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
  - Cabin roof-steel cover
  - Radio & USB player
  - 12 volt power outlet (24V DC to 12V DC converter)
- Computer aided power optimization (New CAPO) system
  - 3-power mode, 2-work mode, User mode
  - Auto deceleration & one-touch deceleration system
  - Auto warm-up system
  - Auto overheat prevention system
- Automatic climate control
  - Air conditioner & heater
  - Defroster
- Self-diagnostics system
- Starting Aid (air grid heater) for cold weather
- Centralized monitoring
  - LCD display
  - Engine speed or Trip meter/Accel.
  - Clock
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warnings
  - 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
- Six front working lights (4 boom mounted, 2 front frame mounted)
- Electric horn
- Batteries (2 x 12V x 160 AH)
- Battery master switch
- Removable clean-out dust net for cooler
- Automatic swing brake
- Removable reservoir tank
- Fuel pre-filter
- Boom holding system
- Arm holding system
- Track shoes (600mm, 24")
- Track rail guard
- Accumulator for lowering work equipment
- Electric transducer
- Lower frame under cover (Normal)

OPTIONAL EQUIPMENT

- Fuel filler pump (35 L/min)
- Beacon lamp
- Single-acting piping kit (breaker, etc.)
- Double-acting piping kit (clamshell, etc.)
- Quick coupler
- Travel alarm
- Booms
  - 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' 10"
  - 4.3 m, 14' 1"
  - 5.1 m, 16' 9"
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS/FOG (ISO/DIS 10262 Level II)
  - FOPS (Falling Object Protective Structure)
  - FOG (Falling Object Guard)
- Cabin lights
- Cabin front window rain guard
- Sun visor
- Track shoes
  - Double grousers shoe (600mm, 24")
  - Double grousers shoe (700mm, 28")
  - Triple grousers shoe (700mm, 28")
  - Triple grousers shoe (750mm, 30")
  - Triple grousers shoe (800mm, 32")
  - Triple grousers shoe (900mm, 36")
  - Triple grousers shoe, heavy duty (600mm, 24")
  - Triple grousers shoe, heavy duty (700mm, 28")
  - Full track rail guard
- Lower frame under cover (Additional)
- Pre-heating system, coolant
- Operator suit
- Tool kit
- Seat
  - Mechanical suspension seat with heater
- Hi-mate (Remote Management System)
- Fuel warmer
- Air compressor
- Rear work lamp

