in)

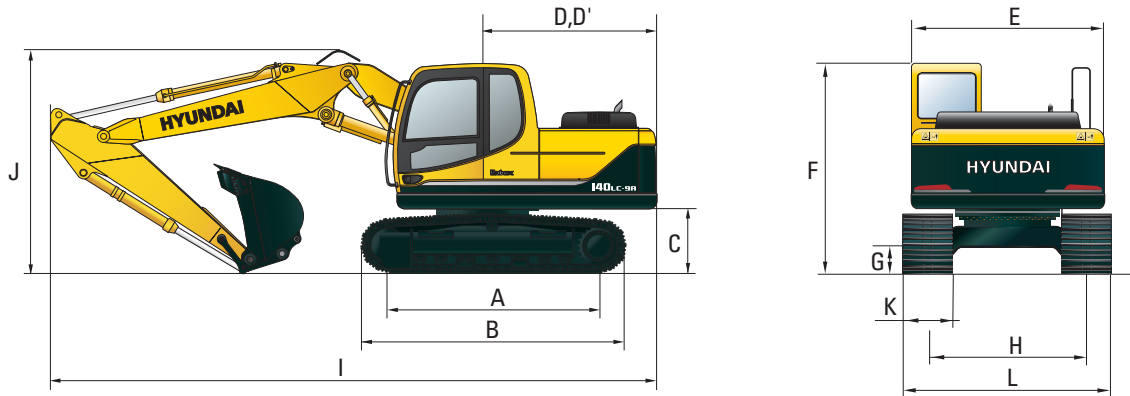


Boom length	4,600 (15' 1")			
Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
A Max. digging reach	7,750 (25' 5")	7,920 (25' 11")	8,330 (27' 4")	8,790 (28' 10")
A' Max. digging reach on ground	7,540 (24' 9")	7,710 (25' 4")	8,110 (26' 7")	8,580 (28' 2")
B Max. digging depth	4,690 (15' 5")	4,890 (16' 1")	5,290 (17' 4")	5,790 (19' 0")
B' Max. digging depth (8° level)	4,420 (14' 6")	4,640 (15' 3")	5,080 (16' 8")	5,610 (18' 5")
C Max. vertical wall digging depth	4,390 (14' 5")	4,640 (15' 3")	5,070 (16' 8")	5,590 (18' 4")
D Max. digging height	8,360 (27' 5")	8,440 (27' 8")	8,760 (28' 9")	9,040 (29' 7")
E Max. dumping height	5,930 (19' 5")	6,010 (19' 8")	6,320 (20' 9")	6,590 (21' 7")
F Min. swing radius	2,630 (8' 8")	2,670 (8' 9")	2,650 (8' 8")	2,680 (8' 10")



# Dimensions & Working Range

## R140LC-9A ADJUSTABLE BOOM DIMENSIONS

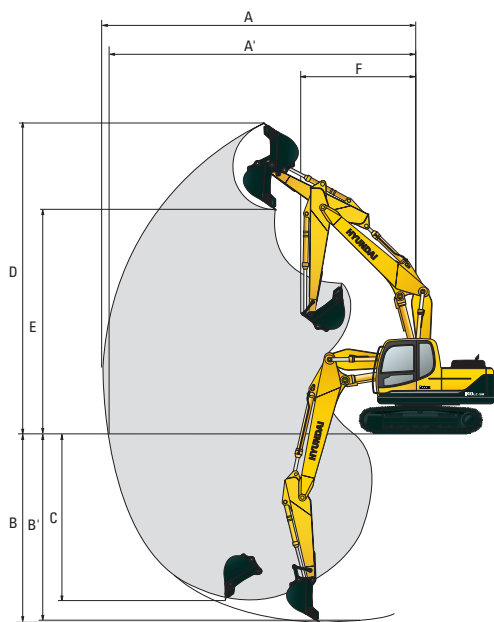


Unit : mm (ft-in)

A Tumbler distance	3,000 (9' 10")	Boom length	4,900 (16' 1"), Adjustable boom		
B Overall length of crawler	3,750 (12' 4")	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
C Ground clearance of counterweight	940 (3' 1")	I Overall length	8,160 (26' 8")	8,170 (26' 8")	8,150 (26' 8")
D Tail swing radius	2,330 (7' 7")	J Overall height of boom	2,830 (9' 3")	2,940 (9' 6")	2,960 (9' 7")
D' Rear-end length	2,330 (7' 7")	K Track shoe width	500 (20")	600 (24")	700 (28")
E Overall width of upperstructure	2,500 (8' 2")	L Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")
F Overall height of cab	2,870 (9' 4")				
G Min. ground clearance	440 (1' 5")				
H Track gauge	2,000 (6' 7")				

