

MOVING YOU FURTHER

Robex
140LC-9
With Tier 3 Engine installed



PLEASE CONTACT

 **HYUNDAI CONSTRUCTION EQUIPMENT**

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-9

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Mitsubishi D04FD-TAA Engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine warm up feature / Anti-restart feature

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

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. Now with new sleek styling
Heated suspension (standard) or optional air ride suspension with heat
New joystick consoles - now adjustable in height by way of dial at bottom
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster

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, 20% more heat and air output than 7A series!

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.

Preference

Operating a 9 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.

Operator Comfort

In 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full automatic high capacity airconditioning system and the Radio / USB player.



Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9 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, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the hands-free cell phone feature.



Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch 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.



Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for 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 on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.



Precision

Innovative hydraulic system technologies make the 9 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 9

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

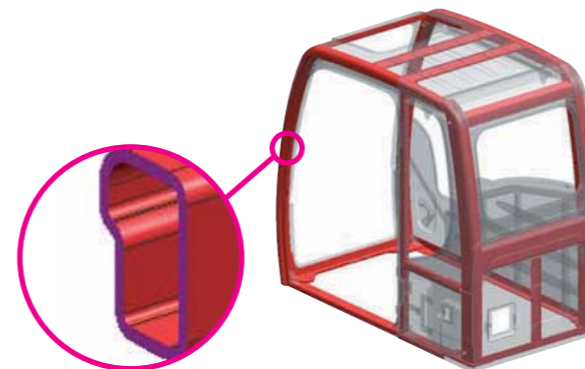
9 series is designed for maximum performance to keep the operator working productively.



*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 9 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.

