

## STANDARD EQUIPMENT

Air cleaner  
Alarm, back-up  
Backhoe position footrests  
Battery, maintenance-free, 850 CCA x 1  
Battery disconnect switch  
Boom transport lock - Backhoe  
Boom locking bar - Loader  
Brakes, oil disc, dual pedals, interlocking  
Canopy, ROPS/FOPS  
Control  
Backhoe controls, 2-lever mechanical  
Loader controls, 1-lever mechanical  
Stabilizer controls, 2-lever mechanical  
Coolant/Antifreeze  
Differential lock  
Engine, Perkins 1104C-44T  
(Direct Injection Turbocharged)  
Fan, suction  
Fenders, rear  
Filters, spin-on: fuel, engine oil,

transmission oil, water separator,  
hydraulic fluid  
Flashing hazard/signal lights  
Floor mat  
Fuel prefilter with water separator  
Gauges: coolant temperature, fuel level,  
tachometer, hour meter  
Glow plug (cold starting aid)  
Ground level fuel fill  
Hydraulic hose face seals, o-ring  
Hydraulic oil cooler, T/M cooler  
Indicators: Engine oil pressure, T/M oil temp,  
diff. lock, coolant temp, fuel level,  
battery charge, air cleaner, high beam, parking  
Instrument panel lights  
Key start/stop system  
Lights, working (2 front, 2 rear)  
Machine security system  
Mirror, rear view  
Parking brake

Power receptacle, 12V  
Power steering, hydrostatic  
Rubber impact strips on radiator guard  
Seat belt, retractable (51 mm / 2 in)  
Seat, suspension with armrest  
Storage compartment, internal  
Stop and tail lights  
Swing transport lock  
Tilt steering wheel  
Tires, see page 10  
Toolbox, external, lockable  
Torque converter  
Throttles, hand and foot  
Transmission: Power shift, 4 forward 2 reverse  
2 wheel drive  
Transmission neutralizer button switch  
Warning horn, electric

## OPTIONAL EQUIPMENT

Attachments, backhoe  
Buckets  
0.17 m<sup>3</sup> (0.22 yd<sup>3</sup>) - H930S(STD)  
0.2 m<sup>3</sup> (0.26 yd<sup>3</sup>) - H940S(STD)  
Boom  
2.63 m  
2.81 m  
Stick  
Extendible  
Mechanical Quick Coupler  
Attachments, front loader  
General purpose buckets  
0.77 m<sup>3</sup> (1.0 yd<sup>3</sup>) - Bolt-on teeth  
0.95 m<sup>3</sup> (1.24 yd<sup>3</sup>) - Bolt-on teeth  
1.00 m<sup>3</sup> (1.31 yd<sup>3</sup>) - Bolt-on cutting edge  
Multi purpose buckets  
1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>)  
1.0 m<sup>3</sup> (1.3 yd<sup>3</sup>) w/ forks

Cab, deluxe  
Canopy, front wind shield  
Cab, dome light  
Counterweights  
150 kg (330 lb)  
350 kg (772 lb)  
550 kg (1,213 lb)  
Climate control  
Aircorn & heater  
Aircorn only  
Heater only  
Emergency steering  
Fenders, 4WD, front  
Fuel warmer  
Guards  
Front drive shaft, 4WD  
Hydraulic valves, loader  
3rd Function

Hydraulic valves, backhoe  
7th Function  
Hydraulic lines  
One-way, backhoe  
Work lights(4 front, 4 rear)  
Pilot control  
Radio  
Return-to-dig, loader  
Ride control, loader  
Rotating beacon  
Magnetic mount  
Speed meter  
Stabilizers  
Street  
Transmission: P/Shift 4 forward, 3 reverse  
4 wheel drive  
Tires, see page 10

\* 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

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We build a better future

# H930s

# H940s



\*Photo may include optional equipment.

 **HYUNDAI**  
HEAVY INDUSTRIES CO.,LTD.

# 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 a Hyundai!*

## H930s H940s

### Machine Walk-Around

#### Powerful and Reliable Engine

- Perkins engine, with EPA Tier II and E.U. stage II emission regulations, built for power, reliability and efficiency.

#### Maximum Operating Comfort

- Six pillared cab with ROPS / FOPS certification designed for safe operation.
- Tilting, adjustable steering column.
- Hinged-type side windows for excellent ventilation.
- Conveniently located gauges, switches and levers for quick and easy use.
- Suspension seat with full adjustment for improved operator ride.

