

**Robex** Equipped with EU Stage IIIB Engine

# 125LCR-9A

MOVING YOU FURTHER

**HYUNDAI HEAVY INDUSTRIES**



\*Photo may include optional equipment.

 **HYUNDAI**

# PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, optimal controllability, versatile machine settings and proven technology.

*Be proud of your work with Hyundai!*



\*Photo may include optional equipment.

# Robex I25LCR-9A

## Machine Walk-Around

### Engine Technology

Low emission, complies Tier 4 Interim & EU Stage III B regulation  
Low noise, meet EU 2nd noise regulation

### 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 Operators' 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

#### Rigid Cabin 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 Seat & Console

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 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, 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 / Greasetype track tensioner



# 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 work 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.

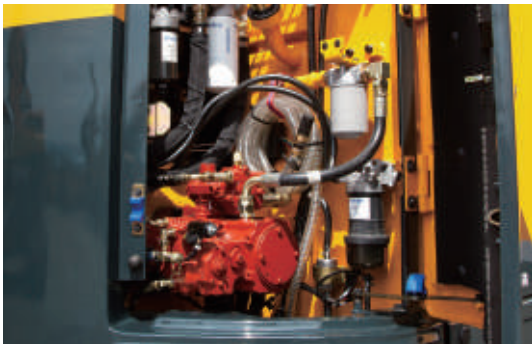
The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled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

## Hydraulic System Improvements



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 vs. Swing Priority

This smart function adapts the ideal hydraulic flow balance for the boom and swing operation for your application. The advanced CAPO system monitors the hydraulic operations and adjusts the balance 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 tracks in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.



## 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

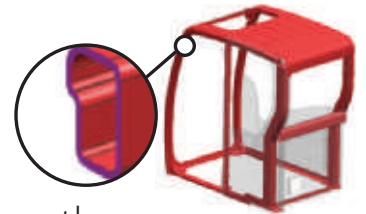
Using DPF (Diesel Particulate Filter) enables uncompromised, fuel economy and reduced cooling pack size, because the engine calibration does not solely need to be focussed on low particulates. By using mainly passive regeneration and low back pressure aftertreatment designs fuel economy is not negatively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

### Integrated aftertreatment without operating impact

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

### 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.



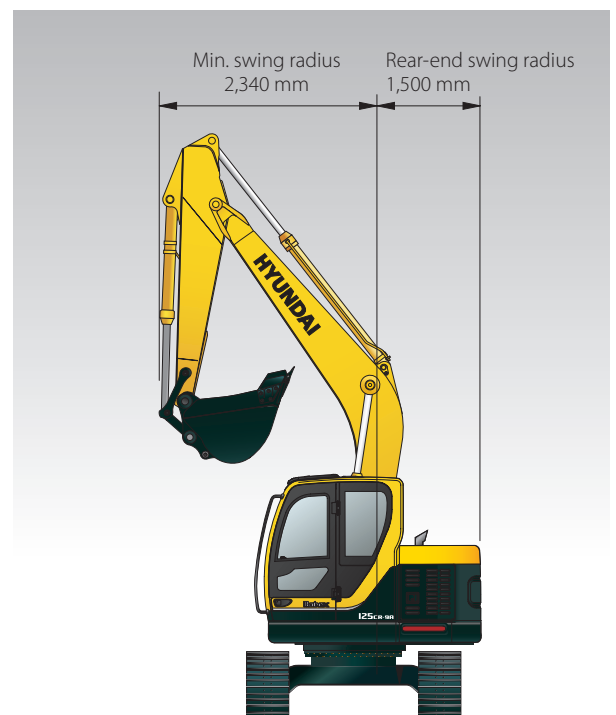
## Structural Strength

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.

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

## Excellent Performance in Confined Areas

R125LCR-9A's short (1,500 mm) tail swing radius allows the operator work in confined areas like close to buildings on roadways, and in urban areas. This Compact radius design provides easy and efficient operation in any limited space work environment.



# 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.



## Spacious Cabin with Excellent Visibility

The spacious cabin is ergonomically designed with low noise levels and high visibility. Special attention was paid to create a clear, open and convenient interior with excellent visibility in all directions. This well balanced operators' environment 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 integrated with console absorb console vibration by seat suspension and reduce operator's fatigue. 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.