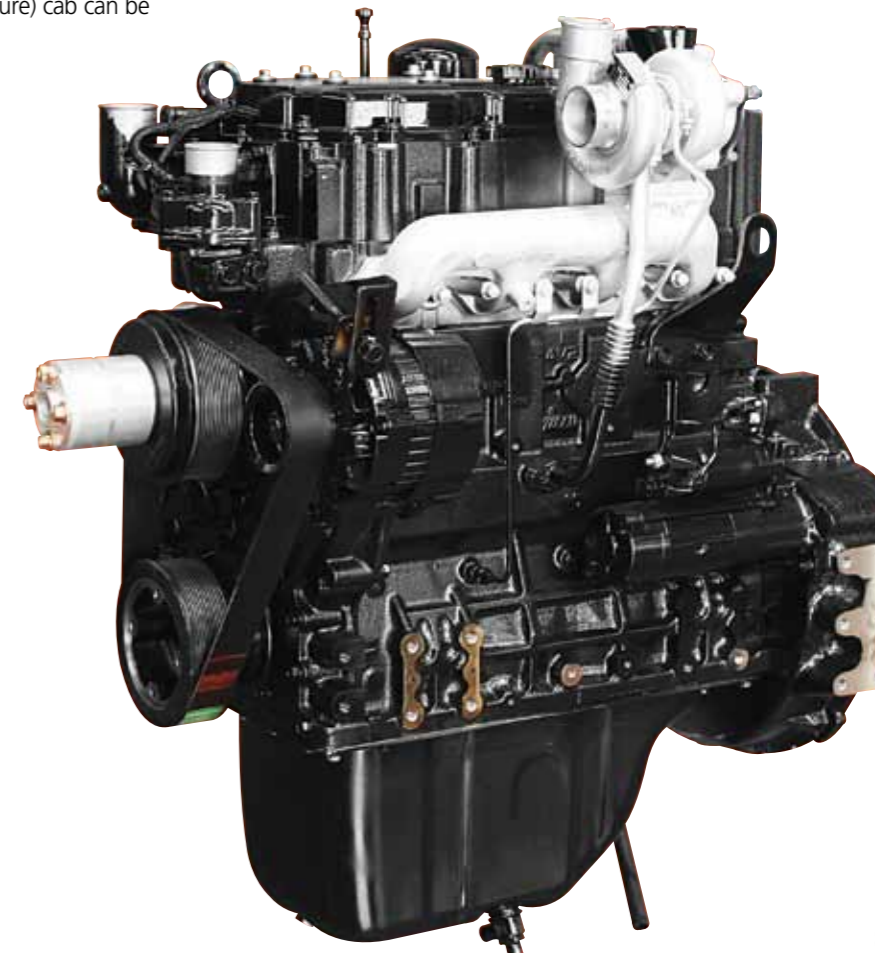
Mitsubishi D04FD-TAA Engine

The Tier III, four cylinder, 4 cycle, turbo-charged, charge air cooled, Mitsubishi D04FD-TAA 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.

Heavy-duty strength

Everyone who's ever worked on construction equipment knows, there is no substitute for power and durability. The D04FD-TAA handles the toughest loads and the roughest work conditions. At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation. Plus, the heavy-duty design of the D04FD-TAA engine block and components add reliability and durability you can count on every day, year after year.

Both fuel-efficiency and response are significantly enhanced with the Mitsubishi high pressure common rail fuel system. The system delivers high pressure injection, independent of engine speed, for optimum performance and flexibility at every rpm.



Profitability

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



Fuel Efficiency

9 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 9 series.

Long-Life Components

9 series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & 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.



*Photo may include optional equipment.

Specifications

ENGINE

MODEL		Mitsubishi D04FD-TAA	
Type		Water-cooled, 4-cycle Diesel, 4-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission	
Rated flywheel horse power	SAE	J1995 (gross)	119 HP (89 kW)/ 2,000 rpm
		J1349 (net)	113 HP (85 kW)/ 2,000 rpm
horse power	DIN	6271/1 (gross)	121 PS (89 kW)/ 2,000 rpm
		6271/1 (net)	115 PS (85 kW)/ 2,000 rpm
Max. torque		45.4 kgf-m (328 lbf-ft)/ 1,700 rpm	
Bore X stroke		102 x 130 mm (4.01" x 5.12")	
Piston displacement		4,249cc (259 in ³)	
Batteries		2 X 12V X 80AH	
Starting motor		24V- 5.0 kW	
Alternator		24V- 50 Amp	

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement piston pumps
Rated flow	2 X 123.5L/min (32.6 US gpm / 27.2 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 ² (4,978 psi)
Travel	350 kgf/cm ² (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,404 psi)
Swing circuit	285 kgf/cm ² (4,054 psi)
Pilot circuit	40 kgf/cm ² (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)	5.5 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	12.0 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Refilling	270.0	71.3	59.4
Fuel tank	15.5	4.1	3.4
Engine coolant	17.5	4.6	3.8
Engine oil	2.5	0.66	0.55
Swing device-gear oil	2.2	0.6	0.5
Final drive(each)-gear oil	210.0	55.5	46.2
Hydraulic system(including 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	2	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600mm (15' 1") boom, 2,500mm (8' 2") arm, SAE heaped 0.58m³ (0.76 yd³) 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)

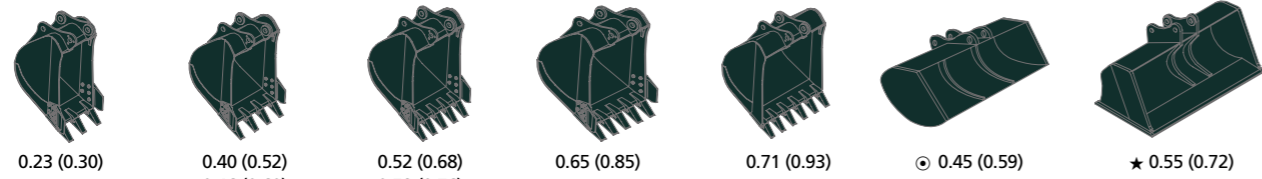
OPERATING WEIGHT				
Shoes	Operating weight		Ground pressure	
Type	Width mm (in)	kg(lb)	kgf/cm ² (psi)	
Triple grouser	500 mm (20")	R140LC-9	13,790(30,400)	0.43(6.11)
		R140LCD-9	14,590(32,160)	0.45(6.40)
	600 mm (24")	R140LC-9	13,980(30,820)	0.36(5.12)
		R140LCD-9	14,800(32,630)	0.38(5.40)
	700 mm (28")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

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.9kg refrigerant consisting of a CO₂ equivalent 1.29kg metric tonne. For more information, Please refer to the manual.

