

R230LM SMART

OPERATING WEIGHT: 23300kgs

GROSS POWER : 148 HP @ 2000 rpm

BUCKET CAPACITY: 0.87 - 1.7m³



R230LM SMART

BEST-IN CLASS PERFORMANCE

- Advanced CAPD system
- Hydraulic flow summation
- Swing priority
- Regeneration system
- Custom digging force

OPERATOR COMFORT

- Spacious cabin
- Fully adjustable seat
- Enhanced visibility
- User friendly functionality

IMPROVED FUEL EFFICIENCY

- Low Idle Mode
- Fuel recovery
- Electro-hydraulic system
- Auto idling control system
- Efficient piston pump

DESIGNED FOR SMART WORK

INCREASED MACHINE DURABILITY

- Simplified undercarriage
- Proven boom structure
- Long life boom
- Heavy duty final attachment

SIMPLIFIED MAINTENANCE

- Easy servicing
- Extended maintenance
- Large capacity fuel tank
- Low lift platform

PARTS & SUPPORT

- Hyundai genuine parts
- High parts availability
- On-site product support
- Remote management with J-Trac

PERFORMANCE

RIGHT AT WORK

Hyundai construction equipment offers you the best of both worlds: the performance of a heavy-duty diesel engine and the power of a modern hydraulic system. The result is a machine that's built to last, built to work, and built to give you the most reliable performance you can get.

Visit hyundai.com for more information.



ENGINE

The 4-cylinder, 4.7 liter diesel engine in the D230LC-9 is a powerful, efficient, and reliable engine. It's built to last, built to work, and built to give you the most reliable performance you can get.

The engine is built to last, built to work, and built to give you the most reliable performance you can get. It's built to last, built to work, and built to give you the most reliable performance you can get.





HYDRAULIC SYSTEM

Hydro hydraulic system operating with 100% of flow at slow velocities to ensure productivity. Low energy consumption, low maintenance cost, reduced fuel consumption, better efficiency & long lifetime.



AIR COOLED

- 20% less fuel consumption
- Lower maintenance cost
- Easy to maintain
- Low operating cost

CHOICE OF OPERATING MODE

Working Mode	Advantage
II Mode	• Maximum fuel efficiency • Low fuel cost
I Mode	• Lower fuel consumption and • Fuel efficiency
III Mode	• Best fuel efficiency
IV Mode	• Low fuel consumption and • Fuel efficiency



EFFICIENT COMBINED OPERATION

- Hydraulic system & boom and bucket power
- Super hydraulic flow
- Super hydraulic pressure
- Super fuel efficiency



BEST IN CLASS TRAVEL PERFORMANCE

- High torque force
- Fuel efficiency
- High maneuverability
- Maximum 2700 rpm



DIGGING FORCE

- Best digging performance
- High digging power
- High digging force
- High digging efficiency
- Fuel: 1100 kg/h
- Oil: 1000 kg/h

FUEL EFFICIENCY



IMPROVED FUEL EFFICIENCY

All our CAT® engines are equipped with advanced fuel systems that optimize fuel efficiency.

FUEL SAVING KIT

- Works on all excavator fuel
- Saves up to 5% efficiency



NEGATIVE FLOW CONTROL

Communicates between sensors and your engine to save fuel efficiency.



ONE TOUCH BLEED & AUTO DECELERATION

Powerful fuel saving technology on all our excavators.

EXCLUSIVE BREWER MODE

Boosts fuel efficiency while you work in brewer mode.



ARM REGISTRATION SYSTEM

- Precise control
- Fuel saving
- Increased performance fuel efficiency



OPERATOR COMFORT

OPERATOR DELIGHT

How does your work, power and performance compare to superior equipment? Work more efficiently for operators with longer true working hours by improving operator and self-working equipment.



NO back injury. Operator comfort, safety and self-working equipment are always achieved.

OPERATOR SEAT

Seat adjustment, vibration reduction, and more.



SPACIOUS CABIN

Wide visibility, large work area, and more for the operator.



INSTRUMENT PANEL

Highly visible, easy-to-use instrument panel with more than 100 functions.

