



WHAT'S NEWEST AND BEST

Gross Power

SAE J1955 / 760 HP at 1,800 rpm

567kW

Net Power

SAE J1349 / 740 HP at 1,800 rpm

552kW

Travel Speed

2.0 mph

3.2km/hr



HYUNDAI R1250-9 Excavator

www.wme.cn/hyundai-r1250-9/

*Photo may include optional equipment.



PRECISION

- Auto Boom-swing Priority
- Computer Aided Power
- Improved Hydraulic System



PERFORMANCE

- CUMMINS QSK23 Engine
- Heavy-duty strength
- Structure Strength
- Excellent Reliability and Durability



PREFERENCE

- Wide Cabin with Excellent Visibility
- Operator Comfort
- Reduced Stress
- Operator - Friendly Cluster



PROFITABILITY

- Enhanced Safety
- Hi-MATE (Remote Management System)
- Easy Access
- Long-Life Components

PRECISION

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



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.



Improved Hydraulic System

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.

Computer Aided Power

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

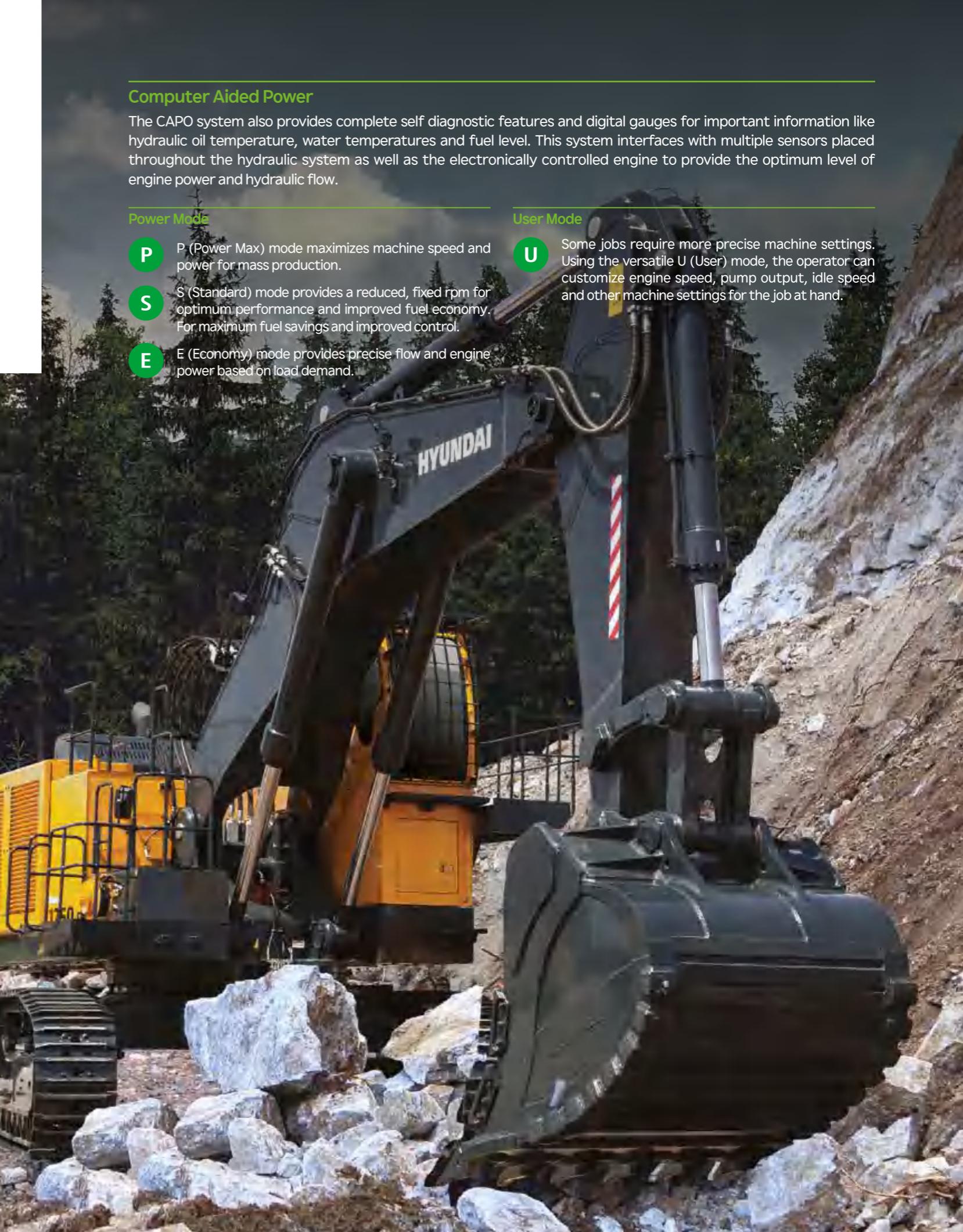
P P (Power Max) mode maximizes machine speed and power for mass production.