BUCKETS

All buckets are welded with high-strength steel.

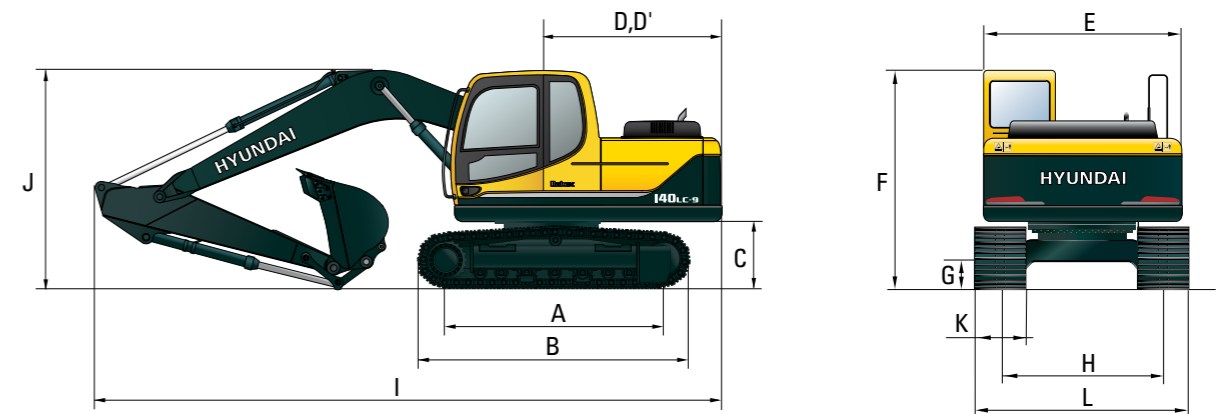


Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)								
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		4,600 (15' 1") Boom			4,100 (13' 5") Boom		4,900 (16' 1") Adjustable Boom			
					1,900 (6' 3") Arm	2,100 (6' 11") Arm	2,500 (8' 2") Arm	3,000 (9' 10") Arm	1,900 (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 /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

Dimensions & Working Range

R140LC-9 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")							

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.

