

MOVING YOU FURTHER

Robex
140LC-95

With Tier 2 Engine installed



*Photo may include optional equipment.

 **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-95

Machine Walk-Around



*Photo may include optional equipment.

Engine Technology

Proven / reliable, fuel efficient Cummins Tier II B3.9-C engine
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 valves, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

Improved visibility

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 Cab Construction

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling
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 / satellite technology

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 7 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

Preference

Operating a 50 Series machine to every operator. Operators can fully customize their work environment and adjust preferences to fit their individual needs.



*Photo may include optional equipment.



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.

Operator Comfort

In 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully 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 9S 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 is perfect for listening to music favorites.



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 were integrated into the cluster to make the machine more versatile and the operator more productive.



Precision

Innovative hydraulic system technologies make the 9S 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 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 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

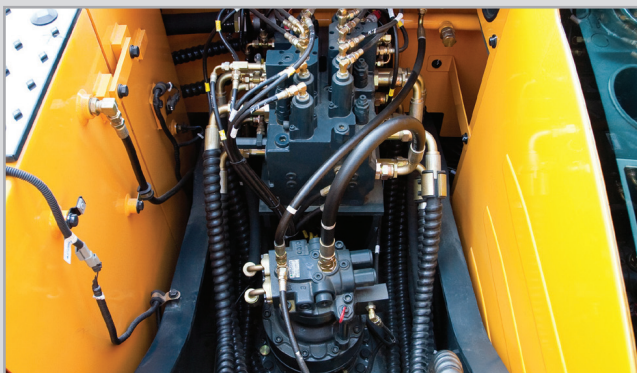


To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.

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 9S

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

95 Series is designed for maximum performance to keep the operator working productively.

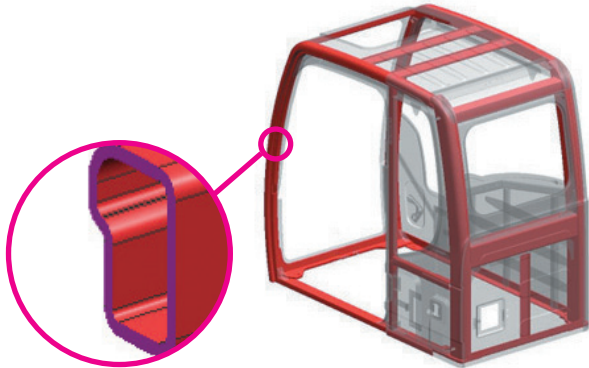


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Track Rail Guard & Adjusters

