

Robex Equipped with EU Stage IIIB Engine

260LC-9A

430LC-9A

300LC-9A

480LC-9A

330LC-9A

520LC-9A

380LC-9A

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES



 **HYUNDAI**

PRIDE AT WORK

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

Be proud of your work with Hyundai!



*Photo may include optional equipment.

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Machine Walk-Around

Engine Technology

Proven, reliable, fuel efficient, low emission and low noise Cummins Tier 4 Interim & EU Stage IIIB engine.

Hydraulic System Improvements

New patented hydraulic system for maximum controllability / Automatic boom vs. swing priority for maximum productivity / Automatic power boost for extra power / Improved arm & boom regeneration for higher speed and better efficiency.

Pump Compartment

Powerful and reliable axial piston pumps.

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

Enhanced Operators' Cab

Improved Visibility

Spacious cabin with large glass area.

Roll-up type sun visor for operators' convenience.

Rigid Cabin Construction

New steel tube construction for operator safety, higher level of protection and increased durability. All windows consist of Safety glass.

Improved Seat & Console

Ergonomic joysticks with auxiliary buttons for attachment control.

Standard mechanic suspension with heater or optional air suspension.

Advanced 7" Color Cluster with Touch Screen

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

A new developed rear-view camera is integrated.

3 power modes: Power / Standard / Economy, 2 work modes : Digging / Attachment, User mode for saving operators' preferences.

One pump flow or two pump flow summation for attachment control /

Anti-theft system with password entry.

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.

Robust Undercarriage

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

PRECISION

Innovative hydraulic system technologies make the 9A series excavator fast, smooth and easy to control. With a precise machine response, the 9A series excavators are offering optimal performance and maximum productivity.



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Computer Aided Power

The advanced CAPO (Computer Aided Power Optimization) system tunes engine and pump power to optimum levels, 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. 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** 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** 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 top level controllability. 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.



Smart Key System

The 9A series excavators are equipped with an electronic Smart Key. Through radio frequency identification, the system recognizes if the programmed Smart Key is available in the cabin, allowing the operator to start the engine by the push of a start/stop button without inserting a key in the ignition. Several Smart Keys can be programmed to start one machine, several machines can be programmed to be started by one Smart Key.

PERFORMANCE

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

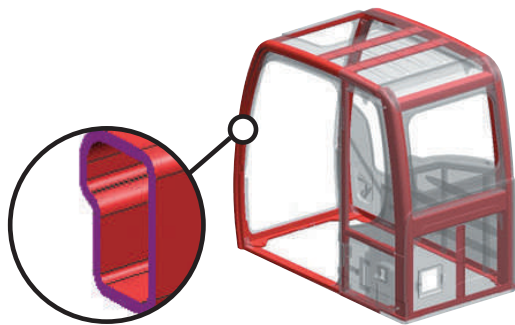


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Track Rail Guard & Adjusters