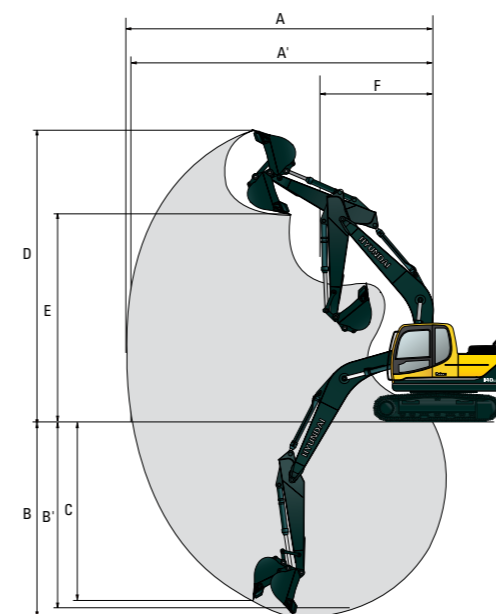
DIGGING FORCE

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

R140LC-9 WORKING RANGE

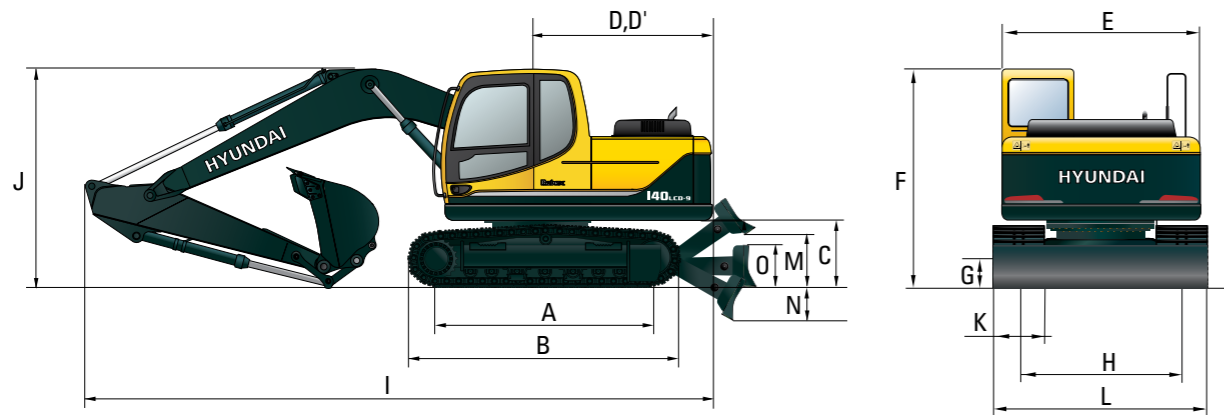
Unit : mm (ft-in)



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-9 DIMENSIONS



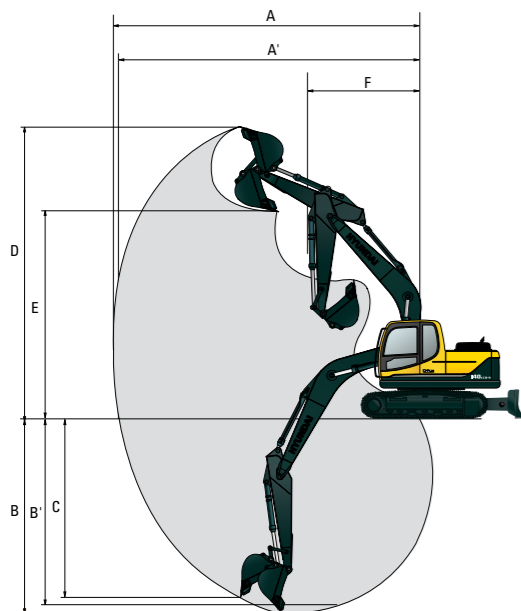
Unit : mm (ft-in)

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D' Rear-end length	2,330 (7' 7")
E Overall width of upperstructure	2,500 (8' 2")
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")

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	8,130 (26' 7")	8,160 (26' 7")	8,130 (26' 7")	8,100 (26' 6")	7,630 (25' 0")	7,660 (25' 1")
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")
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")			

R140LCD-9 WORKING RANGE

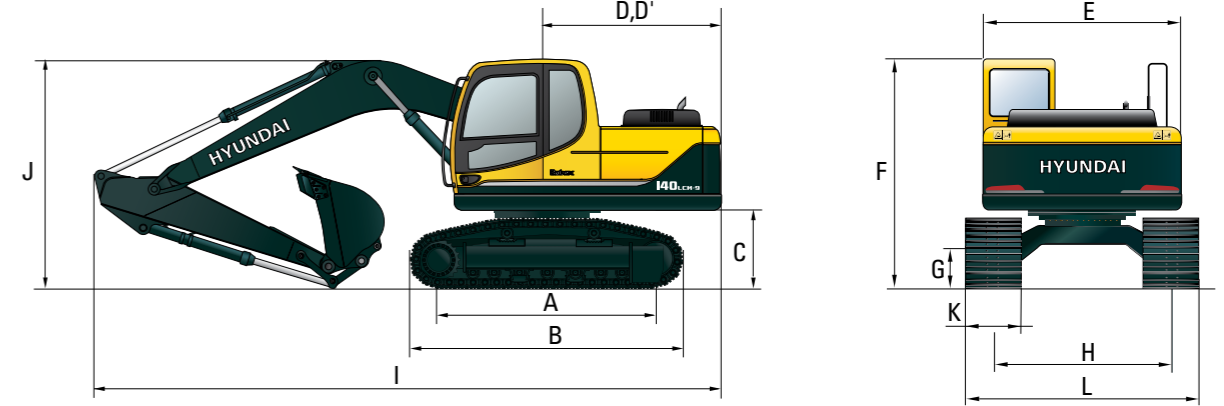
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Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
A Max. digging reach	7,750 (25' 5")	7,920 (25' 11")	8,330 (27' 4")	8,790 (28' 10")	7,260 (23' 10")	7,420 (24' 4")
A' Max. digging reach on ground	7,600 (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-9 DIMENSIONS



