

We build a better future

Robex 160LC-9

Equipped with Tier 3 Engine



*Photo may include optional equipment.

Pleasure works

An operator, who takes pleasure in his work, does a better job. That is why we at Hyundai Heavy Industries do everything we can to make that happen. We merged operator preference, fast precision and lasting performance into a quality product. Hyundai 9 series earthmoving equipment simply makes time fly, makes pleasure work!



*Photo may include optional equipment.

Machine Walk-Around

Robust Undercarriage

Track chain with urethane seals / Track rail guard / Comfortable bolt-on steps / Large upper roller cut-outs / Grease-type track adjusters.

Engine Technology

Powerful and reliable, fuel efficient Mitsubishi Tier III D04FD-TAA engine. Electrical controlled, clean and efficient combustion.

Low noise / Auto engine overheat prevention / Anti-restart function.

Hydraulic System Improvements

New patented hydraulic system for maximum controllability / Improved main control valve for higher efficiency and smoother operation / Auto boom vs. swing priority system for maximum speed / Auto power boost for extra power / Improved arm & boom regeneration for higher speed and better efficiency.

Pump Compartment

Powerful and reliable axial piston pumps, designed by Kawasaki.

Compact solenoid block to control: 2 speed travel, power boost, boom priority, arm regeneration and safety lock.

Enhanced Operators' Cabin

Improved Visibility

Enlarged cabin with improved visibility / See-through sunroof for visibility and ventilation.

Large right-side window, for better visibility on foot of boom.

All windows consist of Safety glass.

Roll-up type sun visor for operators' convenience / Reduced front window seam for improved operator view.

Rigid Cabin Construction

New steel tube construction for increased operator safety, higher protection and better durability.

New front window mechanism designed with spring assist.

Improved Seat & Console

Ergonomic joysticks equipped with auxiliary buttons for attachment use.

Standard mechanic suspension with heater or optional air suspension.

New joystick consoles - adjustable in height.

Adjustable arm rests - for optimum comfort.

Advanced 7" Color Cluster

New Color LCD Display with digital gauges for hydraulic oil temperature, coolant temperature and fuel level.

Toggle switch makes it easier to tune your machine and to check diagnostics. A new developed rear-view camera is integrated into the cluster.

3 power modes : Power / Standard / Economy, 3 work modes : Digging / Breaker / Crusher, User mode for saving operators' preferences.

Enhanced self-diagnostic features with remote access through the Hi-Mate system.

One pump flow or two pump flow summation for optional attachment, selectable through the cluster /

Anti-theft system with password entry.

Boom speed and arm regeneration can be adjusted proportionally through the cluster.

Auto power boost in Power-mode - activated through the cluster.

Air conditioning and heater with automatic climate control.

Hi-Mate (Remote Management System) enables machine owners to follow-up machine performance, to verify machine location and to access diagnostic information on a distance through any internet connection.

Preference

An operator, who sets his machine to his needs, takes pleasure in his work. 9 Series respects operator preference with regards to comfort, ease-of-use and controllability. The dashboard cluster with 7 inch screen and toggle switch is the preference nerve centre.



*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 a 9 series cabin you can adjust the seat, console and armrests to suit your preferred comfort level. Seat and console can be adjusted in position and height together and independent from each other. A fully automatic, high capacity air conditioning system maintains a constant temperature.



Stressless

Work is stressful enough; your working environment should be stressless. Hyundai's 9 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 CD player, 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.



Easy to Use Cluster

The advanced 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 are integrated into the cluster to make the machine more versatile and the operator more productive.



Precision

An operator, who feels his machine respond smoothly, takes pleasure in his work. 9 Series delivers fast precision by combining smoother hydraulics with wider view and less stress. The innovative Negative hydraulic system combines straightforward technology with superior response.



*Photo may include optional equipment.

Computer Aided Power

The advanced CAPO (Computer Aided Power Optimization) system tunes engine and pump power to optimum levels. Multiple mode selections are implemented for specific applications, maintaining high performance while reducing fuel consumption.

Additional features include auto deceleration and power boost.

The LCD-display monitors engine speed, coolant and hydraulic oil temperature and through the self-diagnostic capability, it displays current error codes. Operators can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.

Power Mode

Three unique power modes provide the operator with custom engine power, attachment speed and fuel economy. Power-mode maximizes machine speed and power for maximum productivity. Standard-mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. Economy-mode provides precise flow and engine power based on load conditions, for maximum fuel efficiency and controllability.

Work Mode

Through the different work modes, the operator can select general digging, single-acting attachments like a hydraulic breaker or double-acting attachments like a crusher. Flow settings can be preset through the cluster.

User Mode

Some jobs require more precise machine settings; some operators prefer different machine settings. Using the User-mode, the operator can customize engine speed, pump output, idle speed and other machine settings according to personal preferences.

Hydraulic System Improvements



To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and top level controllability. Spool valves in the control valve are engineered to provide more precise flow to each function with less effort.

Improved hydraulic valves, variable volume piston pumps, fine-touch pilot controls and enhanced travel functions make any operator look like a smooth operator. Newly improved features include arm and boom regeneration, enhanced control valve technology and innovative auto boom and swing priority for best performances 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

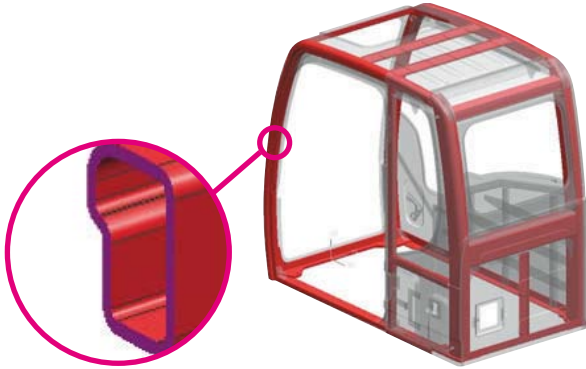
An operator, who can rely on his machine, takes pleasure in his work. 9 Series stands for lasting performance in strength, speed and reliability. The Auto boom-swing priority results into faster movements and shorter cycle times.



*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.



Structural Strength

The 9 series cabin structure is designed with slimmer but stronger tubing for more safety and better visibility. Low-stress and high-strength steel is welded to form a strong and stable lower frame. Structural durability is analyzed and tested by FEM-analysis (Finite Elements Method) and long-term durability tests.