## Stressless

Work is stressful enough; your working environment should be stressless. Hyundai's 9A series provides improved cabin interior, additional space and a comfortable seat to minimize the stress of the operator. A powerful climate control system provides the operator with his preferred air temperature. An advanced audio system with AM/FM stereo and MP3 capabilities, plus remote controls is installed to listen to your preferred music favorites. Operators can even call while operating with the hands-free mobile phone feature.



## Smart Key System

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 with Touch 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.

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



# PROFITABILITY

9A series machines are designed to maximize profitability through improved fuel efficiency, enhanced service features and long-lasting components.



\*Photo may include optional equipment.



## Hi-mate (Remote Management System)

Hi-mate, Hyundai's newly developed remote management system, using GPS-satellite technology, provides our customers with the highest level of service and product support. Hi-mate enables machine owners to follow-up machine performance, to verify machine location and to access diagnostic information on a distance through any internet connection.

## Fuel Efficiency

9A series excavators are developed to do more work with less fuel. Innovations like the variable speed fan, three-stage auto decel system and the new economy mode are saving fuel and reducing the impact on the environment.



## Easy Access

Access from ground level to filters, lubrication fittings, fuses, drains and machine computer components, combined with wide open compartments makes service more convenient on the 9A series.



## Extended Life of Components

New long-life bushings are designed for extended lubrication intervals. Wear resistant polymer shims reduce noise and reduce wear of bushings. Extended-life hydraulic filters last up to 1,000 hrs. New long-life hydraulic oil need only be changed every 5,000 hrs.

# Specifications R125LCR-9A

## ENGINE

MODEL	PERKINS 1204E	
Type	Water cooled, 4 cycle Diesel, 4-cylinders in line, direct injection, turbocharged, charged air cooled and low emission	
Rated flywheel horse power		
SAE	J1995 (gross)	100 HP (74.6 kW) / 1,950 rpm
	J1349 (net)	92 HP (68.4 kW) / 1,950 rpm
DIN	6271/1 (gross)	101 PS (74.6 kW) / 1,950 rpm
	6271/1 (net)	93 PS (68.4 kW) / 1,950 rpm
Max. torque	45.9 kgf.m (322 lbf.ft)/ 1,400 rpm	
Bore x stroke	105 x 127 mm (4.1" x 5.0")	
Piston displacement	4,400 cc (268.5 in <sup>3</sup> )	
Batteries	2 x 12 V x 100 Ah	
Starting motor	24 V - 4.5 kW	
Alternator	24 V - 85 A	

\* This engine meets the EPA (Tier 4 interim) / EU (Stage III-B) Emission regulation.

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axial piston pumps
Max. flow	2 x 135 l/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 piston 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> (4,980 psi)
Travel	350 kgf/cm <sup>2</sup> (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,410 psi)
Swing circuit	285 kgf/cm <sup>2</sup> (4,050 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder-bore x stroke	Boom: 2-105 x 1,105 mm (4.1" x 43.5")
	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")
	2PC-boom 1st: 2-105 x 995 mm (4.1" x 39.2")
	2nd: 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	10,300 kgf (22,710 lbf)
Max. travel speed (high) / (low)	6.1 km/hr (3.8 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 piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	12.6 rpm

## COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Fuel tank	210	61.3	51.0
Engine coolant	14.5	2.8	2.3
Engine oil	10.5	2.8	2.3
Swing device-gear oil	3.4	0.9	0.7
Final drive (each)-gear oil	2.5	0.7	0.5
Hydraulic system (including tank)	188	49.7	41.4
Hydraulic tank	79	20.9	17.4

## 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.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	43 EA
No. of carrier rollers on each side	1 EA
No. of track rollers on each side	6 EA
No. of rail guards on each side	1 EA

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,300 mm (14' 1") boom, 2,260 mm (7' 5") arm, SAE heaped 0.40 m<sup>3</sup> (0.52 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	6,950 kg (15,320 lb)
4.3 m (14' 1") mono boom (with arm cylinder)	950 kg (2,090 lb)

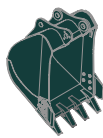
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm <sup>2</sup> (psi)
Triple grouser	500 (20")	R125LCR-9A	12,500 (27,560) 0.42 (5.91)
		R125LCR-9A (Dozer type)	13,200 (29,100) 0.44 (6.24)
	600 (24")	R125LCR-9A	12,650 (27,890) 0.35 (4.98)
		R125LCR-9A (Dozer type)	13,350 (29,430) 0.37 (5.26)
	700 (28")	R125LCR-9A	12,800 (28,220) 0.30 (4.27)
		R125LCR-9A (Dozer type)	13,500 (29,760) 0.32 (4.55)

## BUCKETS R125LCR-9A

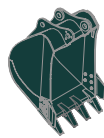
All buckets are welded with high-strength steel.