S S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control.

E E (Economy) mode provides precise flow and engine power based on load demand.

User Mode

U 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.



*Photo may include optional equipment.

PERFORMANCE

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

CUMMINS QSK23 Engine

The Tier II compliant, six cylinder, turbocharged, 4 cycle, water cooled, Cummins QSK23 diesel engine is built for power, reliability, efficiency and reduced emissions.

Heavy-duty strength

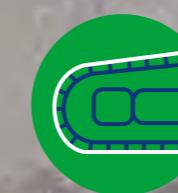
Its high-pressure injection (HPI) fuel system (up to 29,000 psi / 200,000 kPa) results in more complete combustion for superior engine response across the entire power curve and the lowest fuel consumption in its class. Its compact and balanced inline six-cylinder design and proven durability in the toughest mine sites make it a great choice to repower vee engines of similar displacement.

The one-piece Ferrous Cast Ductile (FCD) iron pistons and robust cylinder head work to improve long-term durability and dependability. A one-piece cast-iron block, forged-steel crankshaft and a large-diameter camshaft ensure long, reliable performance between overhauls, with the capability of multiple rebuild cycles.



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.



Excellent Reliability and Durability

Durable full track rail guards keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs. The strengthened undercarriage is designed for excellent production at quarries and mines.



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.



may include optional equipment.

PREFERENCE

Operators can fully customize their work environment and operating preferences to fit their individual needs.

Operator Comfort

In 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Other preference settings that add to overall operator comfort include the full automatic high capacity air conditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, and radio / USB player.