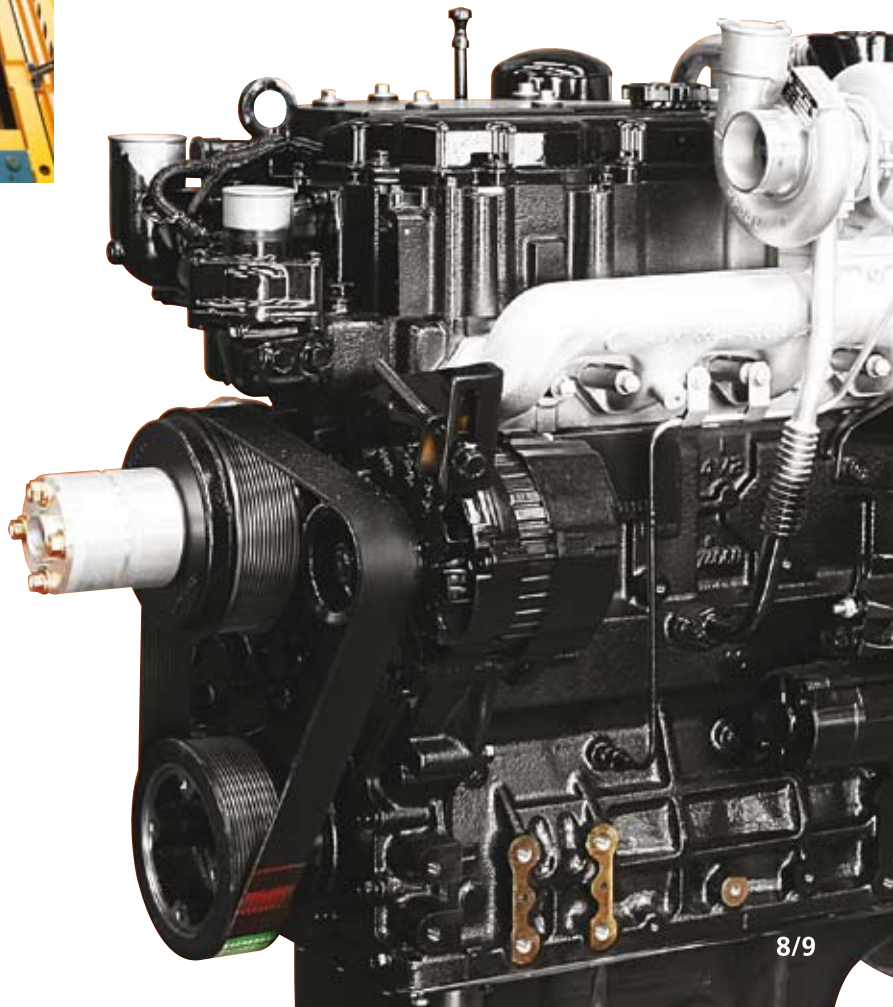


Mitsubishi D04FD-TAA Engine

With 4-cylinders, turbo-charger and intercooler, the Mitsubishi D04FD-TAA engine is built for power, economy and reliability. Electronical controlled fuel injection and diagnostic capabilities add efficiency and serviceability to the engine. This engine meets TIER3 / EU stage IIIa emission regulations.

Engine Performance

Every operator knows that there's no substitute for power and durability. The Mitsubishi engine handles the toughest loads and the roughest work conditions combined with maximum fuel economy, better cold starting capability and lower noise level. Plus, the heavy-duty design of the D04FD-TAA engine and related components are offering reliability and durability you can count on every day. Fuel-efficiency and response time are enhanced with the Mitsubishi high pressure common rail fuel system. This fuel system delivers high pressure injection, independent from engine speed, for optimum performance and flexibility at all engine speeds.



Profitable

An owner, who knows his machine saves money, takes pleasure in owning it. 9 Series excavators contribute to your business as a time, fuel, spare-part and cost saving earthmoving solution. The Remote Management System allows machine owners to track, monitor and manage at a distance.



*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.



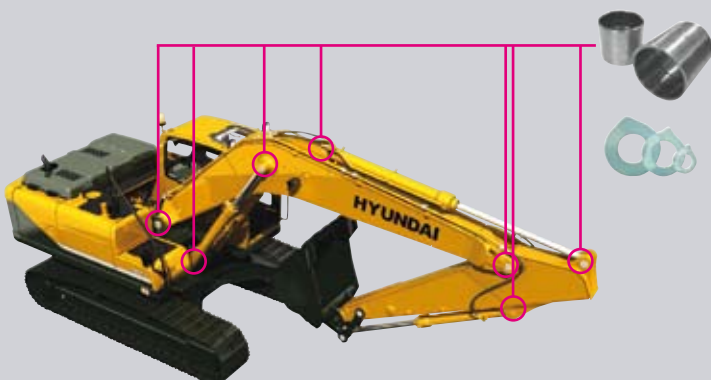
Fuel Economy

9 series excavators are developed to do more work with less fuel. Implemented innovations like the variable speed fan clutch, two-stage auto decel system and the new economy mode, are helping to save fuel and reduce the impact on the environment.



Easy Access

Access from ground to filters, lube fittings, fuses, drains and machine computer components, combined with wide open compartments makes servicing the 9-series a pleasure for your mechanics.



Extended Life of Components

New long-life bushings are designed for extended lube intervals (250 hrs). Wear-resistant polymer shims reduce noise and reduce wear of bushings. Extended-life hydraulic filters last up to 1,000 hrs and new long-life hydraulic oil need only be changed every 5,000 hrs.

Specifications

ENGINE

MODEL	MITSUBISHI D04FD-TAA		
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)	126 HP (94 kW) / 2,000 rpm
		J1349 (net)	120 HP (90 kW) / 2,000 rpm
	DIN	6271/1 (gross)	128 PS (94 kW) / 2,000 rpm
		6271/1 (net)	122 PS (90 kW) / 2,000 rpm
Max. torque	47.7 kgf.m (345 lbf.ft) / 1,800 rpm		
Bore x stroke	102 x 130 mm (4.01" x 5.12")		
Piston displacement	4,249 cc (259.3 in ³)		
Batteries	2 x 12V x 100AH		
Starting motor	24V- 5.0 kW		
Alternator	24V- 50 Amp		

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Max. flow	2 X 160L /min (44.4 US gpm / 37.0 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 ² (4,980 psi)
Travel	330 kgf/cm ² (4,690 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,410 psi)
Swing circuit	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder-bore x stroke	Boom : 2 - 115 x 1,090 mm (4.5" x 42.9")
	Arm : 1 - 120 x 1,355 mm (4.7" x 53.3")
	Bucket : 1 - 110 x 995 mm (4.3" x 39.2")
	Blade : 2 - 110 x 320 mm (4.3" x 12.6")
	Boom (Hydraulic adjustable boom) : 2 - 115 x 960 mm (4.5" x 37.8")
	Hydr. adjustable boom : 1 - 160 x 650 mm (6.3" x 25.6")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary gear reduction
Max. drawbar pull	15,700 kgf (34,600 lbf)
Max. travel speed (high) / (low)	5.5 km/hr (3.4 mph) / 3.2 km/hr (2.0 mph)
Gradeability	30° (58 %)
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
Lights	Two lights mounted on the boom, Two on the upper frame