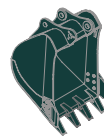
0.30 (0.39)



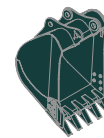
0.40 (0.52)



0.45 (0.59)



0.50 (0.65)



0.59 (0.77)

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

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)		
SAE heaped	CECE heaped	Without side cutters	With side cutters		4,300 (14' 1") Boom		
					1,960 (6' 5") Arm	2,260 (7' 5") Arm	2,810 (9' 3") Arm
0.30 (0.39)	0.27 (0.35)	610 (24.0)	720 (28.3)	360 (790)	●	●	●
0.40 (0.52)	0.44 (0.58)	760 (29.9)	870 (34.3)	410 (900)	●	●	●
0.45 (0.59)	0.40 (0.52)	830 (32.7)	940 (37.0)	430 (950)	●	●	■
0.50 (0.65)	0.45 (0.59)	900 (35.4)	1,010 (39.8)	450 (990)	●	■	▲
0.59 (0.77)	0.52 (0.68)	1,020 (40.2)	1,130 (44.5)	490 (1,080)	■	▲	—

- : 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 R125LCR-9A

Booms and arms are welded, a low-stress, full-box section design.

4.3 m (14' 1") boom and 1.96 m (6' 5"); 2.26 m (7' 5") & 2.81 m (9' 3") arms are available.