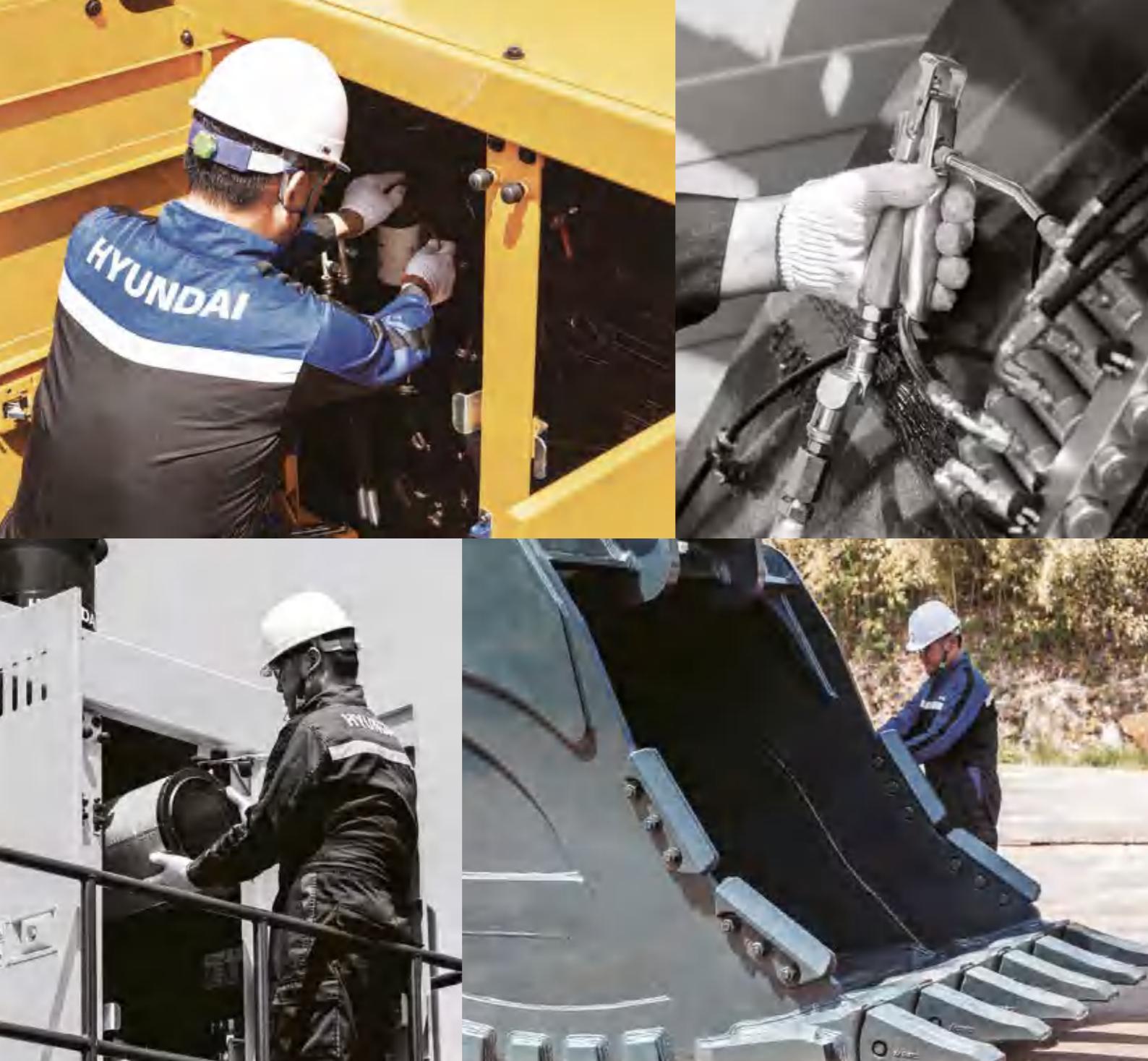
Reduced Stress

The powerful climate control system and the optimized vent positions provide the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo, 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.

Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Single piece right side glass improves visibility and operator comfort. Plus, the front defrosting system provides more comfortable working condition. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand.





Enhanced Safety

Variable cabin guards offer enhanced operator safety. And the work lamps on the cab improved operator convenience at night time. Wide cat-walks, large handrails and anti-slip plates provide easy access to the cab and safer maintenance.



PROFITABILITY

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

Hi MATE Option

It's Convenient, Easy and Valuable

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi-MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

What is benefits



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

Easy Access

Concentrated engine filters, remote type fuel pre-filter and fuel cut valve, and wide open compartments make service more convenient. The auto greasing system at the touch of a button provides simple and easy maintenance.



Long-Life Components

9 series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000 hrs), long-life hydraulic oil (5,000 hrs), more efficient cooling systems and integrated preheating systems.



SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS QSK23
Type	Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horse power	SAE J1995 (gross) 760 HP (567 kW) at 1,800 rpm SAE J1349 (net) 740 HP (552 kW) at 1,800 rpm DIN 6271 /1 (gross) 771 PS (567 kW) at 1,800 rpm DIN 6271 /1 (net) 750 PS (552 kW) at 1,800 rpm
Max. torque	354 kgf·m (2,560 lbf·ft) at 1,350 rpm
Bore × Stroke	170 × 170 mm (6.69" × 6.69")
Piston displacement	23,000 cc (1,404 in ³)
Batteries	4 × 12 V × 160 Ah
Starting motor	2 × 24 V × 7.5 kW
Alternator	24 V × 75 A
HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement axial piston pumps
Max. flow	3 × 504 l/min (133.1 US gpm / 110.9 UK gpm) 1 × 117 l/min (30.9 US gpm / 25.7 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	320 kgf/cm ² (4,550 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	350 kgf/cm ² (4,980 psi)
Swing circuit	300 kgf/cm ² (4,270 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed
HYDRAULIC CYLINDERS	
No. of cylinder bore × stroke	Boom : 230 × 2,165 (9.1" × 85.2") Arm : 260 × 2,180 mm (10.2" × 85.8") Bucket : 240 × 1,792 mm (9.4" × 70.6")
DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	70,200 kgf (154,800 lbf)
Max. travel speed (high / low)	3.2 km/hr (2.0 mph) / 2.3 km/hr (1.4 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		Axial piston motor	
Swing reduction		Planetary gear reduction	
Swing bearing lubrication		Grease-bathed	
Swing brake		Multi wet disc	
Swing speed			5.6 rpm
COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel tank	1,475.0	389.7	324.5
Engine coolant	100.0	26.4	22.0
Engine oil	70.0	18.5	15.4
Swing device - gear oil	8.0	2.1	1.8
Final drive (each) - gear oil	20.0	5.3	4.4
Hydraulic system (including tank)	1,160.0	306.4	255.2
Hydraulic tank	670.0	177.0	147.4