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.3 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	270	71.3	59.4
Engine coolant	28.0	7.4	6.2
Engine oil	17.5	4.6	3.8
Swing device - gear oil	5.0	1.3	1.1
Travel motor (each) - gear oil	3.0	0.8	0.7
Hydraulic system (including tank)	240	63.4	52.8
Hydraulic tank	160	42.3	35.2

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	49
No. of carrier rollers on each side	2
No. of track rollers on each side	7
No. of rail guards on each side	1

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,100 mm (16' 9") boom, 2,600 mm (8' 6") arm, SAE heaped 0.70 m³ (0.92 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	4,980 kg (10,980 lb)
Counterweight	2,900 kg (6,390 lb)
5,100 mm (16' 9") Mono boom (with arm cylinder)	1,250 kg (2,760 lb)
Hydraulic adjustable boom (with arm cylinder)	1,780 kg (3,920 lb)

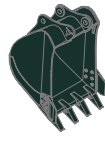
OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)	
Triple grouser	500 (20")	R160LC-9	17,550 (38,690)	0.51 (7.25)
		R160LCD-9	18,550 (40,900)	0.54 (7.68)
	600 (24")	R160LC-9	17,800 (39,240)	0.43 (6.11)
		R160LCD-9	18,800 (41,450)	0.46 (6.54)
	700 (28")	R160LC-9	18,050 (39,790)	0.38 (5.40)
		R160LCD-9	19,050 (42,000)	0.40 (5.69)

BUCKETS

All buckets are welded with high-strength steel



0.39 (0.51)



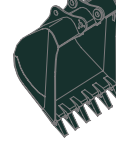
0.50 (0.65)



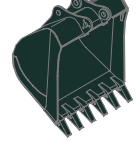
0.64 (0.84)



0.70 (0.92)



0.89 (1.16)



▣ 0.69 (0.90)

SAE heaped m³ (yd³)

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		5.10 (16' 9") Mono boom			5.10 (16' 9") Hydraulic adjustable boom	
					2.20 (7' 3") Arm	2.60 (8' 6") Arm	3.10 (10' 2") Arm	2.20 (7' 3") Arm	2.60 (8' 6") Arm
0.39 (0.51)	0.34 (0.44)	620 (24' 4")	740 (29' 1")	410 (900)	•	•	•	•	•
0.50 (0.65)	0.44 (0.58)	760 (29' 9")	880 (34' 6")	470 (1,040)	•	•	•	•	•
0.64 (0.84)	0.55 (0.72)	920 (36' 2")	1,040 (40' 9")	510 (1,120)	•	•	▣	•	▣
0.70 (0.92)	0.60 (0.78)	990 (39' 0")	1,110 (43' 7")	540 (1,190)	•	▣	▲	▣	▲
0.89 (1.16)	0.77 (1.01)	1,220 (48' 0")	1,340 (52' 8")	610 (1,340)	▣	▲	-	▲	-
▣ 0.69 (0.90)	0.62 (0.81)	990 (39' 0")	-	700 (1,540)	•	▣	▲	▣	▲

▣ 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. 5.10 m (16' 9") mono boom, 5.10 m (16' 9") hydraulic adjustable boom and 2.20 m (7' 3"); 2.60 m (8' 6") and 3.10 m (10' 2") arms are available.

DIGGING FORCE

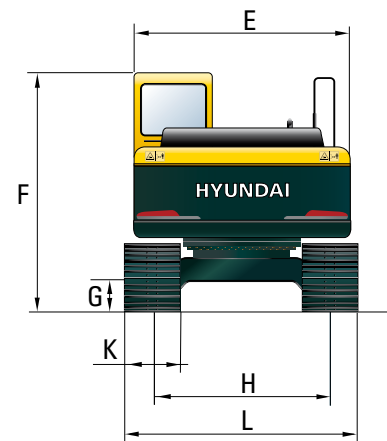
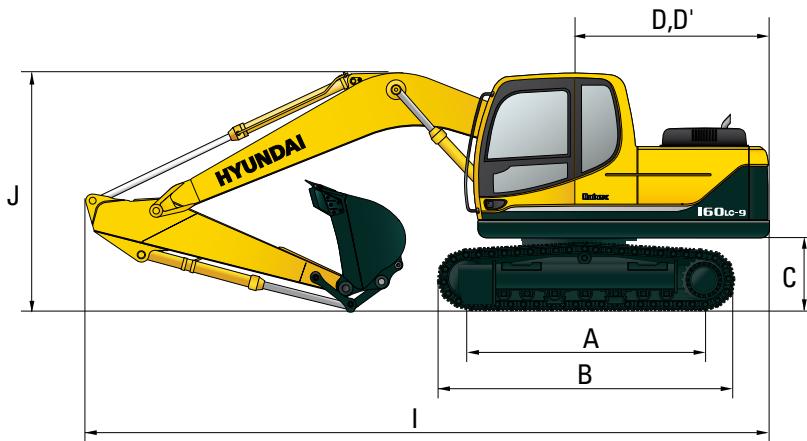
Boom	Length	mm (ft.in)	5,100 (16' 9")			Remarks
	Weight	kg (lb)	1,040 (2,290)			
Arm	Length	mm (ft.in)	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	Remarks
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)	
Bucket digging force	SAE	kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]	[]: Power Boost
		kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]	
		lbf	24,250 [26,330]	24,250 [26,330]	24,250 [26,330]	
	ISO	kN	123.6 [134.2]	123.6 [134.2]	123.6 [134.2]	
		kgf	12,600 [13,680]	12,600 [13,680]	12,600 [13,680]	
		lbf	27,780 [30,160]	27,780 [30,160]	27,780 [30,160]	
Arm crowd force	SAE	kN	87.2 [94.7]	77.3 [83.9]	69.0 [74.9]	
		kgf	8,890 [9,650]	7,880 [8,560]	7,030 [7,630]	
		lbf	19,600 [21,280]	17,370 [18,860]	15,500 [16,830]	
	ISO	kN	91.0 [98.8]	80.3 [87.2]	71.4 [77.5]	
		kgf	9,280 [10,080]	8,190 [8,890]	7,280 [7,900]	
		lbf	20,460 [22,210]	18,060 [19,600]	16,050 [17,430]	

