

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
Transparent cabin roof-cover
CD/MP3 Player
Handsfree mobile phone system with USB
Sun visor
Computer aided power optimization (New CAPO) system
3-power mode, 3-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
Console box height adjust system
Three front working lights
Electric horn
Batteries (2 x 12V x 160 AH)
Battery master switch
Removable clean-out screen for oil cooler
Automatic swing brake
Removable reservoir tank
Fuel pre-filter with fuel warmer
Boom holding system
Arm holding system
Counterweight (6,500kg, 14,330lb)
Track shoes (600mm, 24")
Track rail guard
Accumulator for lowering work equipment
Electric transducer
Lower frame under cover (Normal)

OPTIONAL EQUIPMENT

Fuel filler pump (50 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
Booms
6.15 m, 20' 2"
6.5 m, 21' 4"
6.5 m, 21' 4" Heavy Duty
8.6 m, 28' 3"
Arms
2.5 m, 8' 2"
3.2 m, 10' 6"
3.2 m, 10' 6" Heavy Duty
3.9 m, 12' 1"
4.3 m, 14' 1"
5.1 m, 16' 9"
Climate 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
Cabin front window rain guard
Track shoes
Triple grousers shoe (700mm, 28")
Triple grousers shoe (750mm, 30")
Triple grousers shoe (800mm, 32")
Triple grousers shoe (900mm, 36")
Full track rail guard
Lower frame under cover (Additional)
Pre-heating system, coolant
Tool kit
Operator suit
Rearview camera
Seat
Adjustable air suspension seat
Adjustable air suspension seat with heater
Mechanical suspension seat with heater
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

www.hyundai-ce.com

2009.08 Rev 0

 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.
CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
1 JEONHA-DONG, DONG-GU, ULSAN, KOREA TEL: (82) 52-202-7970, 7729, 0971 FAX: (82) 52-202-7979, 7720

U.S. Operation: Hyundai Construction Equipment U.S.A., Inc.
955 ESTES AVENUE, ELK GROVE VILLAGE, IL 60007, U.S.A. TEL: (1) 847-437-3333 FAX: (1) 847-437-3574

European Operation: Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

India Operation: Hyundai Construction Equipment India Pvt., Ltd.
PLOT NO.A-2, CHAKAN INDUSTRIAL AREA, VILL.- KHALUMBRE, TALUK.- KHED., DIST.- PUNE 410 501, INDIA
TEL: (91) 21-3530-1700 FAX: (91) 21-3530-1712

We build a better future

Robex
380LC-9

With Tier 3 Engine installed



*Photo may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.

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 a Hyundai!



Robex 380LC-9

Machine Walk-Around

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

Engine Technology

Proven / reliable, fuel efficient Cummins Tier III QSC engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine overheat 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 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

Improved Visibility

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

Improved Cab Construction

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

Improved Suspension Seat / Console Assembly

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

Advanced 7" Color Cluster

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

3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference
Enhanced self-diagnostic features with GPS download capability
One pump flow or two pump flow for optional attachment 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.

*Photo may include optional equipment.

Preference

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



*Photo may include optional equipment.



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 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full automatic high capacity airconditioning system and the CD/MP3 radio.



Reduced Stress

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



Operator - Friendly Cluster

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



Precision

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



*Photo may include optional equipment.

Computer Aided Power

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

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

Power Mode

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

Work Mode

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

User Mode

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

Improved Hydraulic System



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

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

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

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



Auto Boom-swing Priority

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

Performance

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



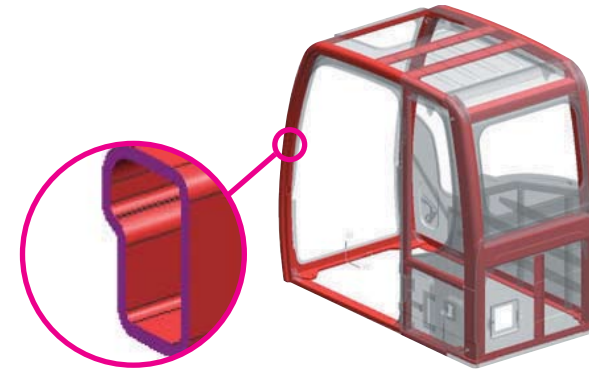
*Photo may include optional equipment.