## R140LC-9A ADJUSTABLE BOOM WORKING RANGE

Unit : 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")	8,320 (27' 4")	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	5,110 (16' 9")	5,310 (17' 5")	5,710 (18' 9")
B' Max. digging depth (8' level)	5,000 (16' 5")	5,190 (17' 0")	5,610 (18' 5")
C Max. vertical wall digging depth	4,490 (14' 9")	4,660 (15' 3")	5,120 (16' 10")
D Max. digging height	8,810 (28' 11")	8,890 (29' 2")	9,270 (30' 5")
E Max. dumping height	6,330 (20' 9")	6,410 (21' 0")	6,780 (22' 3")
F Min. swing radius	2,670 (8' 9")	2,830 (9' 3")	2,690 (8' 10")













# Lifting Capacity











## R140LCD-9A

 Rating over-front  Rating over-side or 360 degree













Boom : 4.6 m (15' 1") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		Reach m (ft)	
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity			
												
6.0 m (20 ft)	kg					*3340	*3340			*3170	2490	5.95
	lb					*7360	*7360			*6990	5490	(19.5)
4.5 m (15 ft)	kg					*3550	*3550			3070	1870	6.90
	lb					*7830	*7830			6770	4120	(22.6)
3.0 m (10 ft)	kg			*6270	*6270	*4440	3700	3780	2300	2710	1620	7.37
	lb			*13820	*13820	*9790	8160	8330	5070	5970	3570	(24.2)
1.5 m (5 ft)	kg			*8490	6380	*5520	3460	3680	2210	2610	1550	7.45
	lb			*18720	14070	*12170	7630	8110	4870	5750	3420	(24.4)
Ground	kg			*8230	6130	5650	3290	3590	2130	2750	1630	7.17
	lb			*18140	13510	12460	7250	7910	4700	6060	3590	(23.5)
(-1.5 m (-5 ft))	kg	*6670	*6670	*9690	6140	5590	3240			3230	1930	6.48
	lb	*14700	*14700	*21360	13540	12320	7140			7120	4250	(21.3)
(-3.0 m (-10 ft))	kg	*10970	*10970	*8330	6270	*5520	3300			*3690	2830	5.15
	lb	*24180	*24180	*18360	13820	*12170	7280			*8140	6240	(16.9)

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		Reach m (ft)	
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity			
												
6.0 m (20 ft)	kg									*2810	2040	6.69
	lb									*6190	4500	(21.9)
4.5 m (15 ft)	kg							*2770	2410	2660	1600	7.53
	lb							*6110	5310	5860	3530	(24.7)
3.0 m (10 ft)	kg			*4930	*4930	*3830	3770	*3380	2320	2380	1400	7.95
	lb			*10870	*10870	*8440	8310	*7450	5110	5250	3090	(26.1)
1.5 m (5 ft)	kg			*8030	6580	*5010	3490	3680	2210	2300	1340	8.03
	lb			*17700	14510	*11050	7690	8110	4870	5070	2950	(26.3)
Ground	kg			*8780	6140	5640	3280	3570	2110	2400	1400	7.77
	lb			*19360	13540	12430	7230	7870	4650	5290	3090	(25.5)
(-1.5 m (-5 ft))	kg	*5740	*5740	*9910	6040	5530	3180	3510	2060	2730	1610	7.15
	lb	*12650	*12650	*21850	13320	12190	7010	7740	4540	6020	3550	(23.5)
(-3.0 m (-10 ft))	kg	*8760	*8760	*9040	6110	5550	3200			*3540	2170	6.01
	lb	*19310	*19310	*19930	13470	12240	7050			*7800	4780	(19.7)
(-4.5 m (-15 ft))	kg			*6590	6370							
	lb			*14530	14040							

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		Reach m (ft)			
	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		
														