* 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

HYUNDAI CONSTRUCTION EQUIPMENT

www.hyundai-ce.com 2017. 03 Rev.2

We build a better future

Robex 430LC-9SH

With Tier 2 Engine installed

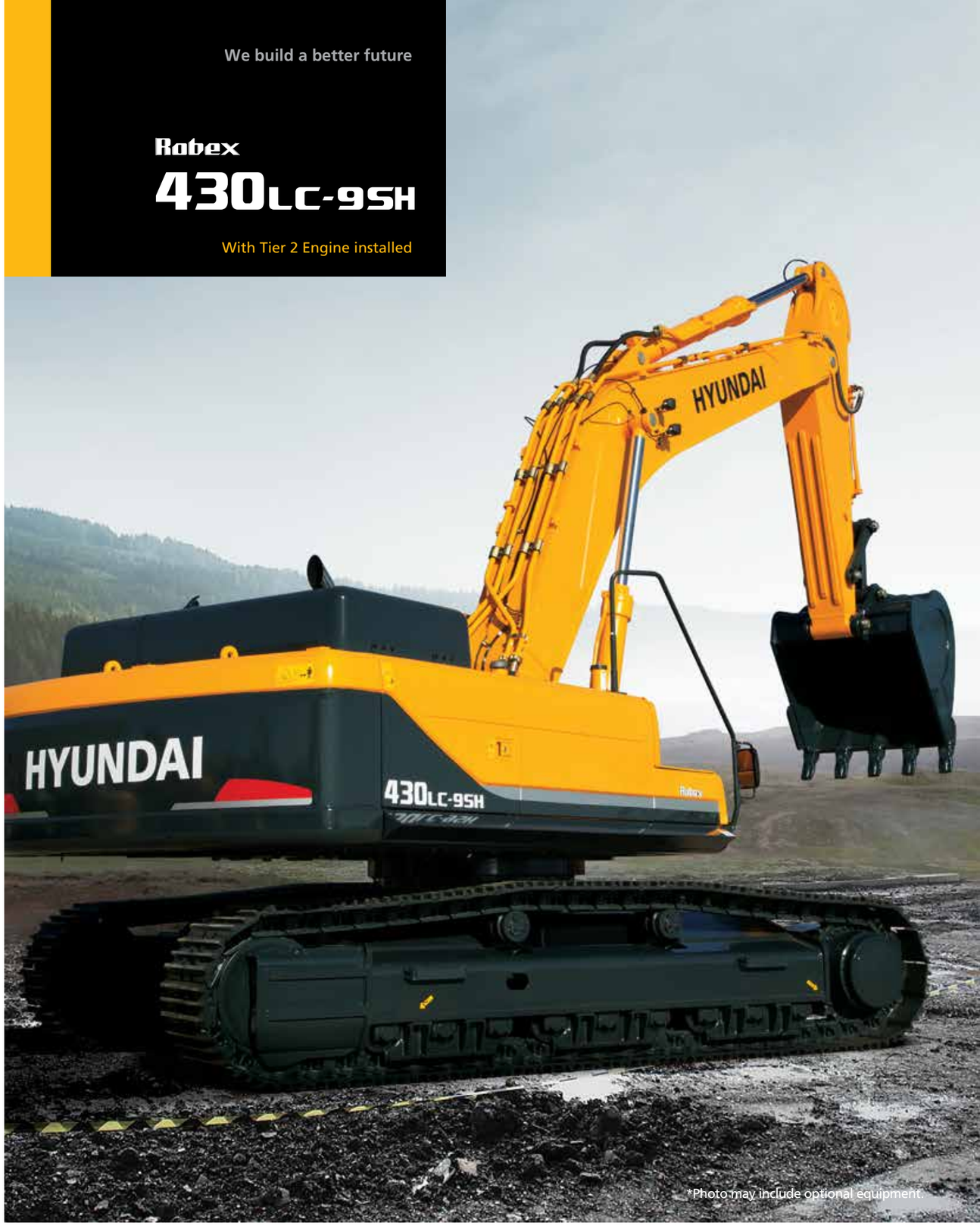


*Photo may include optional equipment.

HYUNDAI CONSTRUCTION EQUIPMENT

Pride at Work

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. Take pride in your work with Hyundai!

Robex 430LC-9SH

*Photo may include optional equipment.

Machine Walk-Around

Engine Technology

Easy & Simple serviceability
Low noise / Auto engine warm up feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps
New compact solenoid block equipped with 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
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

Advanced 7" Color Cluster
New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.
3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference
Enhanced self-diagnostic features with GPS / satellite technology
One pump flow or two pump flow for optional attachment is now selectable through the cluster / New anti-theft system with password capability
Boom speed and arm regeneration are selectable through the monitor.
Auto power boost is now available - selectable (on/off) through the monitor.
Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7 series!
RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps
Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner

Preference

Operating a 9S 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 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system and the radio / USB player.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9S Series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo is perfect for listening to music favorites.

Operator - Friendly Cluster

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

Precision

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

*Photo may include optional equipment.

Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.
The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the hydraulic flow.

Power Mode

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

Work Mode

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

User Mode

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

Improved Hydraulic System

To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.
Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.
Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9S Series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.

Auto Boom-swing Priority

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

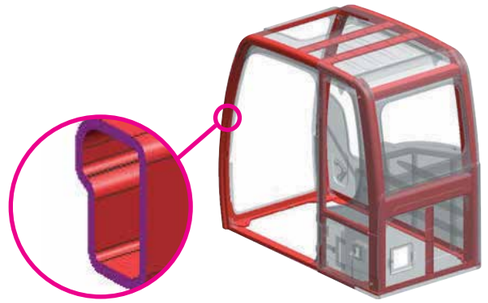
Performance

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

HYUNDAI D6AC-C ENGINE

The six cylinders, 4 cycle, turbo-charged, charger air cooled engine is built for power, reliability, economy and low emissions.

A More Reliable Way To Reach Your Dream.

When you have a tough job to do, you need power precision and flexibility of Hyundai D6AC-C engine. It is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the D6AC-C is built stronger to last longer.

The D6AC-C engine is capable of reaching Tier 2 emission standards without electronic engine controls. It uses durable mechanical IN-LINE fuel injection system. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

Profitability

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

*Photo may include optional equipment.

Fuel Efficiency

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

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 9S series.

Long-Life Components

9S series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.