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	52 EA
No. of carrier roller on each side	3 EA
No. of track roller on each side	8 EA
No. of rail guard on each side	2 EA

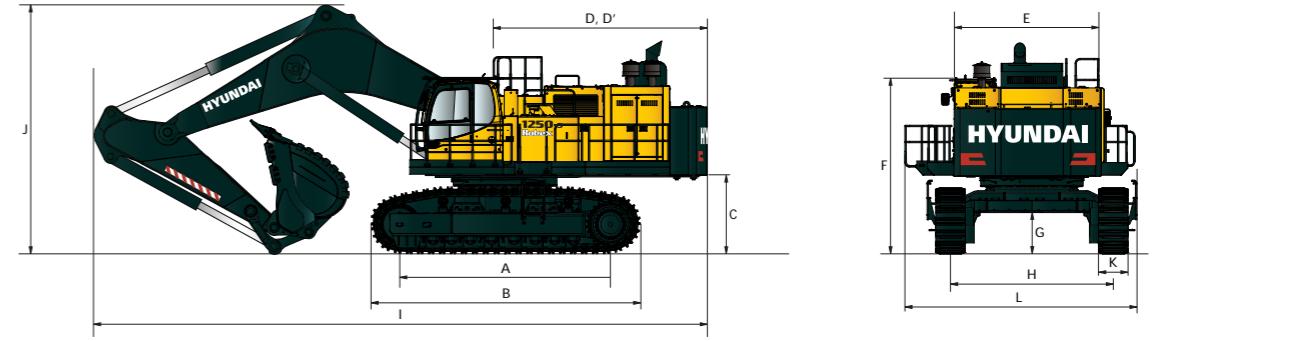
OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 7,550 mm (24' 9") boom, 3,400 mm (11' 2") arm, SAE heaped 6.70 m ³ (8.76 yd ³) HD bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	
Upperstructure	29,920 kg (65,960 lb)
Counterweight	20,400 kg (44,970 lb)
Boom (with arm cylinder)	12,640 kg (27,870 lb)

OPERATING WEIGHT		
Shoes	Operating weight	Ground pressure
Type	Width mm (in)	kg (lb) kgf/cm ² (psi)
Double grouser	700 (28") 800 (32") 900 (36")	118,000 (260,150) 1.09 (15.50) 118,670 (261,620) 0.96 (13.65) 119,470 (263,390) 0.87 (12.37)

AIR CONDITIONING SYSTEM	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1,430) The system hold 1 kg refrigerant consisting of a CO ₂ equivalent 1.43 kg metric tonne. For more information, Please refer to the manual.	