6.0 m (20 ft)	kg							*1880	*1880			*2540	1760	7.25
	lb							*4140	*4140			*5600	3880	(23.8)
4.5 m (15 ft)	kg							*2570	2440			2380	1410	8.02
	lb							*5670	5380			5250	3110	(26.3)
3.0 m (10 ft)	kg					*3280	*3280	*3020	2350	*1660	1540	2150	1250	8.41
	lb					*7230	*7230	*6660	5180	*3660	3400	4740	2760	(27.6)
1.5 m (5 ft)	kg			*6980	6780	*4540	3540	*3610	2220	*2190	1480	2080	1190	8.49
	lb			*15390	14950	*10010	7800	*7960	4890	*4830	3260	4590	2620	(27.9)
Ground	kg			*9240	6190	*5630	3290	3560	2090	*2120	1480	2150	1230	8.25
	lb			*20370	13650	*12410	7250	7850	4610	*4670	3150	4740	2710	(27.1)
(-1.5 m (-5 ft))	kg	*5290	*5290	*9910	5990	5500	3150	3480	2020			2410	1390	7.67
	lb	*11660	*11660	*21850	13210	12130	6940	7670	4450			5310	3060	(25.2)
(-3.0 m (-10 ft))	kg	*7720	*7720	*9440	6010	5480	3130	3480	2020			3060	1800	6.64
	lb	*17020	*17020	*20810	13250	12080	6900	7670	4450			6750	3970	(21.8)
(-4.5 m (-15 ft))	kg	*11300	*11300	*7670	6190	*4890	3240							
	lb	*24910	*24910	*16910	13650	*10780	7140							











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

# Lifting Capacity











## R140LCM-9A

 Rating over-front  Rating over-side or 360 degree













Boom : 4.6 m (15' 1") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 800mm (32") triple grouser

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					*3310 *7300	*3310 *7300			*3180 *7010	2610 5750	6.16 (20.2)
4.5 m (15 ft)	kg lb					*3670 *8090	*3670 *8090	*2830 *6240	2640 5820	3200 7050	2050 4520	7.01 (23.0)
3.0 m (10 ft)	kg lb			*6820 *15040	*6820 *15040	*4620 *10190	4090 9020	*3860 *8510	2580 5690	2880 6350	1820 4010	7.41 (24.3)
1.5 m (5 ft)	kg lb			*7800 *17200	7120 15700	*5680 *12520	3850 8490	3930 8660	2480 5470	2820 6220	1770 3900	7.43 (24.4)
Ground	kg lb			*8700 *19180	6940 15300	6050 13340	3700 8160	3850 8490	2410 5310	3020 6660	1890 4170	7.09 (23.3)
Line	kg lb			*9540 *21030	6960 15340	6010 13250	3670 8090			3630 8000	2290 5050	6.31 (20.7)
(-1.5 m -5 ft)	kg lb	*7330 *16160	*7330 *16160									
(-3.0 m -10 ft)	kg lb			*7950 *17530	7130 15720	*5200 *11460	3760 8290					

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 800mm (32") triple grouser

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									*2830 *6240	2180 4810	6.87 (22.5)
4.5 m (15 ft)	kg lb					*3040 *6700	*3040 *6700	*2930 *6460	2690 5930	2790 6150	1770 3900	7.63 (25.0)
3.0 m (10 ft)	kg lb			*5460 *12040	*5460 *12040	*4030 *8880	*4030 *8880	*3470 *7650	2590 5710	2540 5600	1590 3510	7.99 (26.2)
1.5 m (5 ft)	kg lb			*8460 *18650	7290 16070	*5200 *11460	3880 8550	3930 8660	2480 5470	2490 5490	1540 3400	8.01 (26.3)
Ground	kg lb	*3600 *7940	*3600 *7940	*8880 *19580	6920 15260	6030 13290	3680 8110	3820 8420	2380 5250	2630 5800	1630 3590	7.70 (25.3)
Line	kg lb	*6200 *13670	*6200 *13670	*9840 *21690	6850 15100	5940 13100	3600 7940	3780 8330	2340 5160	3050 6720	1900 4190	7.00 (23.0)
(-1.5 m -5 ft)	kg lb	*6200 *13670	*6200 *13670	*9840 *21690	6850 15100	5940 13100	3600 7940	3780 8330	2340 5160	3050 6720	1900 4190	7.00 (23.0)
(-3.0 m -10 ft)	kg lb	*9390 *20700	*9390 *20700	*8770 *19330	6960 15340	*5760 *12700	3640 8020			*3520 *7760	2650 5840	5.74 (18.8)