- Default information
- Control information
- Fuel gauge
- Self-diagnostic
- Operator information

• High-contrast, easy-to-read instrument panel



ADJUSTABLE

- High-contrast instrument panel
- Instrument panel
- Fuel gauge information

RELIABILITY



HEAVY DUTY FRONT STRUCTURE

Use of reinforced aluminum with the best strength-to-weight ratio for long life.

ULTIMATE RELIABILITY



Reinforced side frame



Lower frame/body post



Hydraulic cylinders



Reinforced bucket rim



SPRING & SHOCK SYSTEM

High-strength steel shock absorbers and coil springs for maximum life & performance.



HIGH TRACTION



Wear plates



Heavy-duty bucket



RELIABLE ELECTRICALS

- Durable steel and aluminum
- Long component life



AIR PRE-CLEANER

- Removes dust particles before entering the filter
- Manual or automatic
- Long life/low maintenance

BUDDY UNDERCARRIAGE

4 heavy grade axles for maximum stability and control on any terrain.



SERVICEABILITY

LEADING SERVICE INTERVAL

Smaller, using quality and standard parts, means longer service intervals and less downtime

CHANGE INTERVAL

Hydraulic oil	500 hrs
Hydraulic filter	500 hrs
Engine oil	1000 hrs
Engine filter	500 hrs



IMPROVED DIGGING EFFICIENCY

- Faster and smoother operation
- 30% more efficiency
- Easy access for your service team



LARGE LCD MONITOR

Shows service life, fuel consumption, and engine hours

- Material Management
- Fuel Consumption
- Oil Dipstick
- Reduce Downtime
- Working Hours
- Troubleshooting



DURABLE MOUNTING PIN BUSH



Trade type for your specific requirements

EASY ACCESSIBILITY

Key areas for maintenance and repair are accessible. HUMAN/SAFE service featuring shock absorbers, hydraulic pins and other accessories



SAFETY

SAFETY - PEACE OF MIND AND OPERATOR CONFIDENCE

Let's help you work with less risk and greater peace of mind. From advanced sensors to advanced safety systems, we've got you covered. Here's what you need to know about our safety features.



COUNTER BALANCE VALVE

Locks in hydraulic tools and components to save time and reduce risk of injury.



BOOM & ARM HOLDING SYSTEM

Keeps machinery from falling unexpectedly during emergency.



ANTI RESTART FUNCTION

Prevents auto restart, reducing injury risk.



BATTERY DISCONNECT SWITCH

Cut off power completely to save time and reduce risk of injury.



AUTO ENGINE OVERHEAT PREVENTION

Auto shutdown with 30-second engine warm-up cycle to save time and reduce risk.

PARTS & SUPPORT

HYUNDAI LEASING PARTS

Increased longevity of your machine, hydraulic and lubrication systems that you get through cost of performance, reliability and safety that come with the complete Hyundai solution. 100% satisfaction and assurance of the most complete and profitable end-to-end high quality manufacturing process available just north of the border. Turnover the world's #1 20+ company lease it all online.

WE'VE GOT IT!

Complete parts and service for your machine.



BENEFITS OF USING COMPLETE HYUNDAI PARTS AND LUBRICANTS

- Greater hydraulic life than most competitors and cost savings in energy, maintenance and safety.
- Break down the complex, non-proprietary when it comes to making it work better for you.
- Support performance of hydraulic and engine components.
- This work and do it all in one place.
- A great deal.
- Reduce or eliminate your response time.
- From maintenance to



Our digital asset management system is designed to allow you to track performance & utilization & maintenance status of your fleet.



INCREASED PRODUCTIVITY

Asset management offers insights on utilization efficiency of your operation. Monitor idling, excessive fuel and fuel consumption, excessive idling, excessive use & more.

CONVENIENT & EASY MONITORING

Key asset data and status from your mobile device. Monitor through the mobile intelligence.



PROACTIVE MAINTENANCE

Asset performance and condition history alerts (overheating, fuel and engine warning messages), etc. to repair vehicles.



ALARMS

Get notified of what events triggered your machine from critical to expensive ones.

SECURITY & FLEET MONITORING

Track your operation from theft to unauthorized use. GPS location alerts you on routes performed during your driving operation and if the vehicle is stolen.