DIMENSION & WORKING RANGE

R1250-9 DIMENSION	
7.55m Boom / 3.40m Arm	



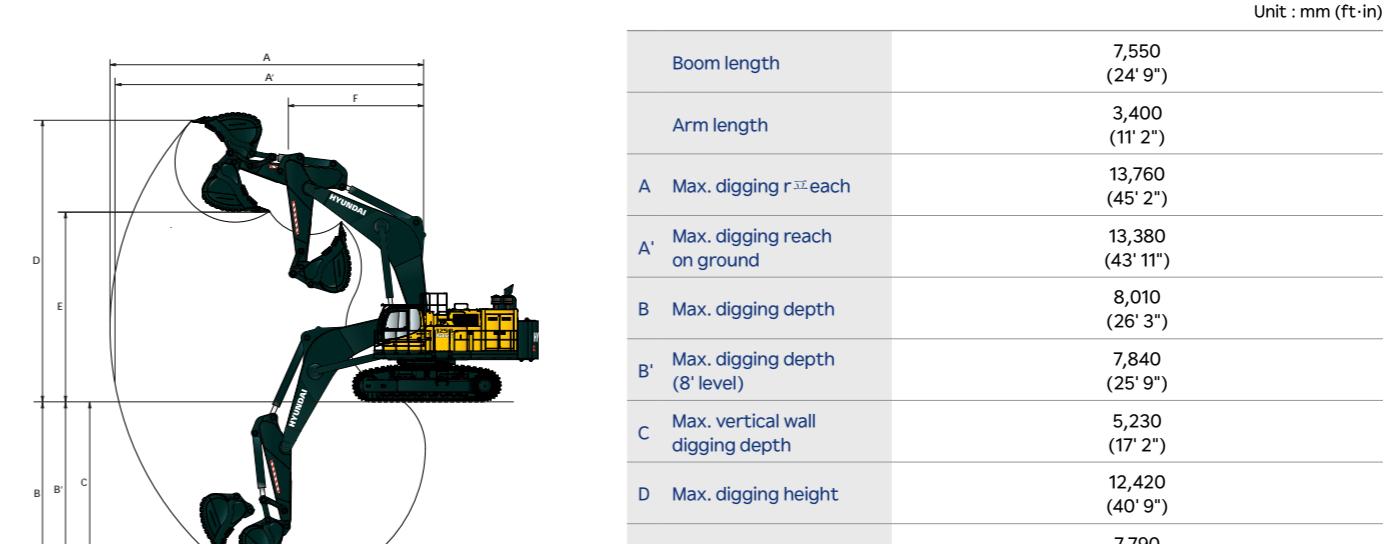
Unit : mm (ft·in)

A Tumbler distance	5,010 (16' 5")
B Overall length of crawler	6,400 (20' 12")
C Ground clearance of counterweight	1,825 (5' 12")
D Tail swing radius	4,865 (15' 12")
D' Rear-end length	4,805 (15' 9")
E Overall width of upperstructure	3,520 (11' 7")
F Overall height of cab STD	4,250 (13' 11")
F Overall height of cab Cabriser(opt)	5,450 (17' 11")
G Min. ground clearance	990 (3' 3")
H Track gauge	3,900 (12' 10")
Boom length	7,550 (24' 9")
Arm length	3,400 (11' 2")
I Overall length	14,580 (47' 10")
J Overall height of boom	6,210 (20' 4")
K Track shoe Width	700 (2' 4")
L Overall Width	5,560 (18' 3")

R1250-9 WORKING RANGE	
Boom length	7,550 (24' 9")

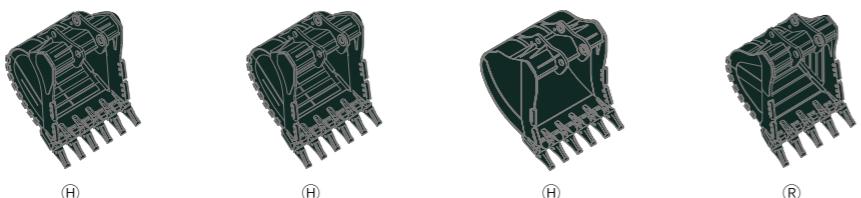
Arm length	3,400 (11' 2")
A Max. digging reach each	13,760 (45' 2")
A' Max. digging reach on ground	13,380 (43' 11")
B Max. digging depth	8,010 (26' 3")
B' Max. digging depth (8' level)	7,840 (25' 9")
C Max. vertical wall digging depth	5,230 (17' 2")
D Max. digging height	12,420 (40' 9")
E Max. dumping height	7,790 (26' 5")
F Min. swing radius	6,550 (21' 6")

Unit : mm (ft)