Track Rail Guard & Adjusters

Durable track rail guards keep track links in place. Track adjustment is made easy with

standard grease cylinder track adjusters and shock absorbing springs.



Structure Strength

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

CUMMINS QSL Engine

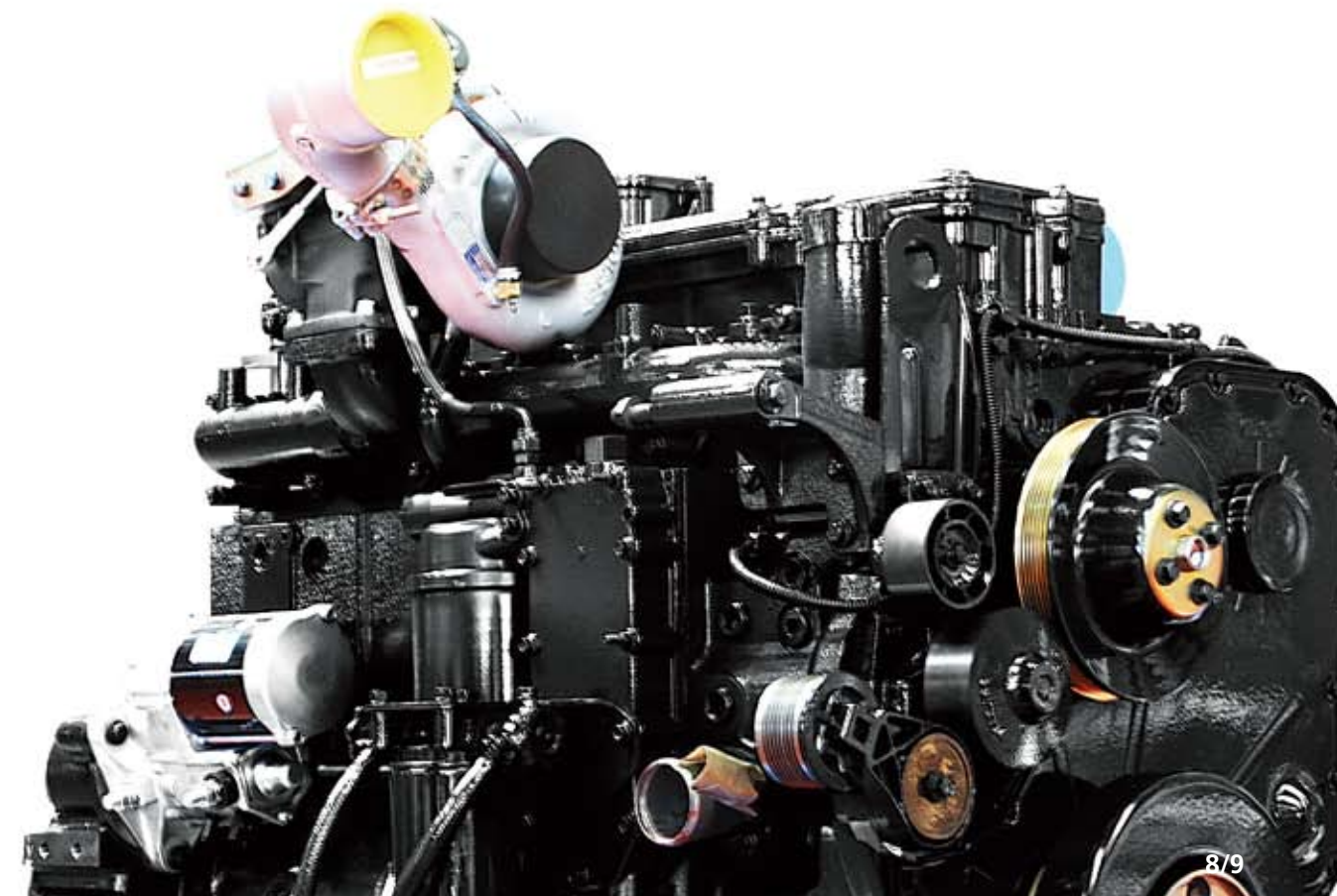
The Tier III, six cylinder, 4 cycle, turbo-charged, charge air cooled, Cummins QSL engine provides maximum power, reliability, optimum fuel economy, and reduced emissions. Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.

Heavy-duty strength

Everyone who's ever worked on construction equipment knows, there is no substitute for power and durability. The QSL handles the toughest loads and the roughest work conditions.