#### Excellent Backhoe Performance

- Unique backhoe boom design provides good visibility.
- Pilot controls provide the operator with better precision and control. (Option)
- An optional extendable dipper significantly increases the machine's versatility.

#### Powerful Loader Performance

- A strong and rigid loader frame designed for durability and greater lifting capacity.
- Four wheel drive system designed for on-the-go activation improves loader performance in rough terrain conditions.
- Automatic return-to-dig function reduces loading cycle times

#### Hydraulic Performance

- Load sensing hydraulic system distributes optimum power to the related hydraulic components based on load demand. (Option)
- Adjustable flow control system (AFCS) optimizes the travel power of the machine when traveling on the roads.

#### Excellent visibility

- One piece rounded wind shield for wide span of view.
- Well designed loader frame offers clear line of site and excellent visibility.

#### Serviceability

- Tilt-up hood provides convenient access to engine compartment.
- All greasing points are accessible from ground level for safety and reduced maintenance time.
- Integrated safety bar and lock system ensures operator safety.



\*Photo may include optional equipment.

# Maximum Operating Comfort

Hyundai's deluxe design cabin maximizes operator comfort.

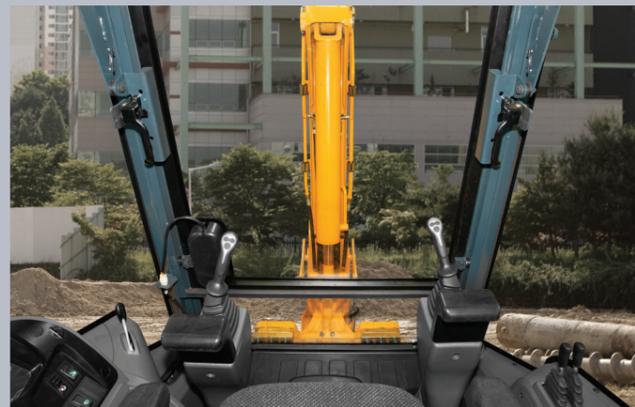


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## Comfortable Operator's Cab

The H930S/H940S series cab is designed to offer maximum comfort, safety and low noise to the operator. The cab structure is supported by six pillars meeting ROPS/FOPS safety requirements. The cab also offers dual entry, deluxe trim, tilt steering column and a washable molded

floor mat. Large roomy cab space and rounded glass contribute to operator comfort. Adjustable seat for a wider operating range and more comfortable ride. Equipped with seat cushion extension, seat cushion tilt, and vertical angle adjusting armrests.



## Excellent Visibility

One-piece rounded front glass and large windows around the cab provide the operator with a full 360 degree range of visibility. Wide upper front window good visibility to cutting edge of bucket for loader. Sloped and narrow bonnet is designed for easy and safe work with the front loader.

## Climate Control System (Option)

A full heating, defrosting system keeps the operator comfortable with 15 air vents placed throughout the cab. Air conditioning system as an option well placed air vents within front, back and sides of seat provides operator with optimum temperature.

## Operator Comfort

H930S/H940S series backhoe loaders are designed for the operator's comfort. The steering column and backhoe control tower can be tilted and adjusted for convenient operation. Deluxe, joystick levers, conveniently located switches and an AM/FM radio with mp3 input provide the pleasant operation. Hinge-type side windows can be opened for improved ventilation. Additionally, front and rear windshield wipers are equipped for excellent visibility during bad weather conditions.



## Power Shift Transmission

Standard power shift transmission provides fast, easy and efficient operation. A convenient gear/shift selector allows for gear selection and forward, neutral or reverse direction.



## Brakes

Oil immersed wet disc brakes are individually actuated by two separated brake pedals. Brakes are self adjusting for improved service life.

## Side Console with Full Instrumentation

In the H930S/H940S series cab, all gauges switches and levers are conveniently located for easy access. Whether in the loader position or the backhoe position, the operator can easily reach all controls.

## Safety System (Option)

Disables the control lever of loader, backhoe (excavator), and stabilizer levers by flipping the safety switch on the rear console (backhoe side)



Safety Switch (loader)



Safety Switch (backhoe)



# Premium Performance

H930S/H940S series provides the operator with best performance and productivity.



\*Photo may include optional equipment.

## Powerful Loader Performance

The H930S/H940S series loader boom is integrally welded with a large diameter tube, dual lift and tilt cylinders for maximum strength and power. A strong and rigid loader frame allows for greater lift capacity, improved line of site and overall visibility.