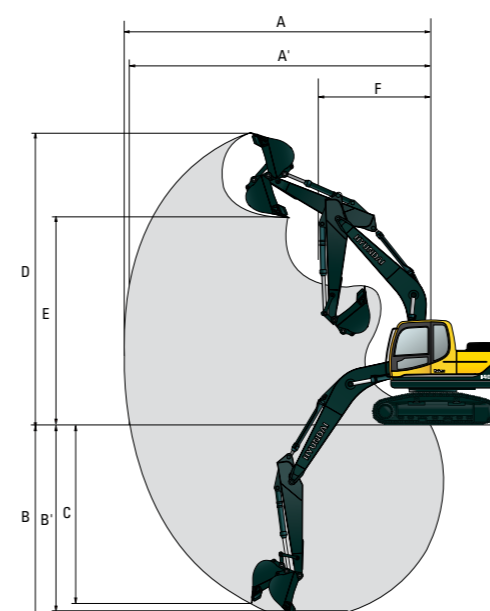
Unit : mm (ft-in)

A Tumbler distance	3,030 (9' 11")
B Overall length of crawler	3,860 (12' 4")
C Ground clearance of counterweight	1,200 (3' 9")
D Tail swing radius	2,330 (7' 7")
D' Rear-end length	2,330 (7' 7")
E Overall width of upperstructure	2,500 (8' 2")
F Overall height of cab	3,120 (10' 2")
G Min. ground clearance	600 (2' 0")
H Track gauge	2,040 (6' 8")

Boom length	4,600 (15' 1")			
Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
I Overall length	7,770 (25' 5")	7,830 (25' 7")	7,790 (25' 6")	7,860 (25' 8")
J Overall height of boom	2,750 (9' 0")	2,860 (9' 4")	2,830 (9' 3")	3,120 (10' 2")
K Track shoe width	Type	Double grouser	Triple grouser	Single grouser
	Width	710 (28")	800 (32")	960 (38")
L Overall width		2,750 (9' 0")	2,840 (9' 4")	3,000 (9' 10")

R140LCM-9 WORKING RANGE

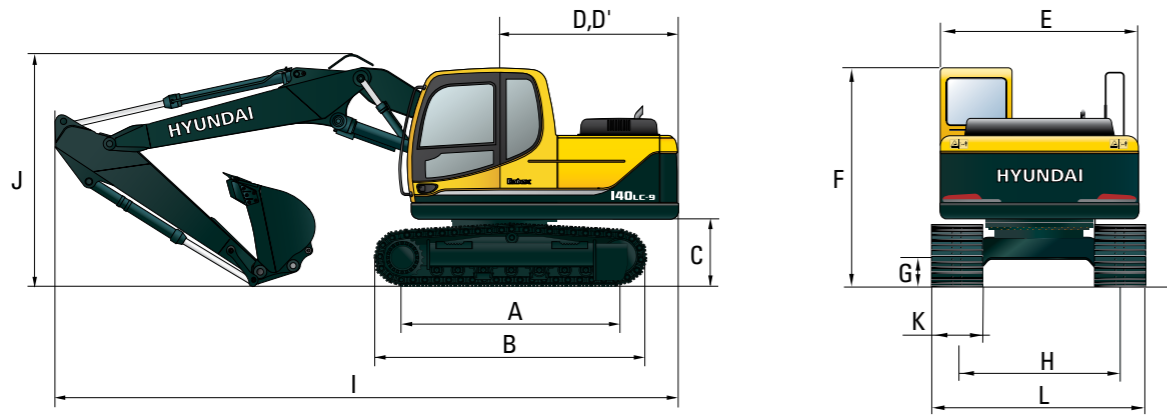
Unit : mm (ft-in)