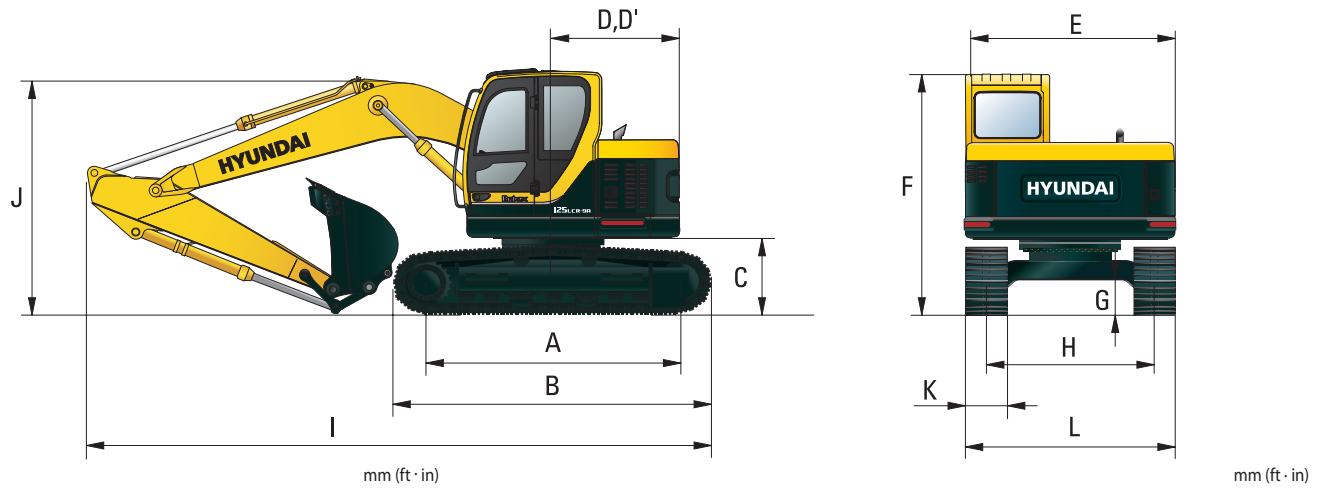
## DIGGING FORCE R125LCR-9A

Boom	Length	mm (ft.in)	4,300 (14' 1")			Remarks:
	Weight	kg (lb)	950 (2,090)			
Arm	Length	mm (ft.in)	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")	[ ]: Power Boost
	Weight	kg (lb)	320 (710)	340 (750)	400 (880)	
Bucket digging force	SAE	kN	78.5 [85.6]	78.5 [85.6]	78.5 [85.6]	
		kgf	8,000 [8,730]	8,000 [8,730]	8,000 [8,730]	
		lbf	17,640 [19,240]	17,640 [19,240]	17,640 [19,240]	
	ISO	kN	90.2 [98.4]	90.2 [98.4]	90.2 [98.4]	
		kgf	9,200 [10,040]	9,200 [10,040]	9,200 [10,040]	
		lbf	20,280 [22,120]	20,280 [22,120]	20,280 [22,120]	
Arm crowd force	SAE	kN	60.2 [65.7]	55.7 [60.8]	48.1 [52.4]	
		kgf	6,140 [6,700]	5,680 [6,200]	4,900 [5,350]	
		lbf	13,540 [14,770]	12,520 [13,660]	10,800 [11,780]	
	ISO	kN	62.9 [68.6]	58.1 [63.3]	49.7 [54.2]	
		kgf	6,410 [6,990]	5,920 [6,460]	5,070 [5,530]	
		lbf	14,130 [15,410]	13,050 [14,240]	11,180 [12,200]	

Note: Boom weight includes arm cylinder, piping and pin  
Arm weight includes bucket cylinder, linkage and pin

# Dimensions & Working Ranges

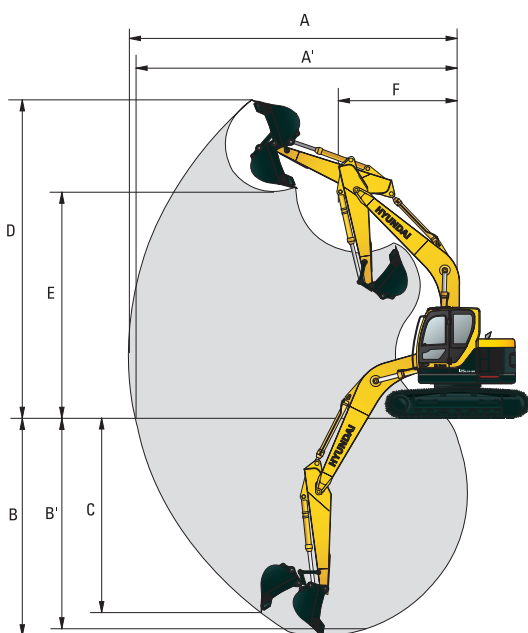
## DIMENSIONS R125LCR-9A



mm (ft · in)		mm (ft · in)			
<b>A</b> Tumbler distance	2,780 (9' 2")	Boom length	4,300 (14' 1")		
<b>B</b> Overall length of crawler	3,680 (12' 1")	Arm length	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")
<b>C</b> Ground clearance of counterweight	890 (2' 10")	<b>I</b> Overall length	6,840 (22' 5")	6,860 (22' 6")	6,800 (22' 3")
<b>D</b> Tail swing radius	1,500 (4' 10")	<b>J</b> Overall height of boom	2,530 (8' 3")	2,740 (9' 0")	3,010 (10' 1")
<b>D'</b> Rear-end length	1,500 (4' 10")	<b>K</b> Track shoe width	500 (20")	600 (24")	700 (28")
<b>E</b> Overall width of upperstructure	2,490 (8' 2")	<b>L</b> Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")
<b>F</b> Overall height of cab	2,900 (9' 6")				
<b>G</b> Min. ground clearance	440 (1' 5")				
<b>H</b> Track gauge	1,990 (6' 6")				