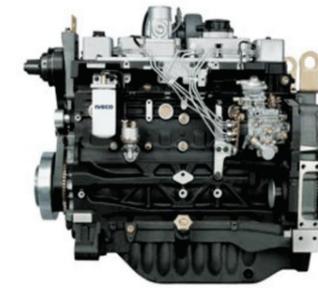
## Four Wheel Drive (Option)

Four wheel drive system improves mobility and loader performance in ground conditions underfoot and can be activated on-the-go. The loader attachment can be equipped with automatic return to dig function as an option designed to reduce loading cycle times.

## Ride Control System (Option)

Ride control system as an option is available for improved operator comfort. Ride control reduces bounce and shock when traveling on the job site. The system is designed to minimize loader arm bounce when traveling over rough terrain to reduce material spillage and

improve travel with a full bucket. The operator can engage ride control by flipping the switch on the side console. Ride control improves job site productivity, operator comfort and overall safety.



## Powerful and Reliable Engine

A powerful Perkins engine with EPA Tier II and E.U. stage II emissions compliance, 4 cylinder, 4 cycle, turbo-charged, is built for power, reliability, efficiency.



## Axle and Brakes

Front & rear axles are designed for heavy duty to withstand the most demanding applications. Outboard, planetary gears improve serviceability while multi wet disc type brakes eliminate possible external contamination. The parking brake can be easily activated from within the cab by the push of an electric switch.

## Work Lights (Option)

Four front-adjustable 55 watt halogen work lights and four rear-adjustable 55 watt halogen work lights provide excellent illumination at the work area.

## Excellent Backhoe Performance

The backhoe boom 4x4 work light option is an inherently strong design, perfect for heavy duty applications. The boom allows good visibility into the trench when the operator is digging around buried obstructions such as water mains, sewer pipes, utility lines, etc. Pilot controls improve operator control and precision when excavating. And an extendable dipper as an option significantly increases the machine's versatility.



\*Photo may include optional equipment.

# Hydraulic Performance

Innovative hydraulic technologies make the H930S/H940S series fast, smooth and easy to control.



\*Photo may include optional equipment.

## Load Sensing Hydraulic System (Option)

The load sensing hydraulic system matches the engine power to the appropriate hydraulic flow based on load demand required. Whether operating the machine in a trenching application or fine control digging, the functions work well matched. When speed is needed that require high productivity, this system is designed to provide sufficient flow to get the job done quickly and efficiently.

## Clam Safety System (Option)



Prevents the uncontrolled opening of the clam bucket by its weight of load during both loading and dozing processes.

## Adjustable Flow Control System [AFCS] (Option)

By using the "turtle" switch ("turtle" for Low speed control) on the front instrument cluster, the operator diverts any unused hydraulic fluid from the second pump to the hydraulic reservoir. In a loader application, AFCS optimizes the travel power of the machine and improves productivity. AFCS is also useful when traveling on the road.

## Control Pattern Selector (Option)

The control pattern selector switch, located in the cabin, allows the operator to change from ISO to SAE control patterns for the backhoe simply by pressing a button. This allows the operator to use the accustomed pattern they are familiar with to get the job done efficiently.

# Serviceability

## Reduced Maintenance

Tilt-up hood provides convenient access to the engine compartment. The one-piece hood tilts away for easy ground access to all critical services and grease points for reduced maintenance and operator safety.



## Stabilizer Safety System

Two stabilizers and two stabilizer safety valves are equipped (each operated by its own control valve and cylinder). Provides protection in the event of a hose burst in both stabilizers. Protects from both raises (while working) and lowers (while traveling) of the stabilizer.



## Integrated Safety Bar

An integrated safety bar and locking pin are an integral part of the loader arm, and guarantee operator safety when servicing.



## Visible Hydraulic Oil Level Gauge

The hydraulic oil sight gauge is installed on the side of the hydraulic tank for the convenient inspection from on ground level.



\*Photo may include optional equipment.

## Specifications

### ENGINE H940S

MANUFACTURER	Perkins	
Model	1104C-44T	
Type	4-stroke, water cooled, direct injection and turbocharged.	
Non-road emission standards	Certified to EPA Tier II / EU stage II	
Displacement	4.4 L	
Fuel	Diesel	
Horsepower	Gross	100 hp (74.5 kW) @ 2,200 rpm
	Net	95 hp (71 kW) @ 2,200 rpm
Maximum torque	42 kg-m @ 1,350 rpm	