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

Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Ranges

DIMENSIONS R160LC-9



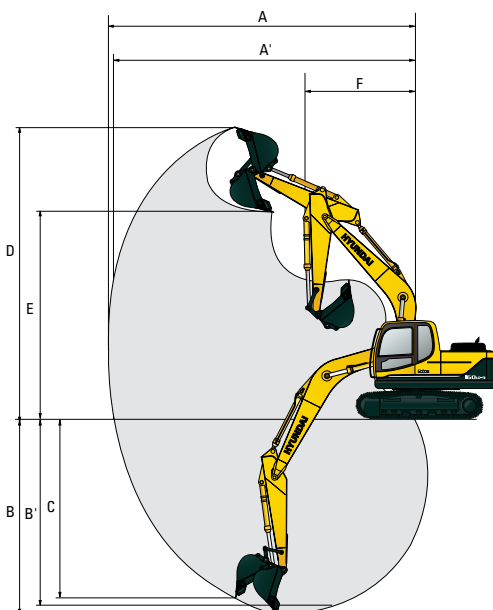
mm (ft · in)

mm (ft · in)

A Tumbler distance	3,170 (10' 5")	Boom length	5,100 (16' 9")		
B Overall length of crawler	3,960 (13' 0")	Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
C Ground clearance of counterweight	1,055 (3' 6")	I Overall length	8,660 (28' 5")	8,650 (28' 5")	8,650 (28' 5")
D Tail swing radius	2,530 (8' 4")	J Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")
D' Rear-end length	2,480 (8' 2")	K Track shoe width	500 (20")	600 (24")	700 (28")
E Overall width of upperstructure	2,475 (8' 1")	L Overall width	2,490 (8' 2")	2,590 (8' 6")	2,690 (8' 10")
F Overall height of cab	2,980 (9' 9")				
G Min. ground clearance	460 (1' 6")				
H Track gauge	1,990 (6' 6")				

WORKING RANGES R160LC-9

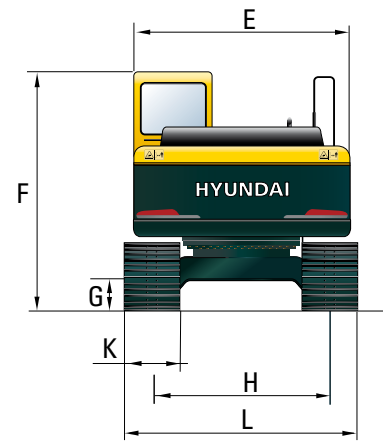
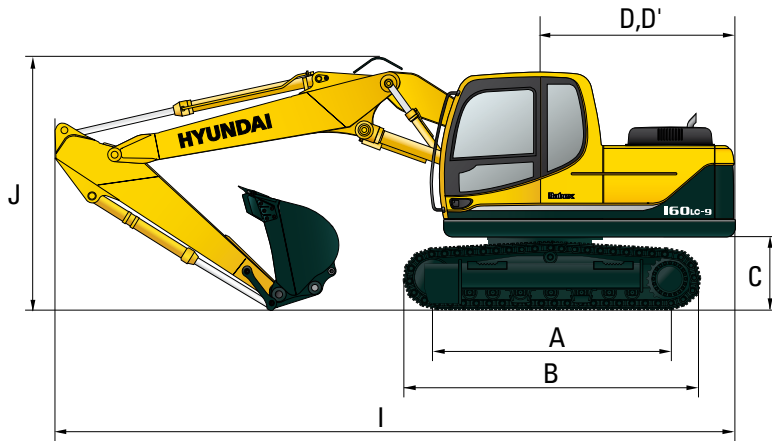
mm (ft · in)



Boom length	5,100 (16' 9")		
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A' Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
B Max. digging depth	5,660 (18' 7")	6,060 (19' 11")	6,560 (21' 6")
B' Max. digging depth (8' level)	5,430 (17' 10")	5,850 (19' 2")	6,370 (20' 11")
C Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F Min. swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

Dimensions & Working Ranges

DIMENSIONS R160LC-9 / HYDRAULIC ADJUSTABLE BOOM



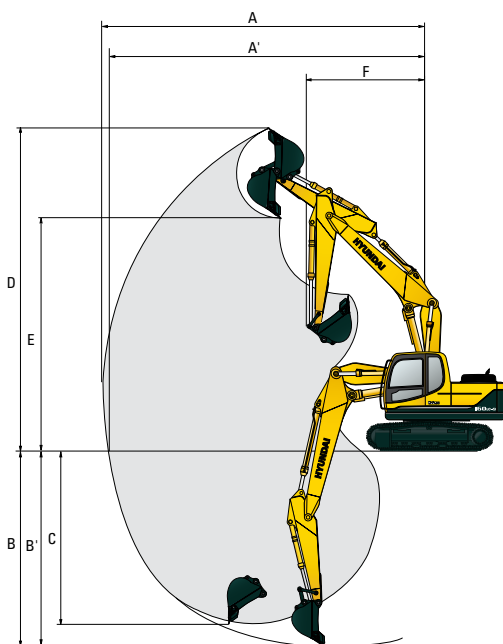
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A Tumbler distance	3,170 (10' 5")	Boom length	5,100 (16' 9")	
B Overall length of crawler	3,960 (13' 0")	Arm length	2,200 (7' 3")	2,600 (8' 6")
C Ground clearance of counterweight	1,055 (3' 6")	I Overall length	8,610 (28' 3")	8,610 (28' 3")
D Tail swing radius	2,530 (8' 4")	J Overall height of boom	3,040 (9' 12")	3,060 (10' 0")
D' Rear-end length	2,480 (8' 2")	K Track shoe width	500 (20")	600 (24")
E Overall width of upperstructure	2,475 (8' 1")	L Overall width	2,490 (8' 2")	2,590 (8' 6")
F Overall height of cab	2,980 (9' 9")			700 (28")
G Min. ground clearance	460 (1' 6")			2,690 (8' 10")
H Track gauge	1,990 (6' 6")			