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped m³ (yd³)	(H)	6.70	(H)	7.00	(H)	8.57	(R)	6.00
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Capacity m³ (yd³)			Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft · in)
SAE heaped	CECE heaped	7,550 (24' 9") Boom				3,400 (11' 2") Arm
		3,400 (11' 2") Arm				3,400 (11' 2") Arm
(H) 6.70 (8.76)	5.90 (7.72)	2,535 (99.8")	7,385 (16,280)	6	●	
(H) 7.00 (9.16)	6.15 (8.04)	2,535 (99.8")	7,565 (16,680)	6	●	
(H) 8.57 (11.21)	7.68 (10.05)	2,535 (99.8")	7,295 (16,080)	6	■	
(R) 6.00 (7.85)	5.30 (6.93)	2,420 (99.8")	6,605 (14,560)	5	●	

(H) : Heavy Duty

(R) : Rock

- Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less
- Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less
- Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less
- Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less
- ▲ Applicable for materials with density of 900 kg/m³ (1,500 lb/yd³) or less
- Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.

7,550 mm (24' 9"), boom and 3,400 mm (11' 2"), arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

DIGGING FORCE

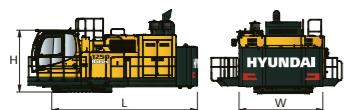
Boom	Length	mm (ft · in)	7,550 (24' 9")	Remark
	Weight	kg (lb)	10,540 (23,240)	
Arm	Length	mm (ft · in)	3,400 (11' 2")	
	Weight	kg (lb)	4,030 (8,880)	
Bucket digging force	SAE	kN	511.9 [558.5]	[]: Power Boost
		kgf	52,200 [56,950]	
		lbf	115,080 [125,540]	
Arm crowd force	ISO	kN	581.5 [634.4]	[]: Power Boost
		kgf	59,300 [64,690]	
		lbf	130,730 [142,610]	
SAE	SAE	kN	423.7 [462.2]	[]: Power Boost
		kgf	43,200 [47,130]	
		lbf	95,240 [103,900]	
ISO	ISO	kN	429.5 [468.6]	[]: Power Boost
		kgf	43,800 [47,780]	
		lbf	96,560 [105,340]	

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



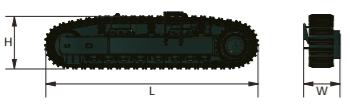
TRANSPORTATION PLAN

BASE MACHINE



Dimension mm (ft · in)			Weight
L	H	W	kg (lb)
6,885 (22' 7")	3,410 (11' 2")	3,580 (11' 9")	41,000 (90,390)

TRACK FRAME



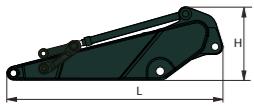
Dimension mm (ft · in)			Weight	
Shoe	L	H	W	kg (lb)
700 (24")	6,425 (21' 1")	1,585 (5' 2")	1,060 (3' 6")	14,120 (31,130)
800 (32")	6,425 (21' 1")	1,585 (5' 2")	1,110 (3' 8")	14,790 (32,610)
900 (35")	6,425 (21' 1")	1,585 (5' 2")	3,580 (11' 9")	15,590 (34,370)

BOOM ASSEMBLY (BOOM & PIPING & ARM CYLINDER & PINS)



Dimension mm (ft · in)			Weight	
Boom	L	H	W	kg (lb)
7.55 m (24' 9")	7,930 (26' 0")	3,430 (11' 3")	1,500 (4' 11")	13,090 (28,860)

ARM ASSEMBLY (ARM & PIPING & BUCKET CYLINDER & CONTROL LINKAGE & PINS)



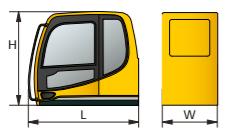
Dimension mm (ft · in)			Weight	
Arm	L	H	W	kg (lb)
3.40 m (11' 2")	5,030 (16' 6")	930 (3' 1")	1,720 (5' 8")	6,390 (14,090)

BUCKET ASSEMBLY (BUCKET & PINS)