At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation. Plus, the heavy-duty design of the QSL engine block and components such as articulated pistons, enhanced camshaft and roller cam followers, viscous damper and high capacity lube system add reliability and durability you can count on every day, year after year.

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

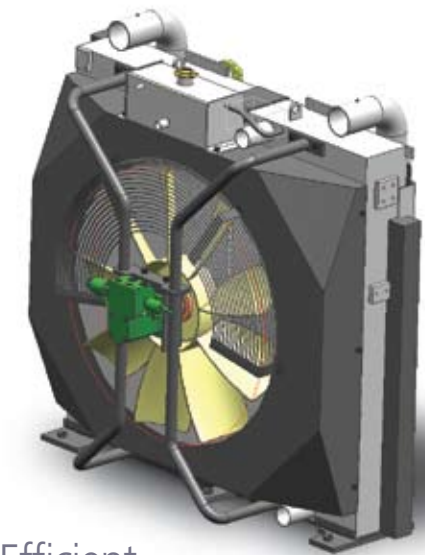


Profitable

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



*Photo may include optional equipment.



Fuel Efficient

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



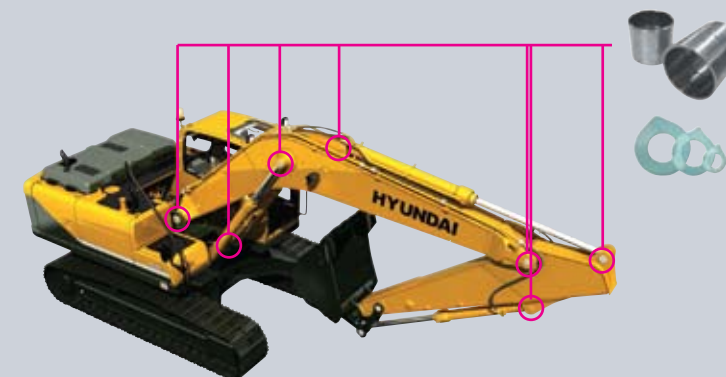
Hi-mate (Remote Management System)

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



Easy Access

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



Extended Life Components

9 series excavators were designed with extended lubricant bush life & ultra high molecular weight polymer shim (wear resistant, noise reducing), extended-life hydraulic filters (1,000hr), long-life hydraulic oil (5,000hr), more efficient cooling systems and integrated preheating systems to long extend service intervals, minimize operating costs and reduce machine down time.

Specifications

ENGINE

MODEL		Cummins QSL	
Type		Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission	
Rated flywheel horse power	SAE	J1995 (gross)	296 HP (221 kW)/ 1,850 rpm
		J1349 (net)	271 HP (202 kW)/ 1,850 rpm
horse power	DIN	6271/1 (gross)	300 PS (221 kW)/ 1,850 rpm
		6271/1 (net)	275 PS (202 kW)/ 1,850 rpm
Max. torque		148.0 kgf-m(1,070 lbf-ft)/ 1,400 rpm	
Bore X stroke		114 x 145 mm (4.5" x 5.7")	
Piston		8,900cc (540 in ³)	
Batteries		2 X 12V X 160AH	
Starting motor		24V- 7.5kW	
Alternator		24V- 50Amp	

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Rated flow	2 X 288L /min (76.6 US gpm / 63.8 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	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (4,765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	260 kgf/cm ² (3,700 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder	Boom: 2-160 X 1,500 mm (6.3" X 59.1")
bore X stroke	Arm: 1-170 X 1,760 mm (6.7" X 69.3")
	Bucket: 1-150 X 1,295 mm (5.9" X 51.0")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	32,000 kgf (70,548 lbf)
Max. travel speed(high) / (low)	4.8 km/hr (2.8 mph) / 3.0 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

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

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
Lights	Two lights mounted on the boom, one light mounted on the battery box

SWING SYSTEM

Swing motor	Two fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.3 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	550	145.3	121.0
Engine coolant	45.0	11.9	9.9
Engine oil	33.5	8.8	7.4
Swing device-gear oil	8.0	1.6	1.3
Final drive(each)-gear oil	7.0	1.8	1.5
Hydraulic system(including tank)	410	108.3	90.2
Hydraulic tank	210	55.5	46.2

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	51
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of rail guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