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



Structural Strength

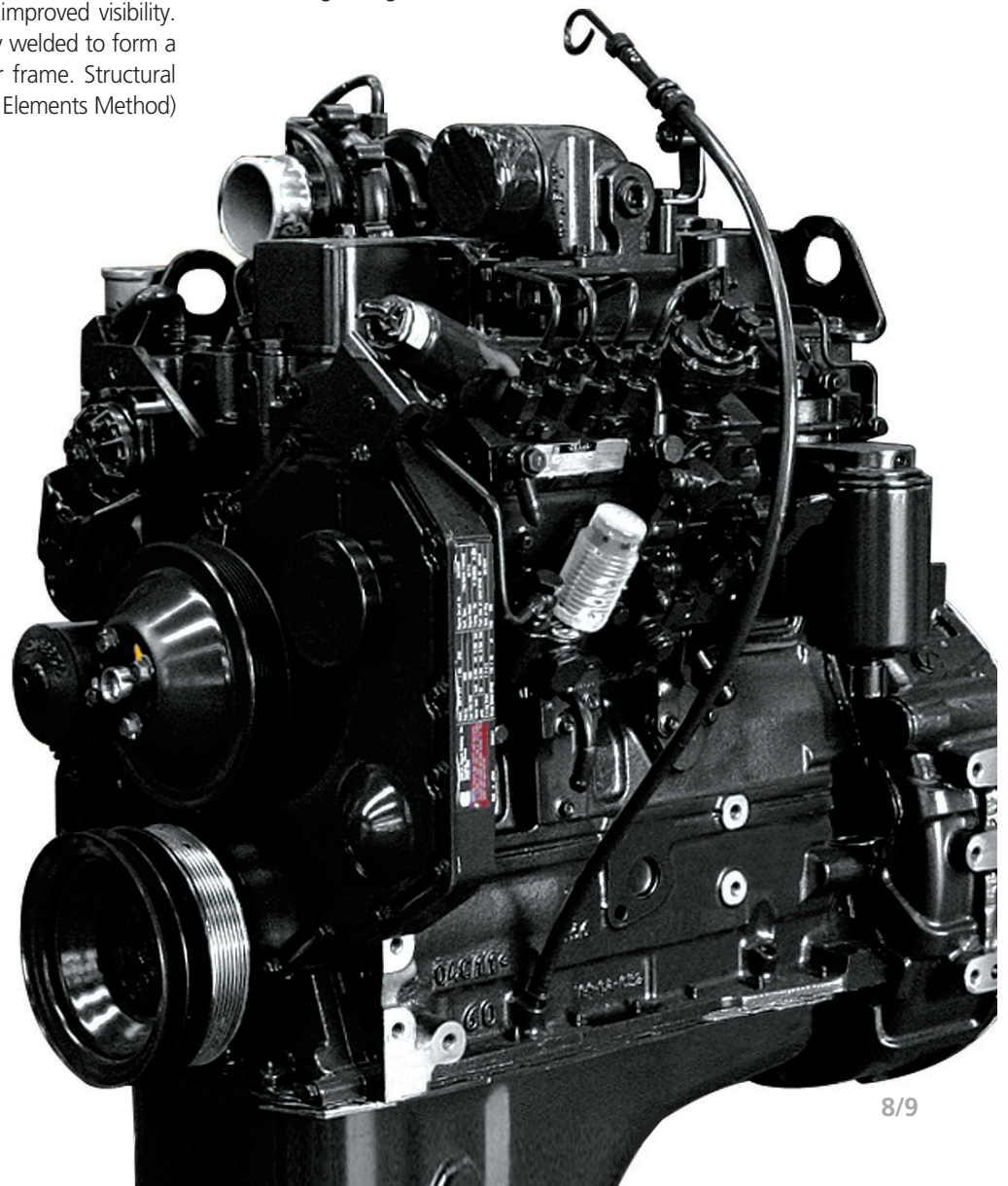
The 9S Series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis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

CUMMINS B3.9C ENGINE

The 4 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.



Profitability

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



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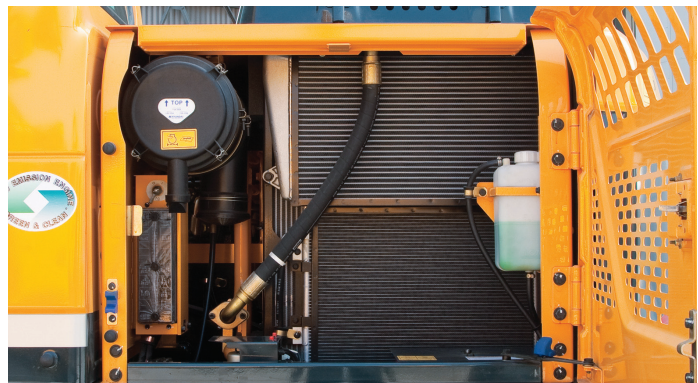


Hi-MATE (Remote Management System)

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.

Fuel Efficiency

9S Series excavators are engineered to be extremely fuel efficient. New innovations like two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



Easy Access

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



Extended Life Components

9S series excavators were designed with bushings designed for extended lube intervals (250hrs) & polymer shims (wear resistant, noise reducing), extended-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 downtime.

Specifications

ENGINE

MODEL	CUMMINS B3.9-C		
Type	Water cooled, 4 cycle Diesel, 4-cylinders in line, direct injection, turbocharged, charger air cooled, low emission		
Rated flywheel horsepower	SAE	J1995 (gross)	113 HP (84kW) 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 (330lb-ft) / 1,500 rpm		
Bore X stroke	102 mm X 120 mm (4.02" X 4.72")		
Piston displacement	3,900cc (238 in ³)		
Batteries	2 X 12V X 80AH		
Starting motor	24V, 4.5 kW		
Alternator	24V, 70 Amp		

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Rated flow	2 X 126.8L /min (33.5 US gpm / 27.9 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 32.6")
	Blade: 2-100 X 250 mm (3.9" X 9.8")

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)	5.6 km/hr (3.5 mph) / 3.6 km/hr (2.2 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	13 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Refilling			
Fuel tank	270.0	71.3	59.4
Engine coolant	15.5	4.1	3.4
Engine oil	15.3	4.0	3.4
Swing device-gear oil	2.5	0.66	0.55
Final drive(each)-gear oil	2.2	0.60	0.50
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 triple grouser shoes.