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 800mm (32") triple grouser

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 (20 ft)	kg lb							*2060 *4540	*2060 *4540			*2550 *5620	1900 4190	7.41 (24.3)
4.5 m (15 ft)	kg lb							*2660 *5860	*2660 *5860			2510 5530	1570 3460	8.11 (26.6)
3.0 m (10 ft)	kg lb					*3480 *7670	*3480 *7670	*3120 *6880	2610 5750	*1790 *3950	1740 3840	2300 5070	1420 3130	8.45 (27.7)
1.5 m (5 ft)	kg lb			*7490 *16510	7480 16490	*4750 *10470	3920 8640	*3710 *8180	2480 5470	*2230 *4920	1690 3730	2250 4960	1380 3040	8.47 (27.8)
Ground	kg lb	*3650 *8050	*3650 *8050	*9450 *20830	6950 15320	*5770 *12720	3680 8110	3810 8400	2360 5200	*1990 *4390	1640 3620	2360 5200	1440 3170	8.18 (26.8)
Line	kg lb	*5660 *12480	*5660 *12480	*9900 *21830	6800 14990	5900 13010	3560 7850	3740 8250	2300 5070			2680 5910	1650 3640	7.53 (24.7)
(-1.5 m -5 ft)	kg lb	*5660 *12480	*5660 *12480	*9900 *21830	6800 14990	5900 13010	3560 7850	3740 8250	2300 5070			2680 5910	1650 3640	7.53 (24.7)
(-3.0 m -10 ft)	kg lb	*8220 *18120	*8220 *18120	*9250 *20390	6840 15080	5900 13010	3560 7850	3760 8290	2320 5110			*3380 *7450	2180 4810	6.40 (21.0)
(-4.5 m -15 ft)	kg lb			*7160 *15790	7060 15560	*4420 *9740	3710 8180							









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

# Lifting Capacity









## R140LC-9A ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degree













Boom : 4.9 m (16' 1") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius						At max. reach		Reach m (ft)	
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity			
										
6.0 m (20 ft)	kg			*2900	*2900			*2880	2010	6.45
	lb			*6390	*6390			*6350	4430	(21.2)
4.5 m (15 ft)	kg			*3280	*3280	*3150	2220	2530	1540	7.33
	lb			*7230	*7230	*6940	4890	5580	3400	(24.0)
3.0 m (10 ft)	kg	*6420	*6420	*4230	3440	3470	2130	2240	1340	7.76
	lb	*14150	*14150	*9330	7580	7650	4700	4940	2950	(25.5)
1.5 m (5 ft)	kg			5310	3160	3340	2020	2170	1280	7.84
	lb			11710	6970	7360	4450	4780	2820	(25.7)
Ground	kg	*5430	*5430	5110	2980	3240	1930	2270	1340	7.58
	lb	*11970	*11970	11270	6570	7140	4250	5000	2950	(24.9)
(-1.5 m -5 ft)	kg	*9210	5620	5050	2940	3220	1900	2630	1570	6.93
	lb	*20300	12390	11130	6480	7100	4190	5800	3460	(22.7)
(-3.0 m -10 ft)	kg	*8450	5780	5130	3000					
	lb	*18630	12740	11310	6610					

Boom : 4.9 m (16' 1") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius						At max. reach		Reach m (ft)	
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity			
										
6.0 m (20 ft)	kg			*2690	*2690			*2760	1900	6.68
	lb			*5930	*5930			*6080	4190	(21.9)
4.5 m (15 ft)	kg			*3080	*3080	*2990	2230	2420	1470	7.52
	lb			*6790	*6790	*6590	4920	5340	3240	(24.7)
3.0 m (10 ft)	kg	*5930	*5930	*4030	3460	*3360	2140	2150	1280	7.94
	lb	*13070	*13070	*8880	7630	*7410	4720	4740	2820	(26.0)
1.5 m (5 ft)	kg			*5140	3160	3340	2010	2080	1220	8.02
	lb			*11330	6970	7360	4430	4590	2690	(26.3)
Ground	kg	*5690	5540	5090	2960	3230	1910	2170	1270	7.77
	lb	*12540	12210	11220	6530	7120	4210	4780	2800	(25.5)
(-1.5 m -5 ft)	kg	*8930	5560	5020	2900	3190	1870	2490	1470	7.14
	lb	*19690	12260	11070	6390	7030	4120	5490	3240	(23.4)
(-3.0 m -10 ft)	kg	*8650	5690	5070	2950					
	lb	*19070	12540	11180	6500					

Boom : 4.9 m (16' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		Reach m (ft)			
	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		
														