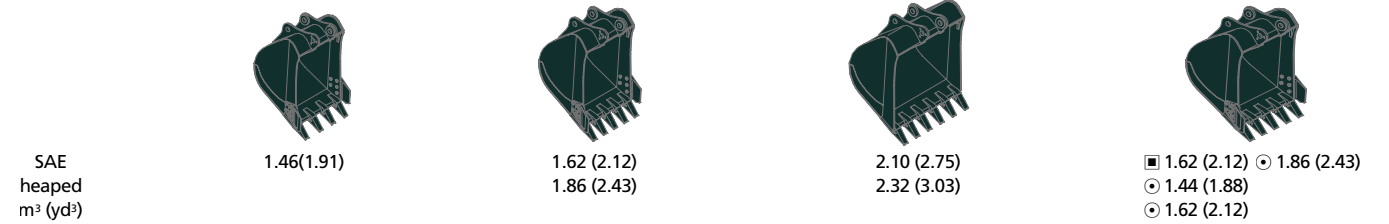
Operating weight, including 6,500mm (21' 4") boom, 3,200mm (10' 6") arm, SAE heaped 1.62m³ (2.12 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	8,750 kg (19,290 lb)
Counterweight	6,500 kg (14,330 lb)
Boom (with Arm cylinder)	3,780 kg (8,330 lb)
Arm (with Bucket cylinder)	2,010 kg (4,430 lb)

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg(lb)	kgf/cm ² (psi)
Triple grouser	600 (24")	38,200 (84,220)	0.68 (9.67)
	700 (28")	38,650 (85,210)	0.59 (8.39)
	750 (30")	38,875 (85,700)	0.56 (7.96)
	800 (32")	39,100 (86,200)	0.52 (7.39)
	900 (36")	39,550 (87,190)	0.47 (6.68)

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		6,500 (21' 4") Boom				6,150 (20' 2") Boom	8,600 (28' 3") Boom	
				Without sidecutters	With sidecutters	2,500 (8' 2") Arm	3,200 (10' 6") Arm			3,900 (12' 1") Arm
1.46(1.91)	1.27(1.66)	1,380(54.3)	1,510(59.4)	1,170(2,580)	●	●	●	■	●	▲
1.62(2.12)	1.40(1.83)	1,440(56.7)	1,570(61.8)	1,280(2,820)	●	●	■	■	●	-
1.86(2.43)	1.60(2.1)	1,620(63.8)	1,750(68.9)	1,390(3,060)	●	●	■	▲	●	-
2.10(2.75)	1.80(2.40)	1,810(71.3)	1,940(76.4)	1,520(3,350)	■	■	▲	-	●	-
2.32(3.03)	2.00(2.62)	1,990(78.3)	2,120(83.5)	1,760(3,880)	▲	▲	▲	-	■	-
■ 1.62(2.12)	1.40(1.83)	1,540(60.6)	-	1,570(3,460)	●	■	▲	▲	●	-
○ 1.44(1.88)	1.27(1.66)	1,280(50.4)	-	1,565(3,450)	●	●	■	▲	●	-
○ 1.62(2.12)	1.40(1.83)	1,545(60.8)	-	1,610(3,550)	●	■	▲	▲	●	-
○ 1.86(2.43)	1.60(2.1)	1,725(67.9)	-	1,710(3,770)	■	▲	-	-	■	-

■ Heavy duty bucket

○ Rock-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. 6.5m, 6.15m, 8.6m booms and 2.5m, 3.2m, 3.9m, 4.3m, 5.1m arms are available.