	R140LC-9S / R140LCD-9S	R140LCM-9S
Center frame	X - leg type	
Track frame	Pentagonal box type	
No. of shoes on each side	46 EA	47 EA
No. of carrier roller on each side	2 EA	2 EA
No. of track roller on each side	7 EA	7 EA
No. of rail guard on each side	1 EA	2 EA

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	Type	Width mm(in)	Operating weight		Ground pressure
			kg (lb)	kgf/cm ² (psi)	
Triple grouser	500 mm (20")	500 mm (20")	R140LC-9S	13,790 (30,400)	0.43 (6.11)
			R140LCD-9S	14,590 (32,160)	0.45 (6.40)
	600 mm (24")	600 mm (24")	R140LC-9S	13,980 (30,820)	0.36 (5.12)
			R140LCD-9S	14,800 (32,630)	0.38 (5.40)
700 mm (28")	700 mm (28")	R140LC-9S	14,210 (31,330)	0.32 (4.55)	
		R140LCM-9S	16,880 (37,210)	0.32 (4.55)	
Double grouser	710 mm (28")	710 mm (28")	R140LCM-9S	16,880 (37,210)	0.36 (5.12)
Single grouser	960 mm (38")	960 mm (38")	R140LCM-9S	17,080 (37,655)	0.27 (3.84)

AIR CONDITIONING SYSTEM

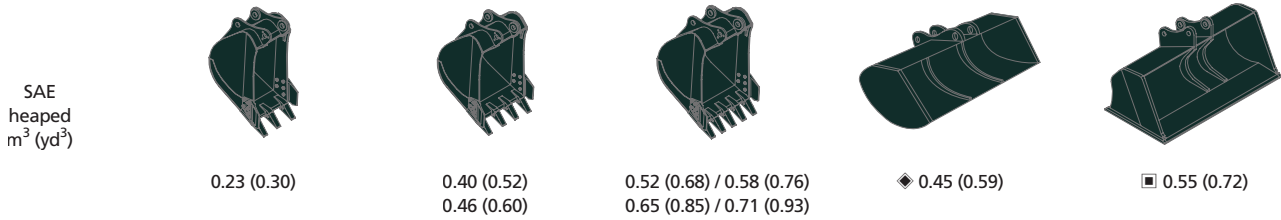
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)

The system hold 0.75kg refrigerant consisting of a CO₂ equivalent 1.07kg metric tonne.

For more information, Please refer to the manual.

BUCKETS

All buckets are welded with high-strength steel.



Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)					
SAE heaped	CECE heaped	Without side cutters	With side cutters		4,600 (15' 1") Boom				4,100 (13' 5") 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
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
- Heavy duty 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