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

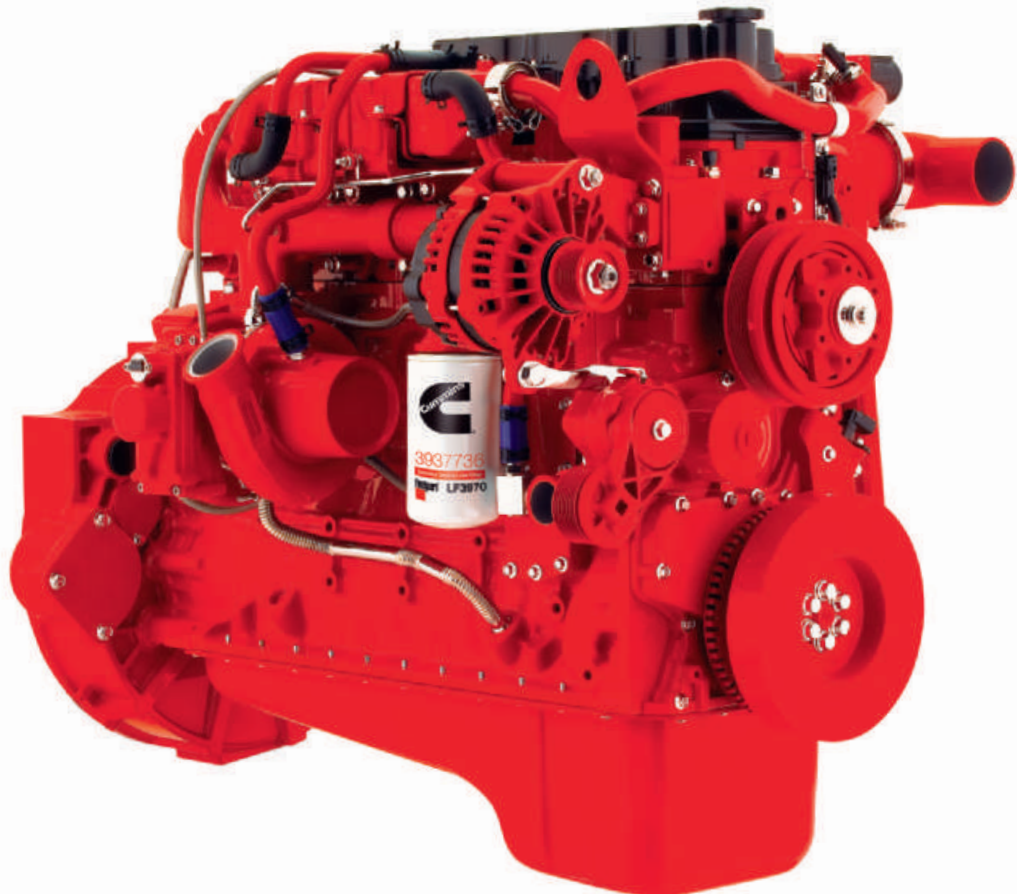


Structural Strength

A reinforced cabin, with ROPS-certificate up to R480LC-9A, is designed with slimmer but stronger tubing to enhance operator safety and visibility.

Cleaner Cummins Engines

Cummins engines above 174 hp (130 kW) meet Tier 4 Interim / EU Stage IIIB emissions standards with the combination of a cooled-EGR system, High Pressure Common Rail (HPCR) fuel system and a Cummins Diesel Particulate Filter (DPF). These engines are furthermore equipped with a patented Cummins Direct Flow™ air filter and a VGT™ Turbocharger. The result is an engine that delivers better performance with faster cycle times and gets up to 5% better fuel efficiency.



PROFITABILITY

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



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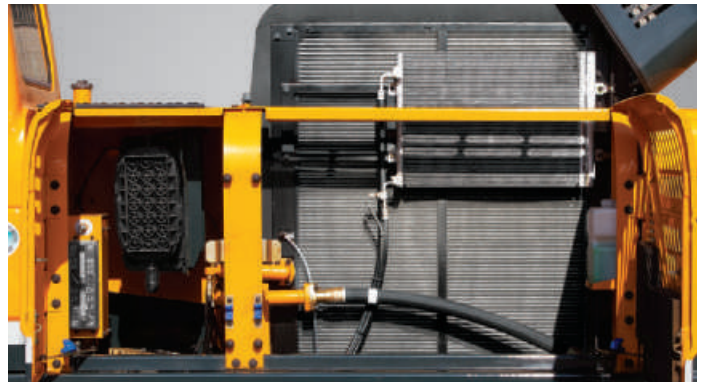
Fuel Efficiency

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



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.



Easy Access

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

Extended Life of Components



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

PRODUCT OVERVIEW

The Robex-9A Series excavators in the range of operating weight 26 ~ 52 tons.

R260LC-9A



ENGINE

Type	Cummins QSB6.7
Engine Power (Net)	140 kW / 1,900 rpm

OPERATING SPECIFICATIONS

Operating Weight	25,200 kg
Bucket Capacity	0.60~1.50 m ³
Max. Digging Depth	7,550 mm
Max. Digging Reach	10,870 mm
Max. Tail Overhang (600 mm tracks)	1,385 mm
Bucket Digging Force (ISO)	193.8 kN
Arm Crowd Force (ISO)	151.2 kN

ALSO AVAILABLE:

Narrow chassis, High Walker

R300LC-9A



ENGINE

Type	Cummins QSB6.7
Engine Power (Net)	168 kW / 1,900 rpm

OPERATING SPECIFICATIONS

Operating Weight	29,800 kg
Bucket Capacity	0.79~1.85 m ³
Max. Digging Depth	14,820 mm
Max. Digging Reach	18,510 mm
Max. Tail Overhang (600 mm tracks)	1,600 mm
Bucket Digging Force (ISO)	208.7 kN
Arm Crowd Force (ISO)	206.6 kN

ALSO AVAILABLE:

Narrow chassis, Long reach, High Walker

R330LC-9A



ENGINE

Type	Cummins QSL9
Engine Power (Net)	210 kW / 1,750 rpm

OPERATING SPECIFICATIONS

Operating Weight	33,000 kg
Bucket Capacity	0.90~2.10 m ³
Max. Digging Depth	8,220 mm
Max. Digging Reach	11,950 mm
Max. Tail Overhang (600 mm tracks)	1,960 mm
Bucket Digging Force (ISO)	230.0 kN
Arm Crowd Force (ISO)	220.2 kN

ALSO AVAILABLE:

Narrow chassis, High Walker

R380LC-9A



ENGINE

Type	Cummins QSL9
Engine Power (Net)	231 kW / 1,650 rpm

OPERATING SPECIFICATIONS

Operating Weight	38,200 kg
Bucket Capacity	1.44~2.32 m ³
Max. Digging Depth	11,230 mm
Max. Digging Reach	15,280 mm
Max. Tail Overhang (600 mm tracks)	1,890 mm
Bucket Digging Force (ISO)	249.3 kN
Arm Crowd Force (ISO)	209.7 kN

ALSO AVAILABLE:

Narrow chassis

R430LC-9A



ENGINE

Type	Cummins QSL9
Engine Power (Net)	231 kW / 1,650 rpm

OPERATING SPECIFICATIONS

Operating Weight	42,600 kg
Bucket Capacity	1.46~2.32 m ³
Max. Digging Depth	11,230 mm
Max. Digging Reach	15,280 mm
Max. Tail Overhang (600 mm tracks)	1,890 mm
Bucket Digging Force (ISO)	249.5 kN
Arm Crowd Force (ISO)	205.1 kN

R480LC-9A



ENGINE

Type	Cummins QSX11.9
Engine Power (Net)	277 kW / 1,800 rpm

OPERATING SPECIFICATIONS

Operating Weight	48,100 kg
Bucket Capacity	1.38~3.03 m ³
Max. Digging Depth	11,560 mm
Max. Digging Reach	16,350 mm
Max. Tail Overhang (600 mm tracks)	2,240 mm
Bucket Digging Force (ISO)	280.3 kN
Arm Crowd Force (ISO)	316.7 kN

R520LC-9A



ENGINE

Type	Cummins QSX11.9
Engine Power (Net)	277 kW / 1,800 rpm

OPERATING SPECIFICATIONS

Operating Weight	51,000 kg
Bucket Capacity	1.65~3.20 m ³
Max. Digging Depth	11,380 mm
Max. Digging Reach	16,280 mm
Max. Tail Overhang (600 mm tracks, extended)	2,140 mm
Bucket Digging Force (ISO)	318.8 kN
Arm Crowd Force (ISO)	317.7 kN

Company Organization

Hyundai Heavy Industries (HHI) had its groundbreaking ceremony in March 1972. HHI spreads across 2,300 acres that cover 1,500 acres of its production facilities and 800 acres of amenities (apartment complexes, schools, and recreational centers). Since the successful construction of its first two 260,000 DWT supertankers in 1974, HHI has built and delivered almost every kind of ship to customers the world over. Backed by technology and experience acquired through shipbuilding as well as streamlined modern facilities and a highly skilled work force, HHI has diversified its business activities from shipbuilding into other heavy industrial fields. On this vast compound, HHI operates various business lines: Shipbuilding, Engine & Machinery, Offshore & Engineering, Industrial Plant & Engineering, Electro Electric Systems, Construction Equipment and Green Energy, ISO 9001 & ISO 14001 certified.



Shipbuilding Division



Construction Equipment Division



Offshore & Engineering Division



Engine & Machinery Division



Electro Electric Systems Division



Industrial Plant & Engineering Division



Green Energy Division

- * 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