DIGGING FORCE

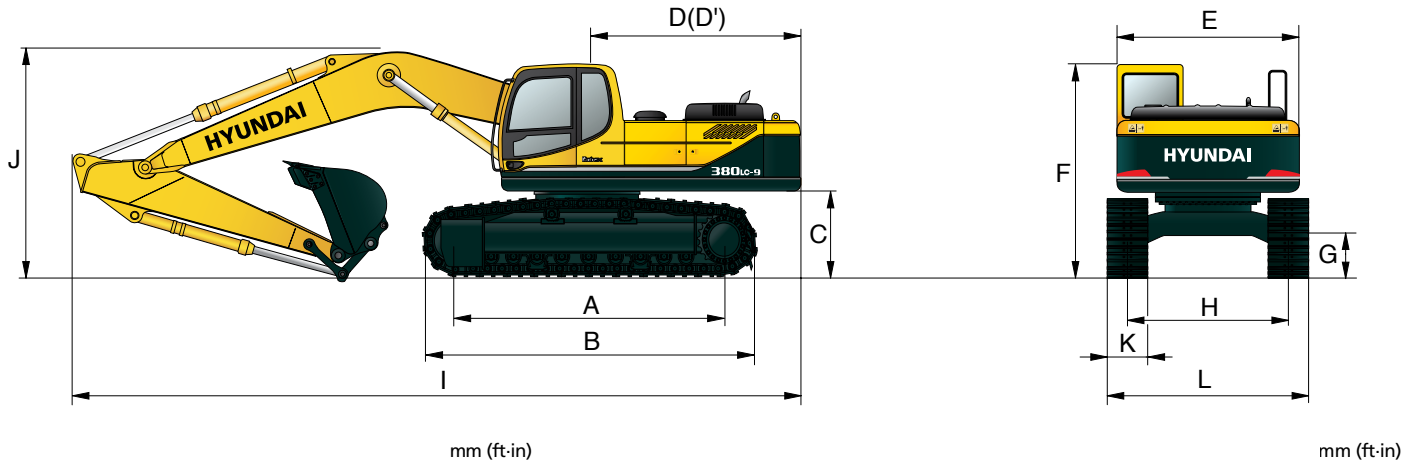
Boom	Length	mm (ft-in)	6,500 (21' 4")				8,600 (28' 3")	Remarks
	Weight	kg (lb)	3,780 (8,330)				4,560 (10,050)	
Arm	Length	mm (ft-in)	2500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	5,100 (16' 9")	Power Boost
	Weight	kg (lb)	1,990 (4,390)	2,010 (4,430)	2,220 (4,890)	2,340 (5,160)	2,560 (5,640)	
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	[]: Power Boost
		kgf	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	
		lbf	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	
	ISO	kN	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	
		kgf	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	
		lbf	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	
Arm crowd force	SAE	kN	184.4 [201.1]	152.0 [165.8]	135.3 [147.6]	124.5 [135.9]	109.8 [119.8]	
		kgf	18,800 [20,510]	15,500 [16,910]	13,800 [15,050]	12,700 [13,850]	11,200 [12,220]	
		lbf	41,450 [45,220]	34,170 [37,280]	30,420 [33,190]	28,000 [30,550]	24,690 [26,930]	
	ISO	kN	192.2 [209.7]	156.9 [171.2]	139.3 [151.9]	128.5 [140.1]	112.8 [123.0]	
		kgf	19,600 [21,380]	16,000 [17,450]	14,200 [15,490]	13,100 [14,290]	11,500 [12,550]	
		lbf	43,210 [47,140]	35,270 [38,480]	31,310 [34,160]	28,880 [31,510]	25,350 [27,650]	