## WORKING RANGES R125LCR-9A

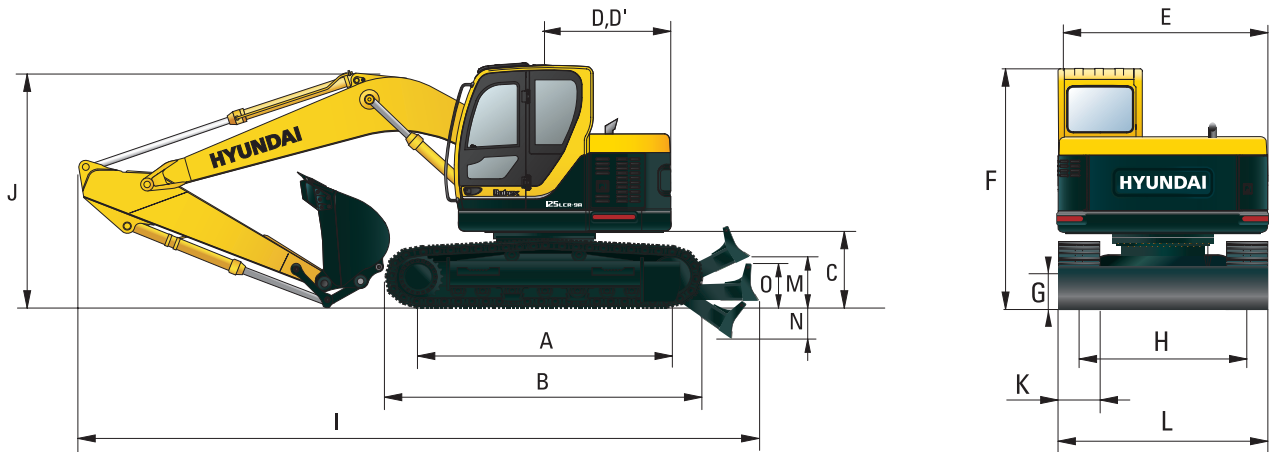
mm (ft · in)



Boom length	4,300 (14' 1")		
Arm length	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")
<b>A</b> Max. digging reach	7,420 (24' 4")	7,700 (25' 3")	8,230 (27' 0")
<b>A'</b> Max. digging reach on ground	7,270 (23' 10")	7,560 (24' 10")	8,090 (26' 6")
<b>B</b> Max. digging depth	4,760 (15' 7")	5,060 (16' 7")	5,610 (14' 0")
<b>B'</b> Max. digging depth (8° level)	4,500 (14' 9")	4,830 (15' 10")	5,420 (17' 8")
<b>C</b> Max. vertical wall digging depth	4,140 (13' 7")	4,410 (14' 6")	4,970 (16' 3")
<b>D</b> Max. digging height	7,910 (25' 11")	8,100 (26' 7")	8,480 (27' 9")
<b>E</b> Max. dumping height	5,550 (18' 3")	5,740 (18' 10")	6,120 (20' 1")
<b>F</b> Min. front swing radius	2,280 (7' 6")	2,340 (7' 8")	2,460 (8' 1")

# Dimensions & Working Ranges

## DIMENSIONS R125LCR-9A (DOZER TYPE)



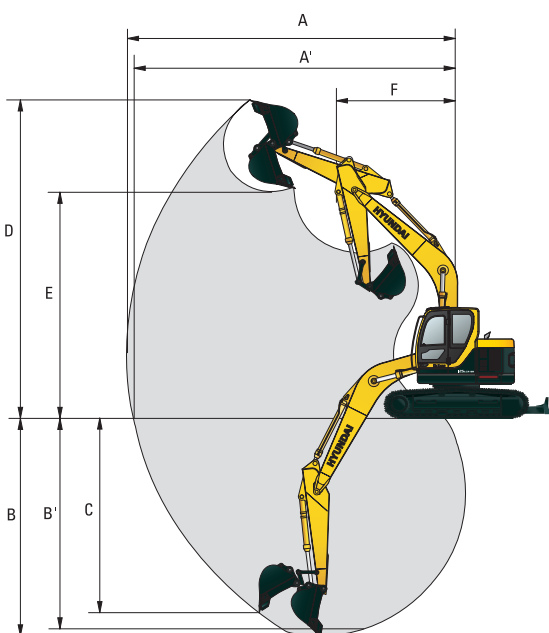
mm (ft · in)

mm (ft · in)