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-9 ADJUSTABLE BOOM DIMENSIONS

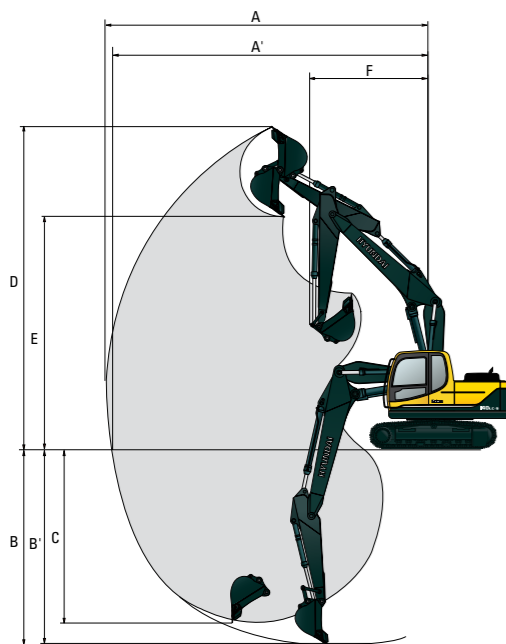


Unit : mm (ft-in)

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-9 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

R140LC-9

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 : 600mm(24") 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		
6.0 m (20 ft)	kg				*3340	*3340			*3170	2350	5.95	
	lb				*7360	*7360			*6990	5180	(19.5)	
4.5 m (15 ft)	kg				*3550	*3550			2820	1760	6.90	
	lb				*7830	*7830			6220	3880	(22.6)	
3.0 m (10 ft)	kg			*6270	*6270	*4440	3510	3480	2170	2480	1520	7.37
	lb			*13820	*13820	*9790	7740	7670	4780	5470	3350	(24.2)
1.5 m (5 ft)	kg			*8490	6040	5400	3270	3380	2080	2390	1450	7.45
	lb			*18720	13320	11900	7210	7450	4590	5270	3200	(24.4)
Ground	kg			*8230	5790	5200	3100	3300	2000	2510	1520	7.17
Line	lb			*18140	12760	11460	6830	7280	4410	5530	3350	(23.5)
-1.5 m (-5 ft)	kg	*6670	*6670	*9690	5800	5140	3050			2960	1810	6.48
	lb	*14700	*14700	*21360	12790	11330	6720			6530	3990	(21.3)
-3.0 m (-10 ft)	kg	*10970	*10970	*8330	5930	5220	3110			*3690	2670	5.15
	lb	*24180	*24180	*18360	13070	11510	6860			*8140	5890	(16.9)