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

Arm weight includes bucket cylinder, linkage, and pin

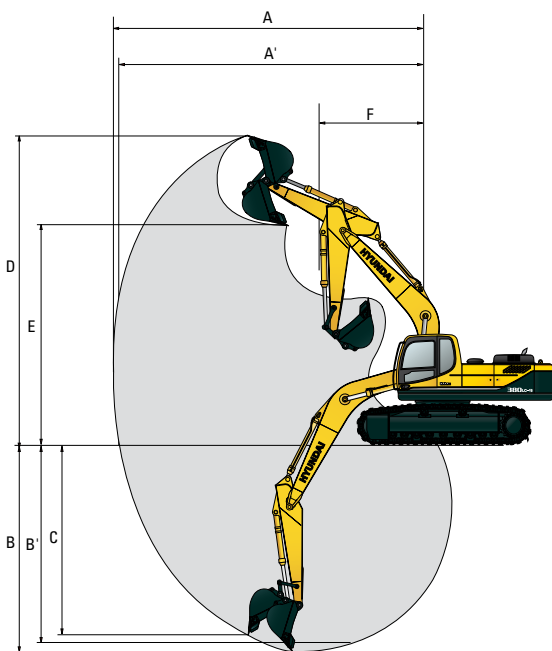
Dimensions & Working Range

R380LC-9 DIMENSIONS



mm (ft-in)		mm (ft-in)					
A Tumbler distance	4,340 (14' 3")	Boom length 6,500 (21' 4") 6,150 (20' 2") 8,600 (28' 3")					
B Overall length of crawler	5,280 (17' 4")	Arm length 2,500 (8' 2") 3,200 (10' 6") 3,900 (12' 1") 4,300 (14' 1") 2,500 (8' 2") 5,100 (16' 9")					
C Ground clearance of counterweight	1,290 (4' 3")	I Overall length 11,240 (36' 11") 11,120 (36' 6") 11,160 (36' 4") 11,110 (36' 3") 10,880 (35' 8") 13,070 (42' 11")					
D Tail swing radius	3,415 (11' 2")	J Overall height of boom 3,710 (12' 2") 3,450 (11' 4") 3,880 (12' 8") 4,300 (14' 0") 3,760 (12' 7") 4,910 (15' 1")					
D' Rear-end length	3,350 (11' 0")	K Track shoe width 600 (24") 700 (28") 750 (30") 800 (32") 900 (36")					
E Overall width of upperstructure	2,980 (9' 9")	L Overall width 3,340 (10' 11") 3,440 (11' 3") 3,490 (11' 5") 3,540 (11' 7") 3,640 (11' 11")					
F Overall height of cab	3,175 (10' 5")						
G Min. ground clearance	550 (1' 10")						
H Track gauge	2,740 (9' 0")						

R380LC-9 WORKING RANGE



mm (ft-in)		mm (ft-in)					
Boom length		6,500 (21' 4") 6,150 (20' 2") 8,600 (28' 3")					
Arm length		2,500 (8' 2") 3,200 (10' 6") 3,900 (12' 1") 4,300 (14' 1") 2,500 (8' 2") 5,100 (16' 9")					
A Max. digging reach	10,720 (35' 2")	11,250 (36' 11")	11,870 (38' 11")	12,380 (39' 12")	10,330 (33' 11")	15,280 (50' 2")	
A' Max. digging reach on ground	10,490 (34' 5")	11,040 (36' 3")	11,670 (38' 3")	12,180 (40' 0")	10,100 (33' 2")	15,120 (49' 7")	
B Max. digging depth	6,820 (22' 5")	7,520 (24' 8")	8,220 (26' 12")	8,620 (28' 3")	6,450 (21' 2")	11,230 (36' 10")	
B' Max. digging depth (8' level)	6,640 (21' 9")	7,360 (24' 2")	8,080 (26' 6")	8,490 (27' 10")	6,270 (20' 7")	11,120 (36' 6")	
C Max. vertical wall digging depth	5,930 (19' 5")	6,330 (20' 9")	7,040 (23' 1")	7,540 (24' 9")	5,490 (18' 0")	10,060 (33' 0")	
D Max. digging height	10,590 (34' 9")	10,570 (34' 8")	10,800 (35' 5")	11,360 (37' 3")	10,320 (33' 10")	13,350 (43' 10")	
E Max. dumping height	7,370 (24' 2")	7,410 (24' 4")	7,640 (25' 1")	8,160 (26' 4")	7,120 (23' 4")	10,150 (33' 4")	
F Min. swing radius	4,530 (14' 10")	4,450 (14' 7")	4,440 (14' 7")	4,460 (14' 8")	4,220 (13' 10")	5,900 (19' 4")	

Lifting Capacity

R380LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.15 m (20' 2") / Arm : 2.5 m (8' 2") / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m (ft)	Load radius								At max. reach		
	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
9.0 m (30.0 ft)	kg								*7580	*7580	6.65
7.5 m (25.0 ft)	kg								*16710	*16710	(21.8)
6.0 m (20.0 ft)	kg								*7420	*7420	8.02
4.5 m (15.0 ft)	kg								*16360	13650	(26.3)
3.0 m (10.0 ft)	kg								*7460	4980	8.88
1.5 m (5.0 ft)	kg								*16450	10980	(29.1)
Ground	kg								*7460	4980	8.88
Line	kg								*16450	10980	(29.1)
-1.5 m (-5.0 ft)	kg	*18270	*18270	*12170	*12170	*9790	9680	*8620	6560	7480	9.38
-3.0 m (-10.0 ft)	kg	*40280	*40280	*26830	*26830	*21580	21340	*19000	14460	16490	9.38
-4.5 m (-15.0 ft)	kg			*15380	14190	*11300	9030	*9350	6250	7050	9.58
	kg			*33910	31280	*24910	19910	*20610	13780	15540	9.58
	kg			*17740	13080	*12640	8450	*10060	5940	7010	9.52
	kg			*39110	28840	*27870	18630	*22180	13100	15450	9.52
	kg			*13400	*13400	*18580	12560	*13410	8060	10120	9.19
	kg			*29540	*29540	*40960	27690	*29560	17770	22310	9.19
	kg			*21020	*21020	*18170	12420	*13400	7880	10010	9.53
	kg			*46340	*46340	*40060	27380	*29540	17370	22070	9.53
	kg			*22960	*22960	*16580	12540	*12330	7930		9.53
	kg			*50620	*50620	*36550	27650	*27180	17480		9.53
	kg			*17870	*17870	*13110	12970				9.53
	kg			*39400	*39400	*28900	28590				9.53