<b>A</b> Tumbler distance	2,780 (9' 2")	Boom length	4,300 (14' 1")		
<b>B</b> Overall length of crawler	3,678 (12' 1")	Arm length	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")
<b>C</b> Ground clearance of counterweight	890 (2' 10")	<b>I</b> Overall length	7,560 (24' 8")	7,580 (24' 9")	7,520 (24' 7")
<b>D</b> Tail swing radius	1,500 (4' 10")	<b>J</b> Overall height of boom	2,530 (8' 3")	2,740 (9' 0")	3,070 (10' 1")
<b>D'</b> Rear-end length	1,500 (4' 10")	<b>K</b> Track shoe width	500 (20")	600 (24")	700 (28")
<b>E</b> Overall width of upperstructure	2,490 (8' 2")	<b>L</b> Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")
<b>F</b> Overall height of cab	2,900 (9' 6")				
<b>G</b> Min. ground clearance	440 (1' 5")				
<b>H</b> Track gauge	1,990 (6' 6")				
<b>M</b> Max. Lifting height of dozer blade	540 (1' 8")				
<b>N</b> Max. depth of dozer blade	530 (1' 8")				
<b>O</b> Height of dozer blade	580 (1' 9")				

## WORKING RANGES R125LCR-9A (DOZER TYPE)

mm (ft · in)













Boom length	4,300 (14' 1")		
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<b>A</b> Max. digging reach	7,420 (24' 4")	7,700 (25' 3")	8,230 (27' 0")
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<b>B'</b> Max. digging depth (8' level)	4,500 (14' 9")	4,830 (15' 10")	5,420 (17' 8")
<b>C</b> Max. vertical wall digging depth	4,140 (13' 7")	4,410 (14' 6")	4,970 (16' 3")
<b>D</b> Max. digging height	7,910 (25' 11")	8,100 (26' 7")	8,480 (27' 9")
<b>E</b> Max. dumping height	5,550 (18' 3")	5,740 (18' 10")	6,120 (20' 1")
<b>F</b> Min. front swing radius	2,280 (7' 6")	2,340 (7' 8")	2,460 (8' 1")

# Lifting Capacities











## R125LCR-9A

 Rating over-front  Rating over-side or 360 degrees











Boom : 4.3 m (14' 1") / Arm : 2.26 m (7' 5") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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					*1780	*1780			*1770	1550	5.97
	lb					*3920	*3920			*3900	3420	(19.6)
4.5 m (15 ft)	kg					*1820	*1820	*1480	1470	1690	1120	6.90
	lb					*4010	*4010	*3260	3240	3730	2470	(22.6)
3.0 m (10 ft)	kg			*2850	*2850	*2300	*2300	*2090	1430	1460	940	7.34
	lb			*6280	*6280	*5070	*5070	*4610	3150	3220	2070	(24.1)
1.5 m (5 ft)	kg			*4670	4290	*2980	2210	2030	1340	1390	890	7.41
	lb			*10300	9460	*6570	4870	4480	2950	3060	1960	(24.3)
Ground Line	kg			*5790	3890	3130	2030	1950	1260	1470	940	7.13
	lb			*12760	8580	6900	4480	4300	2780	3240	2070	(23.4)
-1.5 m (-5 ft)	kg	*5690	*5690	*5970	3790	3040	1950	1920	1230	1760	1140	6.42
	lb	*12540	*12540	*13160	8360	6700	4300	4230	2710	3880	2510	(21.1)
-3.0 m (-10 ft)	kg	*8700	*8700	*5360	3860	3070	1980			*2290	1760	5.08
	lb	*19180	*19180	*11820	8510	6770	4370			*5050	3880	(16.7)

Boom : 4.3 m (14' 1") / Arm : 1.96 m (6' 5") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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					*1780	*1780			*1900	1740	5.61
	lb					*3920	*3920			*4190	3840	(18.4)
4.5 m (15 ft)	kg					*2040	*2040	1840	1230			6.59
	lb					*4500	*4500	4060	2710			(21.6)
3.0 m (10 ft)	kg			*3270	*3270	*2500	2410	2110	1410	1570	1020	7.06
	lb			*7210	*7210	*5510	5310	4650	3110	3460	2250	(23.2)
1.5 m (5 ft)	kg			*5030	4200	*3160	2190	2030	1340	1500	970	7.13
	lb			*11090	9260	*6970	4830	4480	2950	3310	2140	(23.4)
Ground Line	kg			*5940	3870	3130	2030	1960	1270	1590	1030	6.83
	lb			*13100	8530	6900	4480	4320	2800	3510	2270	(22.4)
-1.5 m (-5 ft)	kg	*6190	*6190	*5920	3820	3060	1970			1940	1270	6.08
	lb	*13650	*13650	*13050	8420	6750	4340			4280	2800	(19.9)
-3.0 m (-10 ft)	kg	*9140	*9140	*5210	3940	3130	2040					
	lb	*20150	*20150	*11290	8690	6900	4500					