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") 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		
6.0 m (20 ft)	kg								*2810	1920	6.69	
	lb								*6190	4230	(21.9)	
4.5 m (15 ft)	kg							*2770	2270	2440	1500	7.53
	lb							*6110	5000	5380	3310	(24.7)
3.0 m (10 ft)	kg			*4930	*4930	*3830	3570	*3380	2190	2170	1310	7.95
	lb			*10870	*10870	*8440	7870	*7450	4830	4780	2890	(26.1)
1.5 m (5 ft)	kg			*8030	6240	*5010	3300	3380	2070	2100	1250	8.03
	lb			*17700	13760	*11050	7280	7450	4560	4630	2760	(26.3)
Ground	kg			*8780	5800	5200	3090	3270	1970	2180	1300	7.77
Line	lb			*19360	12790	11460	6810	7210	4340	4810	2870	(25.5)
-1.5 m (-5 ft)	kg	*5740	*5740	*9910	5700	5080	2990	3220	1920	2500	1500	7.15
	lb	*12650	*12650	*21850	12570	11200	6590	7100	4230	5510	3310	(23.5)
-3.0 m (-10 ft)	kg	*8760	*8760	*9040	5770	5100	3000			3340	2030	6.01
	lb	*19310	*19310	*19930	12720	11240	6610			7360	4480	(19.7)
-4.5 m (-15 ft)	kg			*6590	6030							
	lb			*14530	13290							

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") 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				
6.0 m (20 ft)	kg							*1880	*1880		*2540	1650	7.25			
	lb							*4140	*4140		*5600	3640	(23.8)			
4.5 m (15 ft)	kg							*2570	2310		2180	1320	8.02			
	lb							*5670	5090		4810	2910	(26.3)			
3.0 m (10 ft)	kg					*3280	*3280	*3020	2210	*1660	1430	1960	1160	8.41		
	lb					*7230	*7230	*6660	4870	*3660	3150	4320	2560	(27.6)		
1.5 m (5 ft)	kg					*6980	6440	*4540	3350	3400	2080	*2190	1380	8.49		
	lb					*15390	14200	*10010	7390	7500	4590	*4830	3040	4170	2430	(27.9)
Ground	kg					*9240	5850	5210	3100	3260	1960	*2120	1330	1960	1140	8.25
Line	lb					*20370	12900	11490	6830	7190	4320	*4670	2930	4320	2510	(27.1)
-1.5 m (-5 ft)	kg	*5290	*5290	*9910	5650	5060	2960	3180	1890		2200	1290	7.67			
	lb	*11660	*11660	*21850	12460	11160	6530	7010	4170		4850	2840	(25.2)			
-3.0 m (-10 ft)	kg	*7720	*7720	*9440	5670	5030	2940	3180	1880		2800	1680	6.64			
	lb	*17020	*17020	*20810	12500	11090	6480	7010	4140		6170	3700	(21.8)			
-4.5 m (-15 ft)	kg	*11300	*11300	*7670	5850	*4890	3050									
	lb	*24910	*24910	*16910	12900	*10780	6720									

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping SAE 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

R140LCD-9

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 : 600mm(24") 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					*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
Line	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 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") 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									*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
Line	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 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") 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							*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
Line	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-9

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 : 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									*3310	*3310	
	lb									*7300	*7300	
4.5 m (15 ft)	kg									*3670	*3670	2640
	lb									*8090	*8090	*6240
3.0 m (10 ft)	kg					*6820	*6820	*4620	4090	*3860	2580	2880
	lb					*15040	*15040	*10190	9020	*8510	5690	6350
1.5 m (5 ft)	kg					*7800	7120	*5680	3850	3930	2480	2820
	lb					*17200	15700	*12520	8490	8660	5470	6220
Ground	kg					*8700	6940	6050	3700	3850	2410	3020
Line	lb					*19180	15300	13340	8160	8490	5310	6660
-1.5 m (-5 ft)	kg	*7330	*7330	*9540	6960	6010	3670					3630
	lb	*16160	*16160	*21030	15340	13250	8090					8000
-3.0 m (-10 ft)	kg			*7950	7130	*5200	3760					
	lb			*17530	15720	*11460	8290					