Specifications

ENGINE

MODEL			HYUNDAI D6AC-C
Type			Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled, low emission
Rated flywheel horse power	SAE	J1995 (gross)	276 HP (206 kW) at 1,900 rpm
		J1349 (net)	261 HP (195 kW) at 1,900 rpm
	DIN	6271/1 (gross)	280 PS (206 kW) at 1,900 rpm
		6271/1 (net)	265 PS (195 kW) at 1,900 rpm
Max. torque			120.0kgf.m (868lbf.ft)/1,400rpm
Bore X stroke			130mm X 140mm (9.56" X 10.3")
Piston displacement			11,149cc (680 in^3)
Batteries			2 X 12V X 160AH
Starting motor			24V, 5.5 kW
Alternator			24V, 70 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Rated flow	2 X 333 L /min (88 US gpm / 73.2 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system.

HYDRAULIC MOTORS	
Travel	Two speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	330 kgf/cm^2 (4,690 psi)
Travel	360 kgf/cm^2 (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm^2 (5,120 psi)
Swing circuit	290 kgf/cm^2 (4,125 psi)
Pilot circuit	40 kgf/cm^2 (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-160 X 1,500 mm (6.3"X 59.1")
	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	34,000 kgf (74,960 lbf)
Max. travel speed(high) / (low)	5.1 km/hr (3.5 mph) / 3.3 km/hr (2.2 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

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

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.6 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	550	145.3	121.0
Engine coolant	45	13.7	11.4
Engine oil	27.3	7.2	6.0
Swing device-gear oil	8.0	2.1	1.8
Final drive(each)-gear oil	12	3.2	2.6
Hydraulic system(including tank)	410.0	108.3	90.2
Hydraulic tank	210.0	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	53 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,500mm (21' 4") H/D boom, 3,200mm (10' 6") H/D arm, SAE heaped 1.9m^3 (2.12 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	8,750 kg (19,290 lb)
Boom (with arm cylinder)	3,890 kg (8,330 lb)
Arm (with bucket cylinder)	2,050 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")	42,600 (93,920)	0.74 (10.52)
	700 (28")	43,140 (95,110)	0.64 (9.10)
	750 (30")	43,410 (95,700)	0.60 (8.53)
	800 (32")	43,680 (96,300)	0.57 (8.11)
	900 (36")	44,220 (97,490)	0.51 (7.25)
Triple grouser (Heavy Duty)	600 (24")	43,440 (95,770)	0.75 (10.67)
	700 (28")	44,380 (97,840)	0.66 (9.39)
Double grouser	600 (24")	42,600 (93,920)	0.74 (10.52)
	700 (28")	43,140 (95,110)	0.64 (9.10)

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m^3 (yd^3)

◉ 2.10 (2.75)

◉ 1.90 (2.49)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft·in)	
					6,500 (21' 4") Boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters		2,600 (8' 6") Arm	3,200 (10' 6") Arm
◉ 2.10 (2.75)	1.84 (2.41)	1,800 (70.9)	-	2,085 (4,600)	■	▲
◉ 1.90 (2.49)	1.65 (2.16)	1,665 (65.6)	-	1,984 (4,370)	■	■

◉ Rock-Heavy duty bucket

● : Applicable for materials with density of 2,000 kg /m^3 (3,370 lb/ yd^3) or less
■ : Applicable for materials with density of 1,600 kg /m^3 (2,700 lb/ yd^3) or less
▲ : Applicable for materials with density of 1,100 kg /m^3 (1,850 lb/ yd^3) or less

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 6.5m, 2.6m booms and 6.5m, 3.2m arms are available.