6.0 m (20 ft)	kg							*2250	*2250			*2570	1660	7.18
	lb							*4960	*4960			*5670	3660	(23.6)
4.5 m (15 ft)	kg					*2700	*2700	*2710	2270			2190	1310	7.96
	lb					*5950	*5950	*5970	5000			4830	2890	(26.1)
3.0 m (10 ft)	kg		*5070	*5070	*3660	3520	*3120	2160	*1900	1400		1970	1150	8.35
	lb		*11180	*11180	*8070	7760	*6880	4760	*4190	3090		4340	2540	(27.4)
1.5 m (5 ft)	kg		*7220	5960	*4830	3200	3350	2020	2300	1350		1900	1100	8.43
	lb		*15920	13140	*10650	7050	7390	4450	5070	2980		4190	2430	(27.7)
Ground	kg		*6040	5560	5100	2970	3220	1900	2250	1310		1980	1140	8.19
	lb		*13320	12260	11240	6550	7100	4190	4960	2890		4370	2510	(26.9)
(-1.5 m -5 ft)	kg	*4680	*4680	*8220	5510	4990	2880	3160	1850			2230	1300	7.60
	lb	*10320	*10320	*18120	12150	11000	6350	6970	4080			4920	2870	(24.9)
(-3.0 m -10 ft)	kg			*9010	5600	5010	2900	3190	1870					
	lb			*19860	12350	11050	6390	7030	4120					

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

# Notes

# Notes

## STANDARD EQUIPMENT

### ISO Standard cabin

All-weather steel cab with 360° visibility  
Safety glass windows  
Rise-up type windshield wiper  
Sliding fold-in front window  
Sliding side window (LH)  
Lockable door  
Hot & cool box  
Storage compartment & Ashtray  
Radio & USB player  
Handsfree mobile phone system with USB  
Transparent cabin roof-cover  
12 volt power outlet (24V DC to 12V DC converter)  
Sun visor

### Computer aided power optimization (New CAPO) system

3-power mode, 2-work mode, User mode  
Auto deceleration & one-touch deceleration system  
Auto warm-up system  
Auto overheat prevention system

### Automatic climate control

Air conditioner & heater  
Defroster

### Self-diagnostics system

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

### Centralized monitoring

LCD display  
Engine speed or Trip meter/Accel.  
Clock  
Gauges  
Fuel level gauge  
Engine coolant temperature gauge  
Hyd. oil temperature gauge  
Warnings  
Check engine  
Overload  
Communication error  
Low battery  
Air cleaner clogging  
Indicators  
Max power  
Low speed/High speed  
Fuel warmer  
Auto idle

### Door and cab locks, one key

### Three outside rearview mirrors

### Mechanical suspension seat with heater

### Pilot-operated slidable joystick

### Console box height adjust system

### Four front working lights

### Electric horn

### Batteries (2 x 12V x 100 AH)

### Battery master switch

### Removable clean-out dust net for cooler

### Automatic swing brake

### Fuel pre-filter

### Boom holding system

### Arm holding system

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

### Track rail guard

### Accumulator for lowering work equipment

### Electric transducer

### Lower frame under cover (Normal)

### Viscous fan clutch

## OPTIONAL EQUIPMENT

### Fuel filler pump (35 L/min)

### 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.)

### Quick coupler

### Travel alarm

### Booms

4.1m, 13' 5"

4.6m, 15' 1"

4.9m, 16' 1"

### Arms

1.9m, 6' 3"

2.1m, 6' 11"

2.5m, 8' 2"

3.0m, 9' 10"

### Cabin FOPS/FOG (ISO/DIS 10262 Level II)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

### Cabin ROPS (ISO 12117-2)

ROPS (Roll-over Protective Structure)

### Cabin roof-steel cover

### Cabin lights

### Cabin front window rain guard

### Track shoes

Triple grousers shoe (500mm, 20")

Triple grousers shoe (700mm, 28")

Triple grousers shoe (800mm, 32"), R140LCM-9A

Double grousers shoe (710mm, 28"), R140LCM-9A

Single grousers shoe (960mm, 38"), R140LCM-9A

### R140LCD-9A Blade : 550mm (1' 8") x 2,500mm (8' 2")

550mm (1' 8") x 2,600mm (8' 6")

### Lower frame under cover (Additional)

### Tool kit

### Rearview camera

### Seat

Adjustable air suspension seat with heater

### Pattern change valve (2 patterns)

### Hi-mate (Remote Management System)

### Rear work lamp

\* 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.

PLEASE CONTACT



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TEL (678) 823-7777 FAX (678) 823-7778