ATTACHMENT

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

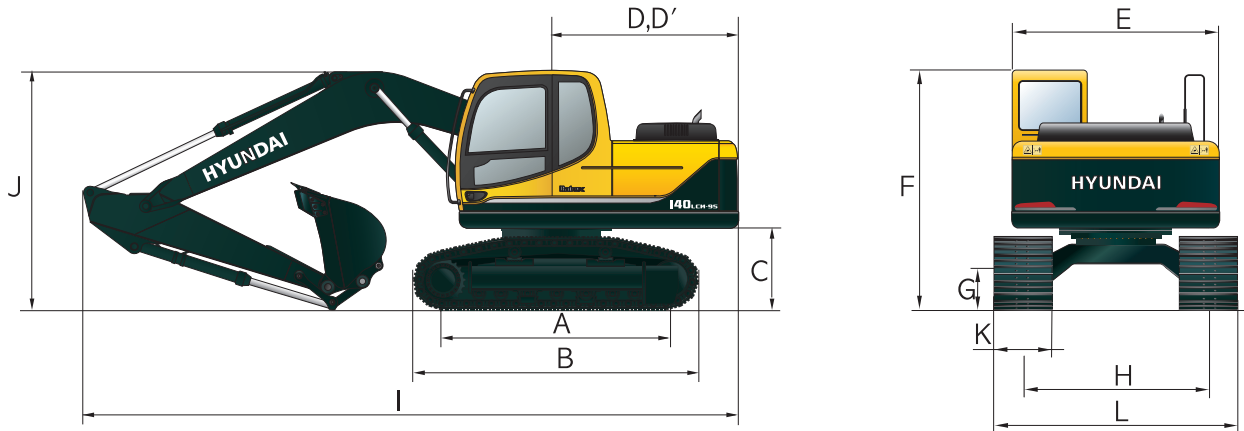
DIGGING FORCE

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-9S DIMENSIONS

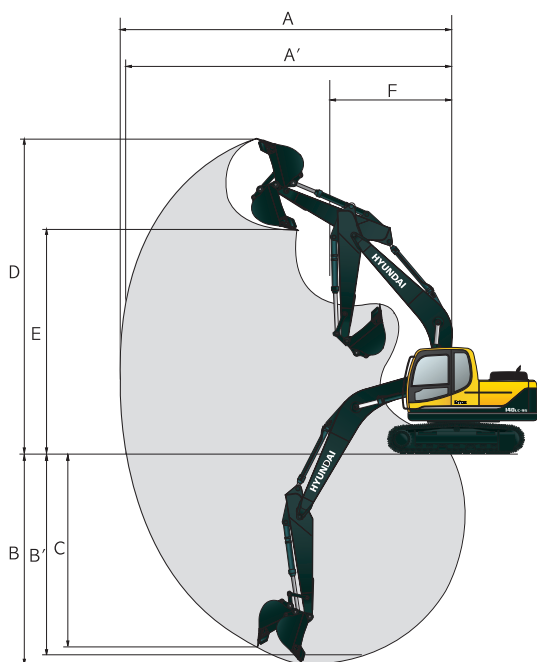


Unit : mm (ft-in)

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-9S WORKING RANGE

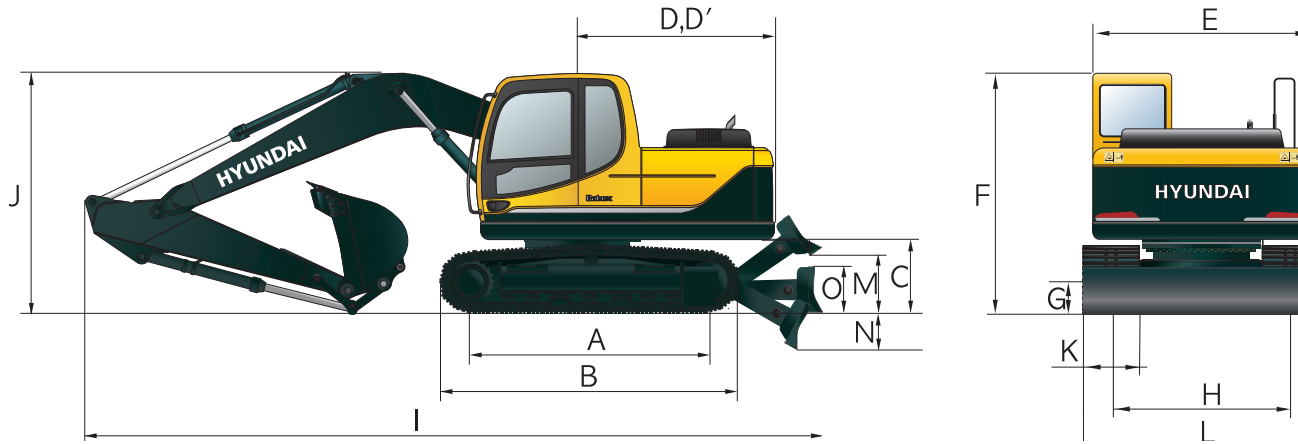
Unit : mm (ft-in)