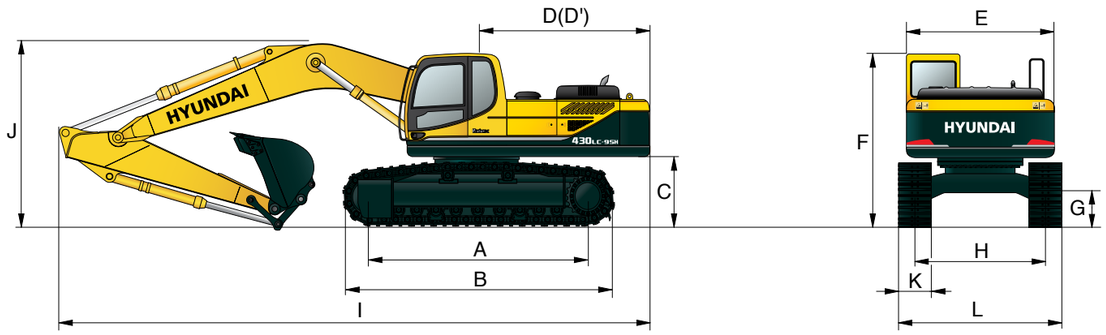
DIGGING FORCE

Boom	Length	mm (ft·in)	6,500 (21' 4")		Remarks
	Weight	kg (lb)	3,780 (8,330)		
Arm	Length	mm (ft·in)	2,600 (8' 6")	3,200 (10' 6")	
	Weight	kg (lb)	1,990 (4,390)	2,010 (4,430)	
Bucket digging force	SAE	kN	200.2 [218.4]	200.1 [218.2]	[ ]: Power Boost
		kgf	20,410 [22,270]	20,400 [22,260]	
		lbf	45,000 [49,090]	44,970 [49,060]	
	ISO	kN	228.7 [249.5]	228.6 [249.4]	
		kgf	23,320 [25,440]	23,310 [25,430]	
		lbf	51,410 [56,080]	51,390 [56,060]	
Arm crowd force	SAE	kN	180.7 [197.2]	152.2 [166.0]	
		kgf	18,430 [20,110]	15,520 [16,940]	
		lbf	40,630 [44,320]	34,220 [37,330]	
	ISO	kN	188.0 [205.1]	157.5 [171.8]	
		kgf	19,170 [20,910]	16,060 [17,520]	
		lbf	42,260 [46,100]	35,410 [38,630]	

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

Dimensions & Working Range

R430LC-9SH DIMENSIONS



mm (ft·in)

A	Tumbler distance	4,470 (14′ 3″)
B	Overall length of crawler	5,462 (17′ 4″)
C	Ground clearance of counterweight	1,295 (4′ 3″)
D	Tail swing radius	3,415 (11′ 2″)
D′	Rear-end length	3,350 (10′ 12″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,190 (10′ 5″)
G	Min. ground clearance	555 (1′ 10″)
H	Track gauge	2,740 (8′ 12″)

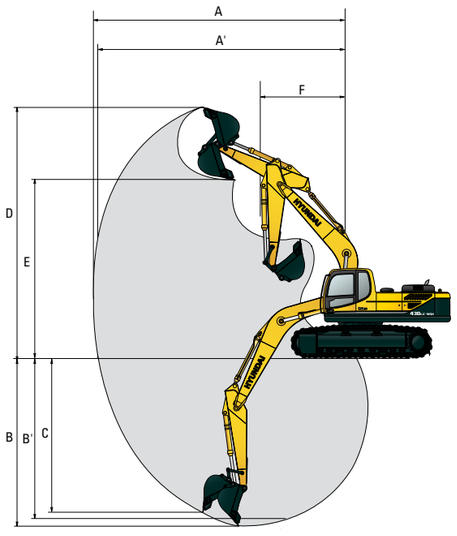
mm (ft·in)

Boom length	6,500 (21′ 4″)		
Arm length	2,600 (8′ 6″)	3,200 (10′ 6″)	
I Overall length	11,240 (36′ 11″)	11,270 (36′ 12″)	
J Overall height of boom	3,780 (12′ 5″)	3,500 (11′ 6″)	

K Track shoe width	600 (24″)	700 (28″)	750 (30″)	800 (32″)	900 (36″)
L Overall width	3,340 (10′ 11″)	3,440 (11′ 3″)	3,490 (11′ 5″)	3,540 (11′ 7″)	3,640 (11′ 11″)

R430LC-9SH WORKING RANGE

mm (ft·in)



Boom length	6,500 (21′ 4″)		
Arm length	2,600 (8′ 6″)	3,200 (10′ 6″)	
A Max. digging reach	10,820 (35′ 6″)	11,250 (36′ 11″)	
A′ Max. digging reach on ground	10,580 (34′ 9″)	11,030 (36′ 2″)	
B Max. digging depth	6,870 (22′ 6″)	7,470 (24′ 6″)	
B′ Max. digging depth (8' level)	6,690 (21′ 11″)	7,310 (23′ 12″)	
C Max. vertical wall digging depth	6,000 (19′ 8″)	6,290 (20′ 8″)	
D Max. digging height	10,710 (35′ 2″)	10,630 (34′ 11″)	
E Max. dumping height	7,480 (24′ 6″)	7,470 (24′ 6″)	
F Min. swing radius	4,530 (14′ 10″)	4,450 (14′ 7″)	