SPECIFICATIONS

Engine

Model/Year	D950E-D950E-2		
Year	2008-2010	2011-2012	2013-2014
Model	D950E	D950E-2	D950E-2
Displacement	6.7L (411 cu in)		

Performance

Max Power	100 kW (135 hp)
Max Torque	400 Nm (295 lb-ft)
Max Fuel Consumption	24.5 L/hr (6.5 gal/hr)
Max Operating Speed	2.5 km/hr (1.6 mph)

Dimensions

Overall Length	3,800 mm (124 ft 8 in)
Overall Width	1,800 mm (5 ft 11 in)
Overall Height	1,800 mm (5 ft 11 in)

Weight

Operating Weight	10,000 kg (22,046 lb)
Max Capacity	2,000 kg (4,409 lb)
Max Lift	1,000 kg (2,204 lb)
Max Towing	1,000 kg (2,204 lb)

Capacity & Fuel

Fuel Tank Capacity	1,000 L (264 gal)
Fuel Consumption	24.5 L/hr (6.5 gal/hr)
Max Fuel Flow	24.5 L/hr (6.5 gal/hr)
Max Fuel Pressure	2.5 bar (36.3 psi)
Max Fuel Temperature	40°C (104°F)

Electrical

System Voltage	24V DC
System Capacity	40 Ah
System Power	1,000 W
System Current	41.7 A
System Temperature	40°C (104°F)

Other Features

Max Lift Height	1,000 mm (32.8 ft)
Max Lift Capacity	1,000 kg (2,204 lb)
Max Lift Speed	0.5 m/s (1.6 ft/s)
Max Lift Acceleration	0.5 m/s ² (1.6 ft/s ²)
Max Lift Deceleration	0.5 m/s ² (1.6 ft/s ²)

Performance

Max Power	100 kW (135 hp)
Max Torque	400 Nm (295 lb-ft)
Max Fuel Consumption	24.5 L/hr (6.5 gal/hr)
Max Operating Speed	2.5 km/hr (1.6 mph)

Dimensions

Overall Length	3,800 mm (124 ft 8 in)
Overall Width	1,800 mm (5 ft 11 in)
Overall Height	1,800 mm (5 ft 11 in)

Weight

Operating Weight	10,000 kg (22,046 lb)
Max Capacity	2,000 kg (4,409 lb)
Max Lift	1,000 kg (2,204 lb)
Max Towing	1,000 kg (2,204 lb)



1. Overall Length	3,800 mm
2. Overall Width	1,800 mm
3. Overall Height	1,800 mm
4. Max Fuel Capacity	1,000 L
5. Max Fuel Consumption	24.5 L/hr
6. Max Operating Speed	2.5 km/hr
7. Max Power	100 kW
8. Max Torque	400 Nm
9. Max Fuel Temperature	40°C
10. Max Fuel Pressure	2.5 bar
11. Max Fuel Flow	24.5 L/hr

Electrical

System Voltage	24V DC
System Capacity	40 Ah
System Power	1,000 W
System Current	41.7 A
System Temperature	40°C (104°F)



LIFTING CAPACITIES

LIFTING CAPACITIES RESOLUTION SHEET PLUS



 11 2024 Ver.

Model	Capacity (kg)	1 Boom (100% H&E)				1 Boom (100% H&E)				1 Boom (100% H&E)				1 Boom (100% H&E)			
		A	H&E	A	H&E	A	H&E	A	H&E	A	H&E	A	H&E	A	H&E		
HY100-9	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000		
HY130-9	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000		
HY160-9	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000		
HY200-9	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000		
HY250-9	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000		
HY300-9	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000		
HY350-9	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000		
HY400-9	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000		
HY450-9	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000		
HY500-9	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000		
HY550-9	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000	55000		
HY600-9	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000		
HY650-9	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000	65000		
HY700-9	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000		
HY750-9	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000		
HY800-9	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000		
HY850-9	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000	85000		
HY900-9	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000		
HY950-9	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000	95000		
HY1000-9	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000		

- 1) Capacity at 100% H&E (H&E)
- 2) Capacity with hydraulic attachment (not to exceed 90% of capacity at 100% H&E)
- 3) Capacity with hydraulic attachment (not to exceed 90% of capacity at 100% H&E)
- 4) Capacity with hydraulic attachment (not to exceed 90% of capacity at 100% H&E)