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-9S DIMENSIONS

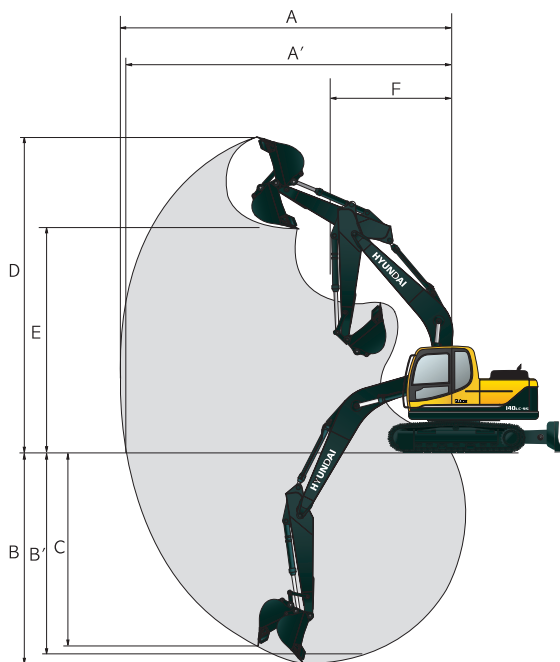


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B	Overall length of crawler	3,750 (12' 4")	Arm length				1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	1,900 (6' 3")	2,100 (6' 11")
C	Ground clearance of counterweight	940 (3' 1")	I				8,130 (26' 7")		8,160 (26' 7")		8,130 (26' 7")	
D	Tail swing radius	2,330 (7' 7")	J				2,650 (8' 7")		2,760 (9' 0")		2,780 (9' 1")	
D'	Rear-end length	2,330 (7' 7")	K				500 (20")		600 (24")		700 (28")	
E	Overall width of upperstructure	2,500 (8' 2")	L				2,500 (8' 2")		2,600 (8' 6")		2,700 (8' 10")	
F	Overall height of cab	2,860 (9' 4")	M				560 (1' 8")					
G	Min. ground clearance	440 (1' 5")	N				500 (1' 6")					
H	Track gauge	2,000 (6' 7")	O				550 (1' 8")					
M	Ground clearance of blade up	560 (1' 8")	Width of blade				2,500 (8' 2")		2,600 (8' 6")			
N	Depth of blade down	500 (1' 6")										
O	Height of blade	550 (1' 8")										

R140LCD-9S WORKING RANGE

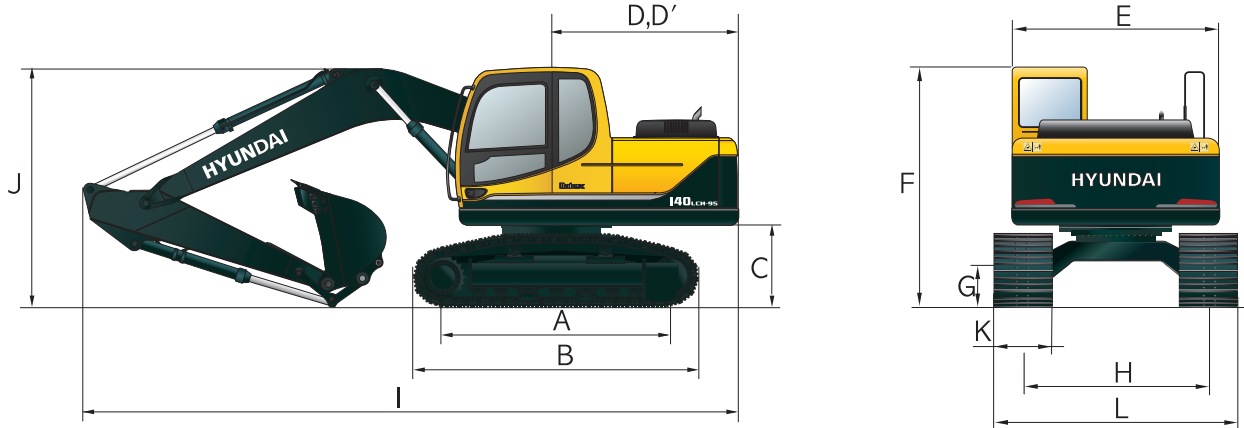
Unit : mm (ft. in)