Boom : 4.3 m (14' 1") / Arm : 2.81 m (9' 2") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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									*1550	1250	6.64
	lb									*3420	2760	(21.8)
4.5 m (15 ft)	kg							*1620	1510	1450	940	7.47
	lb							*3570	3330	3200	2070	(24.5)
3.0 m (10 ft)	kg					*1910	*1910	*1810	1440	1260	800	7.88
	lb					*4210	*4210	*3990	3170	2780	1760	(25.9)
1.5 m (5 ft)	kg			*3960	*3960	*2640	2250	2030	1340	1210	750	7.95
	lb			*8730	*8730	*5820	4960	4480	2950	2670	1650	(26.1)
Ground Line	kg	*3340	*3340	5420	3940	3140	2030	1930	1240	1260	780	7.68
	lb	*7360	*7360	*11950	8690	6920	4480	4250	2730	2780	1720	(25.2)
-1.5 m (-5 ft)	kg	*5070	*5070	*5920	3750	3000	1910	1870	1180	1470	920	7.04
	lb	*11180	*11180	*13050	8270	6610	4210	4120	2600	3240	2030	(23.1)
-3.0 m (-10 ft)	kg	*7380	*7380	*5640	3760	2990	1900			2030	1320	5.88
	lb	*16270	*16270	*12430	8290	6590	4190			4480	2910	(19.3)
-4.5 m (-15 ft)	kg			*4290	3950							
	lb			*9460	8710							

- 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 Capacities

## R125LCRD-9A



Boom : 4.3 m (14' 1") / Arm : 2.26 m (7' 5") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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					*1780	*1780			*1770	*1770	5.97
	lb					*3920	*3920			*3900	*3900	(19.6)
4.5 m (15 ft)	kg					*1820	*1820	*1480	*1480	*1850	1350	6.90
	lb					*4010	*4010	*3260	*3260	*4080	2980	(22.6)
3.0 m (10 ft)	kg			*2850	*2850	*2300	*2300	*2090	1700	*1940	1150	7.34
	lb			*6280	*6280	*5070	*5070	*4610	3750	*4280	2540	(24.1)
1.5 m (5 ft)	kg			*4670	*4670	*2980	2630	*2370	1610	*2060	1090	7.41
	lb			*10300	*10300	*6570	5800	*5220	3550	*4540	2400	(24.3)
Ground Line	kg			*5790	4710	*3560	2440	*2630	1530	*2180	1150	7.13
	lb			*12760	10380	*7850	5380	*5800	3370	*4810	2540	(23.4)
-1.5 m (-5 ft)	kg	*5690	*5690	*5970	4600	*3770	2360	*2660	1500	*2300	1380	6.42
	lb	*12540	*12540	*13160	10140	*8310	5200	*5860	3310	*5070	3040	(21.1)
-3.0 m (-10 ft)	kg	*8700	*8700	*5360	4680	*3430	2390			*2290	2100	5.08
	lb	*19180	*19180	*11820	10320	*7560	5270			*5050	4630	(16.7)

Boom : 4.3 m (14' 1") / Arm : 1.96 m (6' 5") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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					*1780	*1780			*1900	*1900	5.61
	lb					*3920	*3920			*4190	*4190	(18.4)
4.5 m (15 ft)	kg					*2040	*2040			*1970	1470	6.59
	lb					*4500	*4500			*4340	3240	(21.6)
3.0 m (10 ft)	kg			*3270	*3270	*2500	*2500	*2230	1690	*2070	1250	7.06
	lb			*7210	*7210	*5510	*5510	*4920	3730	*4560	2760	(23.2)
1.5 m (5 ft)	kg			*5030	5030	*3160	2610	*2480	1610	*2190	1180	7.13
	lb			*11090	11090	*6970	5750	*5470	3550	*4830	2600	(23.4)
Ground Line	kg			*5940	4690	*3660	2440	*2690	1540	*2320	1250	6.83
	lb			*13100	10340	*8070	5380	*5930	3400	*5110	2760	(22.4)
-1.5 m (-5 ft)	kg	*6190	*6190	*5920	4640	*3790	2380			*2420	1540	6.08
	lb	*13650	*13650	*13050	10230	*8360	5050			*5340	3400	(19.9)
-3.0 m (-10 ft)	kg	*9140	*9140	*5210	4750	*3240	2450					
	lb	*20150	*20150	*11290	10470	*7140	5400					