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m³ (0.76 yd³) 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									*2830	2180	6.87
	lb									*6240	4810	(22.5)
4.5 m (15 ft)	kg									*3040	*3040	*2930
	lb									*6700	*6700	*6460
3.0 m (10 ft)	kg					*5460	*5460	*4030	*4030	*3470	2590	2540
	lb					*12040	*12040	*8880	*8880	*7650	5710	5600
1.5 m (5 ft)	kg					*8460	7290	*5200	3880	3930	2480	2490
	lb					*18650	16070	*11460	8550	8660	5470	5490
Ground	kg	*3600	*3600	*8880	6920	6030	3680	3820	2380	2630	1630	7.70
Line	lb	*7940	*7940	*19580	15260	13290	8110	8420	5250	5800	3590	(25.3)
-1.5 m (-5 ft)	kg	*6200	*6200	*9840	6850	5940	3600	3780	2340	3050	1900	7.00
	lb	*13670	*13670	*21690	15100	13100	7940	8330	5160	6720	4190	(23.0)
-3.0 m (-10 ft)	kg	*9390	*9390	*8770	6960	*5760	3640					*3520
	lb	*20700	*20700	*19330	15340	*12700	8020					*7760

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m³ (0.76 yd³) 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											*2060	*2060	
	lb											*4540	*4540	
4.5 m (15 ft)	kg					</								

Lifting Capacity

R140LC-9 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 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") triple grouser

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

Boom : 4.9 m (16' 1") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") triple grouser

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

Boom : 4.9 m (16' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / Shoe : 600mm(24") 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							*2250 *4960	*2250 *4960			*2570 *5670	1660 3660	7.18 (23.6)
4.5 m (15 ft)	kg lb					*2700 *5950	*2700 *5950	*2710 *5970	2270 5000			2190 4830	1310 2890	7.96 (26.1)
3.0m (10 ft)	kg lb			*5070 *11180	*5070 *11180	*3660 *8070	3520 7760	*3120 *6880	2160 4760	*1900 *4190	1400 3090	1970 4340	1150 2540	8.35 (27.4)
1.5 m (5 ft)	kg lb			*7220 *15920	5960 13140	*4830 *10650	3200 7050	3350 7390	2020 4450	2300 5070	1350 2980	1900 4190	1100 2430	8.43 (27.7)
Ground	kg lb			*6040 *13320	5560 12260	5100 11240	2970 6550	3220 7100	1900 4190	2250 4960	1310 2890	1980 4370	1140 2510	8.19 (26.9)
-1.5 m (-5 ft)	kg lb	*4680 *10320	*4680 *10320	*8220 *18120	5510 12150	4990 11000	2880 6350	3160 6970	1850 4080			2230 4920	1300 2870	7.60 (24.9)
-3.0 m (-10 ft)	kg lb			*9010 *19860	5600 12350	5010 11050	2900 6390	3190 7030	1870 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.

STANDARD EQUIPMENT

- ISO Standard cabin
- All-weather steel cab with 360° visibility
- Safety glass windows
- Rise-up type windshield wiper
- Sliding side window(LH)
- Lockable door
- Hot & cool box
- Storage compartment & Ashtray
- Transparent cabin roof-cover
- Radio / USB Player
- 12 volt power outlet (24V DC to 12V DC converter)
- Handsfree mobile phone system with USB
- 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
- Fully adjustable suspension seat with seat belt
- Pilot-operated slidable joystick
- Console box height adjust system
- Four front working lights
- Electric horn
- Batteries (2 x 12V x 80 AH)
- Battery master switch
- Removable clean-out dust net for oil cooler
- Automatic swing brake
- Removable reservoir tank
- Fuel pre-filter with fuel warmer
- 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)

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"
- Climate control
- Air conditioner only
- Heater only
- 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 guard-front
- Wire net
- Fine net
- 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-9
- Double grousers shoe (710mm, 28"), R140LCM-9
- Single grousers shoe (960mm, 38"), R140LCM-9
- R140LCD-9 Blade : 550mm(1' 8") x 2,500mm(8' 2")
- 550mm(1' 8") x 2,600mm(8' 6")
- Lower frame under cover(Additional)
- Tool kit
- Operator suit
- Rearview camera
- Seat
- Adjustable air suspension seat
- Adjustable air suspension seat with heater
- Mechanical suspension seat
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management System)
- Air compressor

- * 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.