We build a better future

**STANDARD EQUIPMENT**
- ISO Standard cabin
- All-weather steel cab with 360° visibility
- Safety glass windows
- Roll-up type windshield wiper
- Sliding-fold-in front window
- Sliding side window (2-3)
- Lockable doors
- Hot & cool box
- Storage compartment & Ashtray
- Transparent cabin roof-cover
- CD/RMP Player
- Handfree mobile phone system with USB
- Sun visor
- Computer aided power optimisation (New CAPO)
- 3-power mode, 3-work mode, User mode
- Auto deactivation & one-touch deactivation 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
- Alcald.
- Cloak
- Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
- Warnings
- Check Engine
- Overload
- Communication error
- Low battery
- Air cleaner slipping
- Indication
- Max power
- Low speed/high speed
- Fuel warmer
- Auto idle
- Door and cab locks, one key
- Two outside rainproof 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 (6,500 kg, 14,330 lb)
- 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 (Galvalok, etc.)
- Quick coupler
- 12 volt power outlet (24V DC to 12V DC converter)
- Tach alarm
- Beams
- 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”

**We build a better future**

**HYUNDAI**

**HEAVY INDUSTRIES CO., LTD.**

**CONSTRUCTION EQUIPMENT**

**380LC-g**

**With Tier 3 Engine installed**
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!

**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, 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 arm-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
- Closable sunshade for operator convenience / Reduced front window seam for improved operator view

**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
- Auto, 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.

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.

*Photo may include optional equipment.
Innovative hydraulic system technologies make the 9 series excavator fast, smooth and easy to control.

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.

*Photo may include optional equipment.
9 series is designed for maximum performance to keep the operator working productively.

Performance

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.

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.

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.

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

Track Rail Guard & Adjusters
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 Q65
- **Type:** Water-cooled, 6-cylinder Diesel, 6-Cylinder In-line, Direct injection, Turbocharged, Charge air cooled, Low emission

#### SWING SYSTEM
- **Swing motor:** Two fixed displacement axial piston motor
- **Swing reduction:** Planetary gear reduction
- **Swing bearing lubrication:** Grease-bushed
- **Swing brake:** Multi-disc type
- **Swing speed:** 0.3 rpm

#### COOLANT & LUBRICANT CAPACITY
- **Fuel tank:** 105 liters (UK gal) 115 liters (US gal) 121 liters (UK gal)
- **Engine coolant:** 45 liters (UK gal)
- **Engine oil:** 35.5 liters (UK gal)
- **Swing device-gear oil:** 8.0 liters (UK gal)
- **Track (swing device-gear tank):** 110 liters (UK gal)
- **Hydraulic tank:** 210 liters (UK gal)

#### UNDERCARRIAGE
- **Boom:** 6.5 meters (21’ 4”) 6.15 meters (20’ 2”) 8.6 meters (28’ 3”)
- **Arm:** 2.5 meters (8’ 2”) 3.2 meters (10’ 6”) 3.9 meters (13’ 1”) 4.3 meters (14’ 1”) 5.1 meters (16’ 8”)

#### OPERATING WEIGHT (APPROXIMATE)
- **Operating weight:** Including 5,500mm (21’ 4”) boom, 2,200mm (7’ 3”) arm, 3,200mm (10’ 6”) arm, 2,500mm (8’ 2”) arm
- **Capacity:** 2,500mm (8’ 2”) arm

#### 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
- **Dimensions:** Boom Length mm (in) Cap. Weight kg (lb)
- **Working depth:** 2500 (98’ 2”) 3200 (12’ 6”) 3900 (12’ 10”) 4900 (16’ 1”) 5100 (16’ 11”)
- **Working depth:** 2300 (90’ 2”) 3000 (11’ 8”) 3900 (12’ 10”) 4900 (16’ 1”) 5100 (16’ 11”)

#### BUCKETS
- All buckets are welded with high-strength steel.

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**Note:** Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin
### Lifting Capacity

<table>
<thead>
<tr>
<th>Load point height (m)</th>
<th>Load radius (m)</th>
<th>Capacity (kg)</th>
<th>Reach (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.0 m (30.0 ft)</td>
<td>6.5 m (21.4')</td>
<td>130,910</td>
<td>28,680</td>
</tr>
<tr>
<td></td>
<td>6.0 m (19.7')</td>
<td>118,740</td>
<td>27,330</td>
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<tr>
<td></td>
<td>5.5 m (18.0')</td>
<td>115,190</td>
<td>26,710</td>
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<tr>
<td></td>
<td>5.0 m (16.4')</td>
<td>111,380</td>
<td>26,050</td>
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<td></td>
<td>4.5 m (15.0')</td>
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<td></td>
<td>4.0 m (13.1')</td>
<td>97,440</td>
<td>24,300</td>
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<td></td>
<td>2.0 m (6.5')</td>
<td>9,600</td>
<td>2,060</td>
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<td></td>
<td>1.0 m (3.3')</td>
<td>3,460</td>
<td>2,060</td>
</tr>
<tr>
<td></td>
<td>0.5 m (1.6')</td>
<td>1,720</td>
<td>2,060</td>
</tr>
<tr>
<td></td>
<td>0.0 m (0.0')</td>
<td>1,720</td>
<td>2,060</td>
</tr>
</tbody>
</table>

1. Lifting capacity is based on SAE J937, ISO 10567.  
2. Lifting capacity of the Robex series does not exceed 37% of the tipping load on the machine on firm, level ground or 87% of full hydraulics capacity.  
3. The load point is a hook located on the back of the bucket.  
4. (*) indicates the load limited by hydraulics capacity.