WORKING RANGES R160LC-9 / HYDRAULIC ADJUSTABLE BOOM

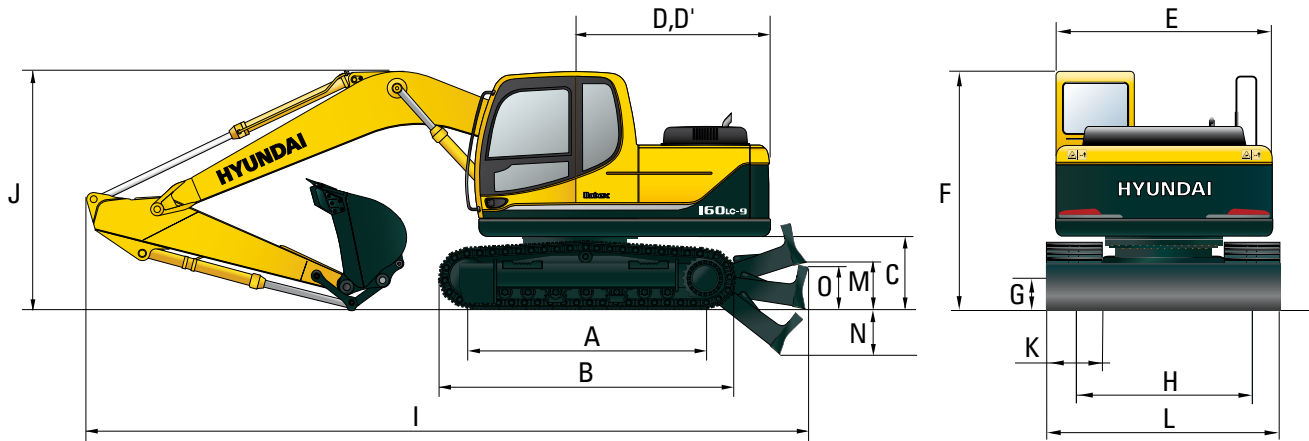
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Boom length	5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")
A Max. digging reach	8,760 (28' 9")	9,110 (29' 11")
A' Max. digging reach on ground	8,590 (28' 2")	8,950 (29' 4")
B Max. digging depth	5,430 (17' 10")	5,830 (19' 2")
B' Max. digging depth (8' level)	5,330 (17' 6")	5,730 (18' 10")
C Max. vertical wall digging depth	4,630 (15' 2")	4,980 (16' 4")
D Max. digging height	9,420 (30' 11")	9,610 (31' 6")
E Max. dumping height	6,710 (22' 0")	6,910 (22' 8")
F Min. swing radius	3,100 (10' 2")	2,970 (9' 9")

Dimensions & Working Ranges

DIMENSIONS R160LCD-9



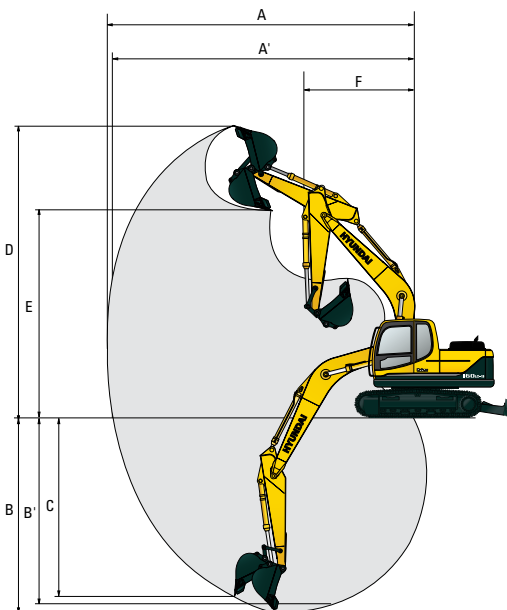
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F Overall height of cab	2,980 (9' 9")				
G Min. ground clearance	460 (1' 6")				
H Track gauge	1,990 (6' 6")				
M Ground clearance of blade up	615 (2' 0")				
N Depth of blade down	675 (2' 3")				
O Height of blade	640 (2' 1")				

WORKING RANGES R160LCD-9

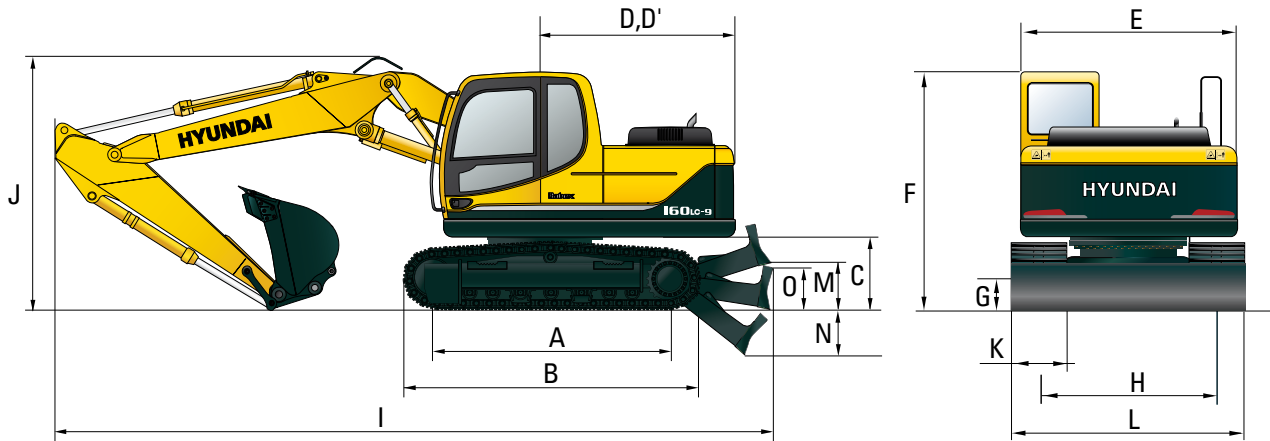
mm (ft · in)



Boom length	5,100 (16' 9")		
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A' Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
B Max. digging depth	5,660 (18' 7")	6,060 (19' 11")	6,560 (21' 6")
B' Max. digging depth (8' level)	5,430 (17' 10")	5,850 (19' 2")	6,370 (20' 11")
C Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F Min. swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

Dimensions & Working Ranges

DIMENSIONS R160LCD-9 / HYDRAULIC ADJUSTABLE BOOM



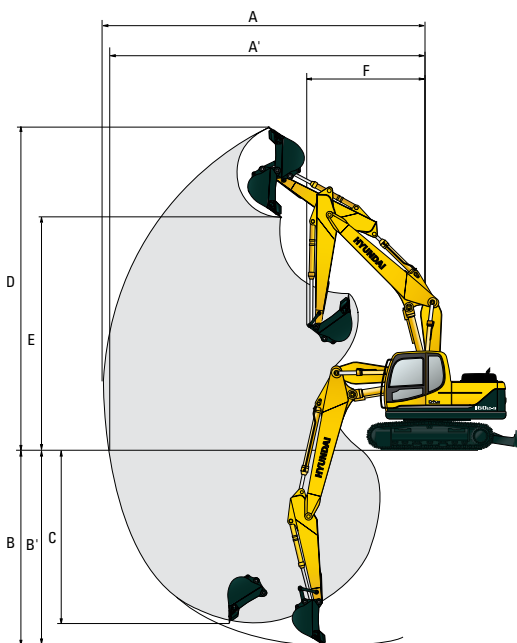
mm (ft · in)

mm (ft · in)