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-9S DIMENSIONS

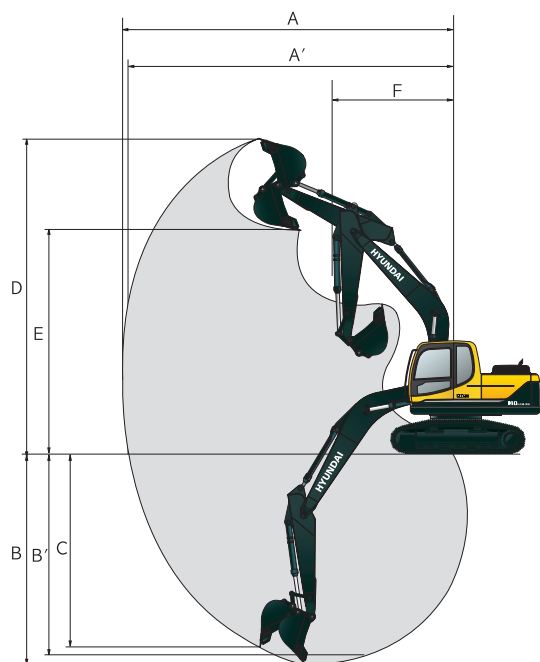


Unit : mm (ft-in)

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	2,750 (9' 0")	2,860 (9' 4")	2,830 (9' 3")	3,120 (10' 2")
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")						
			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-9S 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")	

Lifting Capacity











R140LC-9S

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

Boom : 4.6 m (15' 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		
		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					*3090 *6810	*3090 *6810			*3030 *6680	2210 4870	6.17 (20.2)
4.5 m (15 ft)	kg lb					*3340 *7360	*3340 *7360	*2900 *6390	2240 4940	2700 5950	1680 3700	7.09 (23.3)
3.0 m (10 ft)	kg lb			*5810 *12810	*5810 *12810	*4230 *9330	3530 7780	3490 7690	2170 4780	2380 5250	1450 3200	7.54 (24.7)
1.5 m (5 ft)	kg lb			*8760 *19310	6090 13430	*5340 *11770	3270 7210	3370 7430	2070 4560	2290 5050	1380 3040	7.62 (25.0)
Ground Line	kg lb			*8470 *18670	5770 12720	5180 11420	3080 6790	3280 7230	1980 4370	2400 5290	1440 3170	7.35 (24.1)
-1.5 m (-5 ft)	kg lb	*6370 *14040	*6370 *14040	*9780 *21560	5740 12650	5110 11270	3010 6640	3250 7170	1950 4300	2800 6170	1700 3750	6.68 (21.9)
-3.0 m (-10 ft)	kg lb	*10300 *22710	*10300 *22710	*8590 *18940	5850 12900	5160 11380	3060 6750			*3700 *8160	2430 5360	5.41 (17.7)

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

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. 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.
3. The load point is a hook located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R140LCD-9S



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

BBoom : 4.6 m (15' 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		
		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					*3090 *6810	*3090 *6810			*3030 *6680	2340 5160	6.17 (20.2)
4.5 m (15 ft)	kg lb					*3340 *7360	*3340 *7360	*2900 *6390	2370 5220	2940 6480	1790 3950	7.09 (23.3)
3.0m (10 ft)	kg lb			*5810 *12810	*5810 *12810	*4230 *9330	3720 8200	*3650 *8050	2310 5090	2600 5730	1550 3420	7.54 (24.7)
1.5 m (5 ft)	kg lb			*8760 *19310	6430 14180	*5340 *11770	3460 7630	3670 8090	2200 4850	2510 5530	1480 3260	7.62 (25.0)
Ground Line	kg lb			*8470 *18670	6110 13470	5630 12410	3270 7210	3580 7890	2120 4670	2630 5800	1550 3420	7.35 (24.1)
-1.5 m (-5 ft)	kg lb	*6370 *14040	*6370 *14040	*9780 *21560	6080 13400	5550 12240	3200 7050	3550 7830	2090 4610	3060 6750	1810 3990	6.68 (21.9)
-3.0 m (-10 ft)	kg lb	*10300 *22710	*10300 *22710	*8590 *18940	6190 13650	5610 12370	3250 7170			*3700 *8160	2580 5690	5.41 (17.7)

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

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

2. 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.