Boom : 4.3 m (14' 1") / Arm : 2.81 m (9' 2") / Bucket : 0.40 m<sup>3</sup> SAE heaped / Shoe : 500 mm (20") 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									*1550	1490	6.64
	lb									*3420	3280	(21.8)
4.5 m (15 ft)	kg							*1620	*1620	*1630	1150	7.47
	lb							*3570	*3570	*3590	2540	(24.5)
3.0 m (10 ft)	kg					*1910	*1910	*1810	1720	*1720	990	7.88
	lb					*4210	*4210	*3990	3790	*3790	2180	(25.9)
1.5 m (5 ft)	kg			*3960	*3960	*2640	*2640	*2140	1610	*1820	940	7.95
	lb			*8730	*8730	*5820	*5820	4720	3550	*4010	2070	(26.1)
Ground Line	kg	*3340	*3340	5420	4760	*3320	2440	*2460	1510	*1950	980	7.68
	lb	*7360	*7360	*11950	10490	*7320	5380	*5420	3330	*4300	2160	(25.2)
-1.5 m (-5 ft)	kg	*5070	*5070	*5920	4560	*3680	2320	*2630	1450	*2070	1140	7.04
	lb	*11180	*11180	*13050	10050	*8110	5110	*5800	3200	*4560	2510	(23.1)
-3.0 m (-10 ft)	kg	*7380	*7380	*5640	4570	*3590	2310			*2150	1600	5.88
	lb	*16270	*16270	*12430	10080	*7910	5090			*4740	3530	(19.3)
-4.5 m (-15 ft)	kg			*4290	*4290							
	lb			*9460	*9460							

- 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 R125LCR-9A

### 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)
One key fits all lockable doors
Hot & cool box
Storage compartment & Ashtray
Radio / MP3 Player with remote control and USB-input
Handsfree mobile phone system with USB-charging device
Transparent cabin roof-cover
12 volt power outlet (24V DC to 12V DC converter)
Sun visor
Rain guard - front window
Computer aided power optimization (CAPO) system
3-power modes, 2-work modes, User mode
Auto & one-touch deceleration system
Auto warm-up system
Overheat prevention system
Automatic temperature 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
Clock
Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
Warning lamps
- Engine warning
- Overload
- Communication error
- Low battery
- Air filter clogging
Indicators
- Max power
- Fuel warmer
- Auto deceleration
Rearview camera
Two outside rearview mirrors
Mechanical suspension seat with heater
Adjustable joysticks
Four front working lights
Electric horn
Batteries (2 x 12V x 72 Ah)
Battery master switch
Removable clean-out screen for coolers
Automatic swing brake
Removable reservoir tank
Fuel pre-filter with fuel warmer
Boom holding system
Arm holding system
Triple grousers shoe (500 mm; 20")
Track rail guard
Accumulator for lowering work equipment
Electric transducer
Lower frame under cover
Fuel filler pump (35 ℓ/min)
Safety lock valve for boom cylinder with overload warning device
Double-acting piping kit (clamshell, etc.)
Travel alarm
Quick coupler piping

### Boom

4.3 m; 14' 1"
Arm
2.26 m; 7' 5"
Cabin ROPS (ISO 12117-2)
ROPS (Roll Over Protective Structure)
Hi-mate (Remote Management System)

## OPTIONAL EQUIPMENT R125LCR-9A

### Beacon lamp

Safety lock valve for arm cylinder
Single-acting piping kit (breaker, etc.)

### Arms

1.96 m; 6' 5"
2.81 m; 9' 3"

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

FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)

### Cabin lights

Track shoes
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Triple grousers shoe (600 mm; 24")
Triple grousers shoe (700 mm; 28")
Rubber pad (500 mm; 20")
Track pad (500 mm; 20")

### Additional lower frame - reinforced under cover

Dozer blade
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Tool kit
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Seat
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Air suspension seat with heater

- \* 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