A Tumbler distance	3,170 (10' 5")	Boom length	5,100 (16' 9")	
B Overall length of crawler	3,960 (13' 0")	Arm length	2,200 (7' 3")	2,600 (8' 6")
C Ground clearance of counterweight	1,055 (3' 6")	I Overall length	9,080 (29' 9")	9,080 (29' 9")
D Tail swing radius	2,530 (8' 4")	J Overall height of boom	3,040 (9' 12")	3,060 (10' 0")
D' Rear-end length	2,480 (8' 2")	K Track shoe width	500 (20")	600 (24")
E Overall width of upperstructure	2,475 (8' 1")	L Overall width	2,490 (8' 2")	2,590 (8' 6")
F Overall height of cab	2,980 (9' 9")			700 (28")
G Min. ground clearance	460 (1' 6")			2,690 (8' 10")
H Track gauge	1,990 (6' 6")			
M Ground clearance of blade up	615 (2' 0")			
N Depth of blade down	675 (2' 3")			
O Height of blade	640 (2' 1")			

WORKING RANGES R160LCD-9 / HYDRAULIC ADJUSTABLE BOOM

mm (ft · in)













Boom length	5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")
A Max. digging reach	8,760 (28' 9")	9,110 (29' 11")
A' Max. digging reach on ground	8,590 (28' 2")	8,950 (29' 4")
B Max. digging depth	5,430 (17' 10")	5,830 (19' 2")
B' Max. digging depth (8' level)	5,330 (17' 6")	5,730 (18' 10")
C Max. vertical wall digging depth	4,630 (15' 2")	4,980 (16' 4")
D Max. digging height	9,420 (30' 11")	9,610 (31' 6")
E Max. dumping height	6,710 (22' 0")	6,910 (22' 8")
F Min. swing radius	3,100 (10' 2")	2,970 (9' 9")

Lifting Capacities











R160LC-9 / MONO BOOM

 Rating over-front  Rating over-side or 360 degrees











Boom : 5.10 m (16' 9") / Arm : 2.20 m (7' 3") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach m (ft)
												
7.5 m (25.0 ft)	kg									*3770	3660	5.60
	lb									*8310	8070	(18.4)
6.0 m (20.0 ft)	kg									*3690	2460	6.98
	lb									*8140	5420	(22.9)
4.5 m (15.0 ft)	kg					*4590	*4590	*4130	3120	3240	1980	7.76
	lb					*10120	*10120	*9110	6880	7140	4370	(25.5)
3.0 m (10.0 ft)	kg			*9120	8860	*5810	4720	*4620	2990	2930	1770	8.15
	lb			*20110	19530	*12810	10410	*10190	6590	6460	3900	(26.7)
1.5 m (5.0 ft)	kg					*7050	4360	4680	2830	2850	1700	8.20
	lb					*15540	9610	10320	6240	6280	3750	(26.9)
Ground Line	kg			*7100	*7100	7170	4150	4550	2710	2980	1770	7.94
	lb			*15650	*15650	15810	9150	10030	5970	6570	3900	(26.0)
-1.5 m (-5.0 ft)	kg	*7010	*7010	*11130	7780	7100	4090	4500	2670	3390	2030	7.31
	lb	*15450	*15450	*24540	17150	15650	9020	9920	5890	7470	4480	(24.0)
-3.0 m (-10.0 ft)	kg	*11210	*11210	*9650	7930	*6690	4150			*3780	2700	6.19
	lb	*24710	*24710	*21270	17480	*14750	9150			*8330	5950	(20.3)
-4.5 m (-15.0 ft)	kg			*6300	*6300							
	lb			*13890	*13890							

Boom : 5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach m (ft)	
														
7.5 m (25.0 ft)	kg										*3410	3190	6.11	
	lb										*7520	7030	(20.0)	
6.0 m (20.0 ft)	kg						*3040	*3040			*3380	2240	7.37	
	lb						*6700	*6700			*7450	4940	(24.2)	
4.5 m (15.0 ft)	kg						*3790	3150			3000	1820	8.11	
	lb						*8360	6940			6610	4010	(26.6)	
3.0 m (10.0 ft)	kg			*7930	*7930	*5330	4770	*4320	2990	*2830	2020	2730	1630	8.48
	lb			*17480	*17480	*11750	10520	*9520	6590	*6240	4450	6020	3590	(27.8)
1.5 m (5.0 ft)	kg			*8090	8060	*6680	4380	*4670	2820	3250	1940	2650	1560	8.53
	lb			*17840	17770	*14730	9660	*10300	6220	7170	4280	5840	3440	(28.0)
Ground Line	kg			*7880	7700	7150	4130	4520	2680	3190	1880	2750	1620	8.28
	lb			*17370	16980	15760	9110	9960	5910	7030	4140	6060	3570	(27.2)
-1.5 m (-5.0 ft)	kg	*6690	*6690	*10670	7660	7030	4020	4440	2610			3090	1830	7.69
	lb	*14750	*14750	*23520	16890	15500	8860	9790	5750			6810	4030	(25.2)
-3.0 m (-10.0 ft)	kg	*9970	*9970	*10310	7780	*6990	4050	4470	2640			*3770	2350	6.64
	lb	*21980	*21980	*22730	17150	*15410	8930	9850	5820			*8310	5180	(21.8)
-4.5 m (-15.0 ft)	kg			*7500	*7500	*4980	4230							
	lb			*16530	*16530	*10980	9330							

Boom : 5.10 m (16' 9") / Arm : 3.10 m (11' 1") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach m (ft)	
														
7.5 m (25.0 ft)	kg											*3030	2700	6.73
	lb											*6680	5950	(22.1)
6.0 m (20.0 ft)	kg							*2890	*2890			*3050	1980	7.88
	lb							*6370	*6370			*6720	4370	(25.9)
4.5 m (15.0 ft)	kg							*3370	3180	*2150	2080	2720	1630	8.57
	lb							*7430	7010	*4740	4590	6000	3590	(28.1)
3.0 m (10.0 ft)	kg					*4730	*4730	*3950	3010	*3110	2020	2490	1460	8.91
	lb					*10430	*10430	*8710	6640	*6860	4450	5490	3220	(29.2)
1.5 m (5.0 ft)	kg			*10240	8300	*6180	4430	*4640	2820	3240	1920	2420	1400	8.96
	lb			*22580	18300	*13620	9770	*10230	6220	7140	4230	5340	3090	(29.4)
Ground Line	kg			*8650	7710	7150	4120	4500	2660	3150	1840	2490	1440	8.73
	lb			*19070	17000	15760	9080	9920	5860	6940	4060	5490	3170	(28.6)
-1.5 m (-5.0 ft)	kg	*6290	*6290	*10300	7570	6980	3970	4390	2560	3110	1800	2760	1600	8.17
	lb	*13870	*13870	*22710	16690	15390	8750	9680	5640	6860	3970	6080	3530	(26.8)
-3.0 m (-10.0 ft)	kg	*8930	*8930	*10930	7630	6960	3960	4380	2550			3390	2000	7.21
	lb	*19690	*19690	*24100	16820	15340	8730	9660	5620			7470	4410	(23.7)
-4.5 m (-15.0 ft)	kg	*12410	*12410	*8670	7850	*5820	4070					*3390	3110	5.59
	lb	*27360	*27360	*19110	17310	*12830	8970					*7470	6860	(18.3)