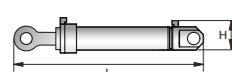
Dimension mm (ft · in)			Weight	
m ³ (yd ³)	L	H	W	kg (lb)
④ 6.70 (8.76)	2,833 (9' 4")	2,351 (7' 9")	2,625 (8' 7")	7,385 (16,280)
④ 7.00 (9.16)	2,862 (9' 5")	2,417 (7' 11")	2,625 (8' 7")	7,565 (16,680)
④ 8.57 (11.21)	2,991 (9' 10")	2,449 (8' 0")	2,632 (8' 8")	7,295 (16,080)
④ 6.00 (7.85)	2,783 (9' 2")	2,342 (7' 8")	2,453 (8' 1")	6,605 (14,560)

CAB ASSEMBLY



Dimension mm (ft · in)			Weight
L	H	W	kg (lb)
1,960 (6' 5")	1,675 (5' 6")	1,290 (4' 3")	310 (0.680)

BOOM CYLINDER (2 EA WEIGHT : 1,090 × 2 = 2,380 KG)



Dimension mm (ft · in)			Weight
L	H	W	kg (lb)
3,615 (11' 10")	432 (1' 5")	340 (1' 1")	1,090 (1 EA) (2,400)

COUNTER WEIGHT



Dimension mm (ft · in)			Weight	
Arm	L	H	W	kg (lb)
STD	3,520 (11' 7")	1,840 (6' 0")	980 (3' 3")	20,400 (44,970)

LIFTING CAPACITY

R1250-9

Boom : 7.55 m (24' 9") / Arm : 3.40 m (11' 2") / Shoe : 700 mm (28") triple grouser

Lift-point height (m/ft)	Lift-point radius						At max. reach	
	3.0 m (9.8 ft)	4.5 m (14.8 ft)	6.0 m (19.7 ft)	7.5 m (24.6 ft)	9.0 m (29.5 ft)	10.5 m (34.4 ft)	Capacity	Reach
9.0m kg							*19,580	*19,580
29.5ft lb							*43,170	*43,170
7.5m kg							*25,900	*25,900
24.6ft lb							*57,100	*57,100
6.0m kg							*31,100	*31,100
19.7ft lb							*68,560	*68,560
4.5m kg							*42,940	*42,940
14.8ft lb							*94,670	*94,670
3.0m kg							*35,510	*34,730
9.8ft lb							*78,290	*76,570
1.5m kg							*46,700	*46,700
4.9ft lb							*102,960	*102,960
0.0m kg							*44,880	*44,880
0.0ft lb							*98,940	*98,940
-1.5m kg							*50,120	*50,120
-4.9ft lb							*110,500	*110,500
-3.0m kg							*41,780	*41,780
-9.8ft lb							*92,110	*92,110
-4.5m kg							*29,670	*29,670
-14.8ft lb							*65,410	*65,410
-6.0m kg								
-19.7ft lb								

| 1 | Lifting capacity are based on ISO 10567.

| 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

| 3 | The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

| 4 | (*) indicates load limited by hydraulic capacity.



STANDARD / OPTIONAL EQUIPMENT

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 V power outlet (24 V DC to 12 V DC converter)

Handsfree mobile phone system with USB

Sun visor

Cabin FOPS/FOG (ISO/DIS 10262 Level 2)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin lights

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

Full automatic temperature controller

Defroster

Self-diagnostics system

Starting aid (air grid heater) for cold weather

Centralized Monitoring

8" 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

Two outside rearview mirrors

Air-suspension seat with heater

Pilot-operated slidable joystick

MEMO

Console box height adjust system

Six front working lights, two rear lights

Air horn

Batteries (2 × 12 V × 150 AH)

Battery master switch

Removable clean-out dust net for cooler

Automatic swing brake

Automatic fuel line deaeration

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Track shoes (700 mm, 28")

Full track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover

Viscous fan clutch

Air compressor

Travel alarm

OPTIONAL EQUIPMENT

Fuel filler pump (50 l/min)

Beacon lamp

Booms

7.55 m, 24' 9"

Arms

3.40 m, 11' 2"

Climate control

Air conditioner only

Heater only

Track Shoes

Double grousers shoe (800 mm, 32")

Double grousers shoe (900 mm, 36")

Pre-heating system, coolant

Tool kit

Rearview camera

Seat

Mechanical suspension seat

Mechanical suspension seat with heater

Air-suspension seat

Automatic lubrication

Hi-mate (Remote Management System)

Precleaner

* 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.