3. The load point is a hook located on the back of the bucket.











4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity











R140LCM-9S

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

Boom : 4.6 m (15' 1") / Arm : 2.1 m (6' 11") / 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					*3070	*3070			*3040	2480	6.37
	lb					*6770	*6770			*6700	5470	(20.9)
4.5 m (15 ft)	kg					*3450	*3450	*3210	2660	3070	1960	7.19
	lb					*7610	*7610	*7080	5860	6770	4320	(23.6)
3.0 m (10 ft)	kg			*6340	*6340	*4410	4100	*3720	2580	2770	1740	7.58
	lb			*13980	*13980	*9720	9040	*8200	5690	6110	3840	(24.9)
1.5 m (5 ft)	kg			*9010	7160	*5510	3850	3920	2470	2710	1690	7.60
	lb			*19860	15790	*12150	8490	8640	5450	5970	3730	(24.9)
Ground Line	kg			*8820	6900	6020	3680	3840	2390	2880	1800	7.27
	lb			*19440	15210	13270	8110	8470	5270	6350	3970	(23.9)
-1.5 m (-5 ft)	kg	*6960	*6960	*9650	6900	5970	3630	3820	2380	3420	2150	6.51
	lb	*15340	*15340	*21270	15210	13160	8000	8420	5250	7540	4740	(21.4)
-3.0 m (-10 ft)	kg	*11130	*11130	*8250	7050	*5430	3700			*3630	3210	5.10
	lb	*24540	*24540	*18190	15540	*11970	8160			*8000	7080	(16.7)

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	2690	2790	1770	7.63
	lb					*6700	*6700	*6460	5930	6150	3900	(25.0)
3.0 m (10 ft)	kg			*5460	*5460	*4030	*4030	*3470	2590	2540	1590	7.99
	lb			*12040	*12040	*8880	*8880	*7650	5710	5600	3510	(26.2)
1.5 m (5 ft)	kg			*8460	7290	*5200	3880	3930	2480	2490	1540	8.01
	lb			*18650	16070	*11460	8550	8660	5470	5490	3400	(26.3)
Ground Line	kg	*3600	*3600	*8880	6920	6030	3680	3820	2380	2630	1630	7.70
	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	5250	6720	4190	(23.0)
-3.0 m (-10 ft)	kg	*9390	*9390	*8770	6960	*5760	3640			*3520	2650	5.10
	lb	*20700	*20700	*19330	15340	*12700	8020			*7760	5840	(18.8)

- 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 fold-in front window
Sliding side window(LH)
Lockable door
Hot & cool box
Storage compartment & Ashtray
Radio & USB player
Cabin roof-steel cover
12 volt power outlet (24V DC to 12V DC converter)
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
Two outside rearview mirrors
Fully adjustable suspension seat with seat belt
Pilot-operated slidable joystick
Four front working lights (2 boom mounted, 2 front frame mounted)
Electric horn
Batteries (2 x 12V x 80 AH)
Battery master switch
Removable clean-out screen for oil cooler
Automatic swing brake
Removable reservoir tank
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)

OPTIONAL EQUIPMENT

Fuel filler pump (35 L/min)
Beacon lamp
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"
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 guard-Front
Wire net
Fine net
Cabin lights
Cabin front window rain guard
Sun visor
Track shoes
Triple grousers shoe (500mm, 20"), R140LCD-9S
Triple grousers shoe (700mm, 28")
Triple grousers shoe (800mm, 32"), R140LCM-9S
Double grousers shoe (710mm, 28"), R140LCM-9S
Single grousers shoe (960mm, 38"), R140LCM-9S
Full track rail guard
R140LCD-9S Blade : 550mm(1' 8") x 2,500mm(8' 2")
550mm(1' 8") x 2,600mm(8' 6")
Pre-heating system, coolant
Lower frame under cover (Additional)
Tool kit
Operator suit
Rearview camera
Seat
Mechanical suspension seat with heater
Hi-mate (Remote Management System)
Fuel warmer
Air compressor
Safety lock valve for Boom cylinder
Safety lock valve for Arm cylinder

- * 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