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 Capacities

R160LC-9 / HYDRAULIC ADJUSTABLE BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 5.10 m (16' 9") / Arm : 2.20 m (7' 3") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius										At max. reach							
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach					
														m (ft)					
6.0 m (20.0 ft)	kg																*3750	2390	7.06
	lb																*8270	5270	(23.2)
4.5 m (15.0 ft)	kg							*4170	3120								3190	1920	7.83
	lb							*9190	6880								7030	4230	(25.7)
3.0 m (10.0 ft)	kg					*5860	4710	*4630	2970								2890	1710	8.21
	lb					*12920	10380	*10210	6550								6370	3770	(26.9)
1.5 m (5.0 ft)	kg					*7010	4330	4700	2800	3270	1930						2820	1650	8.27
	lb					*15450	9550	10360	6170	7210	4250						6220	3640	(27.1)
Ground	kg			*6200	*6200	7180	4100	4560	2680								2950	1730	8.01
Line	lb			*13670	*13670	15830	9040	10050	5910								6500	3810	(26.3)
-1.5 m (-5.0 ft)	kg	*6200	*6200	*10330	7710	7110	4040	4510	2640								3360	1990	7.39
	lb	*13670	*13670	*22770	17000	15670	8910	9940	5820								7410	4390	(24.2)
-3.0 m (-10.0 ft)	kg			*9150	7900	*6410	4120										*3300	2650	6.28
	lb			*20170	17420	*14130	9080										*7280	5840	(20.6)

Boom : 5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius										At max. reach							
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach					
														m (ft)					
6.0 m (20.0 ft)	kg																*3450	2160	7.48
	lb																*7610	4760	(24.5)
4.5 m (15.0 ft)	kg																2950	1760	8.20
	lb																6500	3880	(26.9)
3.0 m (10.0 ft)	kg							*4350	2980	*3250	2000						2680	1570	8.57
	lb							*9590	6570	*7170	4410						5910	3460	(28.1)
1.5 m (5.0 ft)	kg			*6980	*6980	*6660	4350	4690	2790	3260	1920						2610	1510	8.62
	lb			*15390	*15390	*14680	9590	10340	6150	7190	4230						5750	3330	(28.3)
Ground	kg			*7040	*7040	7160	4080	4530	2650	3190	1850						2710	1570	8.37
Line	lb			*15520	*15520	15790	8990	9990	5840	7030	4080						5970	3460	(27.5)
-1.5 m (-5.0 ft)	kg	*6030	*6030	*9960	7580	7040	3970	4450	2580								3050	1780	7.78
	lb	*13290	*13290	*21960	16710	15520	8750	9810	5690								6720	3920	(25.5)
-3.0 m (-10.0 ft)	kg	*9490	*9490	*9860	7730	*6740	4010	4490	2610								*3350	2290	6.76
	lb	*20920	*20920	*21740	17040	*14860	8840	9900	5750								*7390	5050	(22.2)
-4.5 m (-15.0 ft)	kg			*6840	*6840	*4560	4220												
	lb			*15080	*15080	*10050	9300												

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 Capacities

R160LCD-9 / MONO BOOM



Rating over-front



Rating over-side or 360 degrees

Boom : 5.10 m (16' 9") / Arm : 2.20 m (7' 3") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach m (ft)
7.5 m (25.0 ft)	kg									*3770	*3770	5.60
	lb									*8310	*8310	(18.4)
6.0 m (20.0 ft)	kg									*3690	2600	6.98
	lb									*8140	5730	(22.9)
4.5 m (15.0 ft)	kg					*4590	*4590	*4130	3290	3590	2110	7.76
	lb					*10120	*10120	*9110	7250	7910	4650	(25.5)
3.0 m (10.0 ft)	kg			*9120	*9120	*5810	4950	*4620	3150	3260	1880	8.15
	lb			*20110	*20110	*12810	10910	*10190	6940	7190	4140	(26.7)
1.5 m (5.0 ft)	kg					*7050	4600	5170	2990	3180	1810	8.20
	lb					*15540	10140	11400	6590	7010	3990	(26.9)
Ground Line	kg			*7100	*7100	*7710	4390	5040	2880	3320	1890	7.94
	lb			*15650	*15650	*17000	9680	11110	6350	7320	4170	(26.0)
-1.5 m (-5.0 ft)	kg	*7010	*7010	*11130	8200	*7620	4320	4990	2830	3770	2160	7.31
	lb	*15450	*15450	*24540	18080	*16800	9520	11000	6240	8310	4760	(24.0)
-3.0 m (-10.0 ft)	kg	*11210	*11210	*9650	8360	*6690	4380			*3780	2860	6.19
	lb	*24710	*24710	*21270	18430	*14750	9660			*8330	6310	(20.3)
-4.5 m (-15.0 ft)	kg			*6300	*6300							
	lb			*13890	*13890							

Boom : 5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach m (ft)
7.5 m (25.0 ft)	kg											*3410	3350	6.11
	lb											*7520	7390	(20.0)
6.0 m (20.0 ft)	kg							*3040	*3040			*3380	2370	7.37
	lb							*6700	*6700			*7450	5220	(24.2)
4.5 m (15.0 ft)	kg							*3790	3310			3340	1940	8.11
	lb							*8360	7300			7360	4280	(26.6)
3.0 m (10.0 ft)	kg			*7930	*7930	*5330	5000	*4320	3160	*2830	2140	3040	1730	8.48
	lb			*17480	*17480	*11750	11020	*9520	6970	*6240	4720	6700	3810	(27.8)
1.5 m (5.0 ft)	kg			*8090	*8090	*6680	4620	*4950	2980	3620	2070	2960	1670	8.53
	lb			*17840	*17840	*14730	10190	*10910	6570	7980	4560	6530	3680	(28.0)
Ground Line	kg			*7880	*7880	*7520	4360	5010	2840	*3490	2010	3080	1730	8.28
	lb			*17370	*17370	*16580	9610	11050	6260	*7690	4430	6790	3810	(27.2)
-1.5 m (-5.0 ft)	kg	*6690	*6690	*10670	8080	*7650	4260	4930	2780			3450	1950	7.69
	lb	*14750	*14750	*23520	17810	*16870	9390	10870	6130			7610	4300	(25.2)
-3.0 m (-10.0 ft)	kg	*9970	*9970	*10310	8200	*6990	4280	*4900	2800			*3770	2500	6.64
	lb	*21980	*21980	*22730	18080	*15410	9440	*10800	6170			*8310	5510	(21.8)
-4.5 m (-15.0 ft)	kg			*7500	*7500	*4980	4460							
	lb			*16530	*16530	*10980	9830							