Boom : 6.5 m (21' 4") / Arm : 2.5 m (8' 2") / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m (ft)	Load radius								At max. reach			
	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	
9.0 m (30.0 ft)	kg									*6820	*6820	7.22
7.5 m (25.0 ft)	kg									*15040	*15040	(23.7)
6.0 m (20.0 ft)	kg									*6770	5390	8.49
4.5 m (15.0 ft)	kg									*14930	11880	(27.9)
3.0 m (10.0 ft)	kg									*6850	4400	9.29
1.5 m (5.0 ft)	kg									*15100	9700	(30.5)
Ground	kg									*6850	4400	9.29
Line	kg									*15100	9700	(30.5)
-1.5 m (-5.0 ft)	kg	*17830	*17830	*11870	*11870	*9290	9290	*8060	6340	6800	3870	9.77
-3.0 m (-10.0 ft)	kg	*39310	*39310	*26170	*26170	*20480	20480	*17770	13980	14990	8530	(32.1)
-4.5 m (-15.0 ft)	kg			*15200	13420	*10870	8630	*8870	6000	6450	3610	9.97
	kg			*33510	29590	*23960	19030	*19550	13230	14220	7960	(32.7)
	kg			*17480	12430	*12250	8060	*9650	5690	6420	3570	9.91
	kg			*38540	27400	*27010	17770	*21270	12540	14150	7870	(32.5)
	kg			*18200	12080	*13060	7730	9870	5480	6740	3750	9.59
	kg			*40120	26630	*28790	17040	21760	12080	14860	8270	(31.5)
	kg			*17830	*17830	*17860	12060	*13180	7610	9790	5410	8.97
	kg			*39310	*39310	*39370	26590	*29060	16780	21580	11930	9.97
	kg			*22850	*22850	*16580	12250	*12430	7700			9.97
	kg			*50380	*50380	*36550	27010	*27400	16980			9.97
	kg			*18790	*18790	*13880	12720					9.97
	kg			*41420	*41420	*30600	28040					9.97

Boom : 6.5 m (21' 4") / Arm : 3.2 m (10' 6") / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm(24") triple grouser with 6,500kg (14,330 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)		9.0 m (30.0 ft)		Capacity		Reach	
9.0 m (30.0 ft)	kg													*5950	*5950	7.97
7.5 m (25.0 ft)	kg													*13120	*13120	(26.1)
6.0 m (20.0 ft)	kg													*6020	4820	9.12
4.5 m (15.0 ft)	kg													*13270	10630	(29.9)
3.0 m (10.0 ft)	kg													*6110	4010	9.87
1.5 m (5.0 ft)	kg													*13470	8840	(32.4)
Ground	kg													*6190	3550	10.32
Line	kg													*13650	7830	(33.9)
-1.5 m (-5.0 ft)	kg	*13720	*13720	*17520	*17520	*18150	12020	*13170	7600	9750	5370			6730	3740	9.57
-3.0 m (-10.0 ft)	kg	*30250	*30250	*38620	*38620	*40010	26500	*29030	16760	21500	11840			14840	8250	(31.4)
-4.5 m (-15.0 ft)	kg	*17880	*17880	*22800	*22800	*17430	12080	*12880	7580	9750	5370			*7730	4490	8.65
	kg	*39420	*39420	*50270	*50270	*38430	26630	*28400	16710	21500	11840			*17040	9900	(28.4)
	kg	*22600	*22600	*21880	*21880	*15520	12390	*11510	7790					*7690	6200	7.25
	kg	*49820	*49820	*48240	*48240	*34220	27320	*25380	17170					*16950	13670	(23.8)
	kg															
	kg															

- 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.