Lifting Capacity

R430LC-9SH

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m (21′ 4″) / Arm : 2.6 m (10′ 6″) / Bucket : 2.10 m³ (2.75 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius 1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		At max. reach Capacity		Reach
																m (ft)
9.0 m	kg													*6020	*6020	7.12
(30 ft)	lb													*13270	*13270	(23.4)
7.5 m	kg													*5940	5660	8.39
(25 ft)	lb													*13100	12480	(27.5)
6.0 m	kg							*7070	*7070	*6570	*6570			*6020	4550	9.20
(20 ft)	lb							*15590	*15590	*14480	*14480			*13270	10030	(30.2)
4.5 m	kg					*10890	*10890	*8400	*8400	*7190	6790			*6170	3950	9.69
(15 ft)	lb					*24010	*24010	*18520	*18520	*15850	14970			*13600	8710	(31.8)
3.0m	kg					*14190	*14190	*9990	9460	*8020	6450	*5280	4530	*6370	3670	9.90
(10 ft)	lb					*31280	*31280	*22020	20860	*17680	14220	*11640	9990	*14040	8090	(32.5)
1.5 m	kg					*16530	13940	*11390	8870	*8820	6130	*6160	4380	*6600	3620	9.85
(5 ft)	lb					*36440	30730	*25110	19550	*19440	13510	*13580	9660	*14550	7980	(32.3)
Ground	kg					*17350	13540	*12240	8510	*9360	5910			*6850	3810	9.55
Line	lb					*38250	29850	*26980	18760	*20640	13030			*15100	8400	(31.3)
-1.5 m	kg			*18300	*18300	*17100	13500	*12400	8380	*9440	5820			*7060	4330	8.95
(-5 ft)	lb			*40340	*40340	*37700	29760	*27340	18470	*20810	12830			*15560	9550	(29.4)
-3.0 m	kg	*20700	*20700	*22350	*22350	*15910	13710	*11730	8470					*7110	5430	8.00
(-10 ft)	lb	*45640	*45640	*49270	*49270	*35080	30230	*25860	18670					*15670	11970	(26.2)
-4.5 m	kg			*18450	*18450	*13360	*13360	*9560	8830					*6560	*6560	6.49
(-15 ft)	lb			*40680	*40680	*29450	*29450	*21080	19470					*14460	*14460	(21.3)

Boom : 6.5 m (21′ 4″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.90 m³ (2.49 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius 1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		At max. reach Capacity		Reach
																m (ft)
9.0 m	kg													*5360	*5360	7.74
(30 ft)	lb													*11820	*11820	(25.4)
7.5 m	kg									*3900	*3900			*5410	5250	8.91
(25 ft)	lb									*8600	*8600			*11930	11570	(29.2)
6.0 m	kg									*5980	*5980			*5540	4300	9.68
(20 ft)	lb									*13180	*13180			*12210	9480	(31.8)
4.5 m	kg							*7640	*7640	*6670	*6670			*5730	3760	10.14
(15 ft)	lb							*16840	*16840	*14700	*14700			*12630	8290	(33.3)
3.0m	kg					*12880	*12880	*9320	*9320	*7590	6670	*3800	*3800	*5980	3490	10.34
(10 ft)	lb					*28400	*28400	*20550	*20550	*16730	14700	*8380	*8380	*13180	7690	(33.9)
1.5 m	kg					*15700	14410	*10900	9130	*8510	6310	*5750	4720	*6250	3430	10.29
(5 ft)	lb					*34610	31770	*24030	20130	*18760	13910	*12680	10410	*13780	7560	(33.8)
Ground	kg			*13740	*13740	*17160	13750	*12010	8670	*9220	6030	*6910	4530	*6560	3570	10.01
Line	lb			*30290	*30290	*37830	30310	*26480	19110	*20330	13290	*15230	9990	*14460	7870	(32.8)
-1.5 m	kg	*14390	*14390	*18220	*18220	*17420	13540	*12480	8450	*9530	5880	*6440	4380	*6880	3980	9.44
(-5 ft)	lb	*31720	*31720	*40170	*40170	*38400	29850	*27510	18630	*21010	12960	*12400	9660	*15170	8770	(31.0)
-3.0 m	kg	*18590	*18590	*23550	*23550	*16700	13630	*12190	8440	*9220	5890			*7140	4830	8.55
(-10 ft)	lb	*40980	*40980	*51920	*51920	*36820	30050	*26870	18610	*20330	12990			*15740	10650	(28.1)
-4.5 m	kg	*23340	*23340	*21080	*21080	*14800	13960	*10810	8660					*7160	6750	7.18
(-15 ft)	lb	*51460	*51460	*46470	*46470	*32630	30780	*23830	19090					*15790	14880	(23.6)
-6.0 m	kg					*10680	*10680									
(-20 ft)	lb					*23550	*23550									

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.