Boom : 5.10 m (16' 9") / Arm : 3.10 m (11' 1") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach m (ft)
7.5 m (25.0 ft)	kg											*3030	2850	6.73
	lb											*6680	6280	(22.1)
6.0 m (20.0 ft)	kg							*2890	*2890			*3050	2090	7.88
	lb							*6370	*6370			*6720	4610	(25.9)
4.5 m (15.0 ft)	kg							*3370	3340	*2150	*2150	3040	1740	8.57
	lb							*7430	7360	*4740	*4740	6700	3840	(28.1)
3.0 m (10.0 ft)	kg			*4730	*4730	*3950	3180	*3110	2140	2790	1560	8.91		
	lb			*10430	*10430	*8710	7010	*6860	4720	6150	3440	(29.2)		
1.5 m (5.0 ft)	kg			*10240	8720	*6180	4670	*4640	2980	3610	2050	2710	1500	8.96
	lb			*22580	19220	*13620	10300	*10230	6570	7960	4520	5970	3310	(29.4)
Ground Line	kg			*8650	8130	*7240	4360	4990	2820	3520	1970	2800	1540	8.73
	lb			*19070	17920	*15960	9610	11000	6220	7760	4340	6170	3400	(28.6)
-1.5 m (-5.0 ft)	kg	*6290	*6290	*10300	7990	*7610	4210	4880	2730	*3250	1930	3090	1720	8.17
	lb	*13870	*13870	*22710	17610	*16780	9280	10760	6020	*7170	4250	6810	3790	(26.8)
-3.0 m (-10.0 ft)	kg	*8930	*8930	*10930	8050	*7230	4190	4870	2710			*3660	2130	7.21
	lb	*19690	*19690	*24100	17750	*15940	9240	10740	5970			*8070	4700	(23.7)
-4.5 m (-15.0 ft)	kg	*12410	*12410	*8670	8270	*5820	4310					*3390	3290	5.59
	lb	*27360	*27360	*19110	18230	*12830	9500					*7470	7250	(18.3)













- 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













R160LCD-9 / HYDRAULIC ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.10 m (16' 9") / Arm : 2.20 m (7' 3") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
6.0 m (20.0 ft)	kg lb											*3750 8270	2520 5560	7.06 (23.2)
4.5 m (15.0 ft)	kg lb						*4170 9190	3280 7230				3540 7800	2040 4500	7.83 (25.7)
3.0 m (10.0 ft)	kg lb				*5860 12920	4950 10910	*4630 10210	3130 6900				3220 7100	1830 4030	8.21 (26.9)
1.5 m (5.0 ft)	kg lb				*7010 15450	4560 10050	*5140 11330	2970 6550	*3450 7610	2060 4540		3140 6920	1760 3880	8.27 (27.1)
Ground Line	kg lb			*6200 13670	*6200 13670	*7590 16730	4340 9570	5050 11130	2840 6260			3290 7250	1840 4060	8.01 (24.3)
-1.5 m (-5.0 ft)	kg lb	*6200 13670	*6200 13670	*10330 22770	8130 17920	*7430 16380	4280 9440	5000 11020	2800 6170			*3710 8180	2120 4670	7.39 (22.2)
-3.0 m (-10.0 ft)	kg lb			*9150 20170	8320 18340	*6410 14130	4350 9590					*3300 7280	2800 6170	6.28 (20.6)

Boom : 5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.70 m³ (0.92 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 2,900 kg (6,390 lb) counterweight

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
6.0 m (20.0 ft)	kg lb											*3450 7610	2280 5030	7.48 (24.5)
4.5 m (15.0 ft)	kg lb											3280 7230	1870 4120	8.20 (26.9)
3.0 m (10.0 ft)	kg lb						*4350 9590	3150 6940	*3250 7170	2120 4670		2990 6590	1680 3700	8.57 (28.1)
1.5 m (5.0 ft)	kg lb			*6980 15390	*6980 15390	*6660 14680	4590 10120	*4920 10850	2960 6530	3630 8000	2040 4500	2920 6440	1620 3570	8.62 (28.3)
Ground Line	kg lb			*7040 15520	*7040 15520	*7420 16360	4310 9500	5020 11070	2810 6190	3560 7850	1980 4370	3030 6680	1680 3700	8.37 (27.5)
-1.5 m (-5.0 ft)	kg lb	*6030 13290	*6030 13290	*9960 21960	8010 17660	*7480 16490	4210 9280	4940 10890	2740 6040			3400 7500	1900 4190	7.78 (25.5)
-3.0 m (-10.0 ft)	kg lb	*9490 20920	*9490 20920	*9860 21740	8150 17970	*6740 14860	4250 9370	*4700 10360	2780 6130			*3350 7390	2430 5360	6.76 (22.2)
-4.5 m (-15.0 ft)	kg lb			*6840 15080	*6840 15080	*4560 10050	4460 9830							

- 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 cabin with 360° visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window
One key fits all lockable doors
Hot & cool box
Storage compartment & ashtray
Transparent cabin roof-cover
CD/MP3 Player
Handsfree mobile phone system with USB-charging device
Sun visor

Computer aided power optimization (New 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
- Low speed/High speed
- Fuel warmer
- Auto idle

Two outside rearview mirrors

Mechanical suspension with heater

Adjustable joysticks

Console box height adjust system

4 front working lights

Electric horn

Batteries (2 x 12 V x 100 AH)

Battery master switch

Removable clean-out screen for cooler

Automatic swing brake

Removable reservoir tank

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Counterweight (2,950 kg; 6,500 lb)

Track shoes (600 mm; 24")

Track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover

Viscous fan clutch

OPTIONAL EQUIPMENT

Fuel filler pump (35 L/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Quick coupler

12 volt power outlet (24V DC to 12V DC converter)

Travel alarm

Arms

Short arm (2.2 m; 7' 3")

Long arm (3.1 m; 10' 2")

Bucket

Various optional buckets (SAE heaped)

Standard bucket (0.70 m³; 0.92 yd³)

Narrow bucket (0.39 m³; 0.51 yd³)

Narrow bucket (0.50 m³; 0.65 yd³)

Narrow bucket (0.64 m³; 0.84 yd³)

Light duty bucket (0.89 m³; 1.16 yd³)

Heavy duty bucket (0.69 m³; 0.90 yd³)

Temperature control

Air conditioner only

Heater only

Cabin FOPS/FOG (ISO/DIS 10262)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cover

Cabin lights

Rain guard - front window

Track shoes

Triple grousers shoe (500 mm; 20")

Triple grousers shoe (700 mm; 28")

Additional cover under lower frame

Coolant pre-heating system

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)

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

PLEASE CONTACT



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