### ENGINE H930S

MANUFACTURER	Perkins	
Model	1104C-44T	
Type	4-stroke, water cooled, direct injection and turbocharged.	
Non-road emission standards	Certified to EPA Tier II / EU stage II	
Displacement	4.4 L	
Fuel	Diesel	
Horsepower	Gross	92 hp (68.5 kW) @ 2,200 rpm
	Net	87 hp (65 kW) @ 2,200 rpm
Maximum torque	40 kg-m @ 1,350 rpm	

### ELECTRICAL

Voltage	12 volts
Alternator	100 amp
Battery	630CCA (Option) = 2EA 850CCA (Standard) = 1EA

### OPERATING WEIGHTS

Model	H930S	H940S
Standard dipper and GP bucket	7,600 kg	7,650 kg
Extendable dipper and MP bucket	8,550 kg	8,600 kg

### TIRES

Front	2WD - 11L-16 (STD) 4WD - 12.5/80 - 18 (OPT)
Rear	18.4 - 26 (STD) 16.9 - 28 (OPT) 21L - 24 (OPT)

### SERVICE REFILL CAPACITIES

Fuel tank	127 L
Engine coolant water	20 L
Engine oil with filter	8 L
Hyd. Tank with filter	50 L
Hyd. System total	93 L
Transmission and torque converter	18 L
Front axle (4WD)	8 L
Rear axle	16 L

### HYDRAULICS

System type	Open center
Pump	Tandem gear, H930S: 140 lpm, H940S: 147 lpm
System pressure	250kg/cm <sup>2</sup>
Loader valve	Single lever control, boom float, bucket return to dig
Backhoe valve	2-lever control for backhoe, stabilizer lock valve

### BUCKET

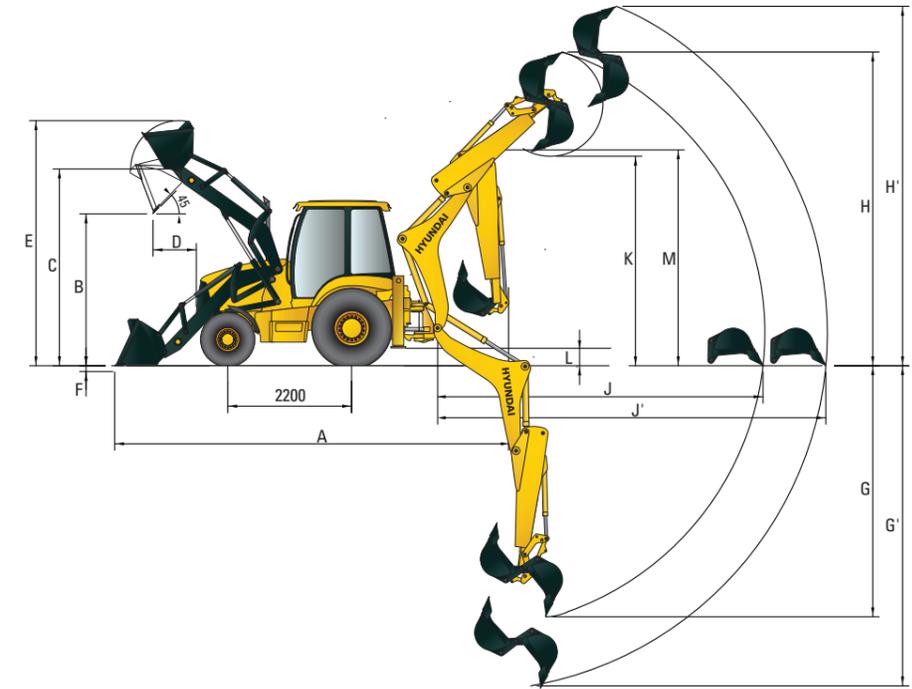
	Capacity (liters)	Width (mm)	Weight (kg)
Loader GP	800	2,250	385
Loader MP	1,000	2,350	730
Trenching	170	630	130
Trenching	200	610	155

### POWERTRAIN

Transmission	4-speed helical-cut gears, full powershift standard; electric clutch cutoff on loader lever			
Maximum travel speed with standard tire				
H930S	Gear 1	Gear 2	Gear 3	Gear 4
Forward (km/hr)	5.7	10.5	21.0	36.5
Reverse (km/hr) (Option)	7.2	13.1	(20.7)	N/A
H940S	Gear 1	Gear 2	Gear 3	Gear 4
Forward (km/hr)	5.8	10.5	21.0	37.0
Reverse (km/hr) (Option)	7.3	13.2	(20.8)	N/A
Torque converter	Single stage, dual phase			
Differential	Hydraulic locking rear Push-button activation			
Steering	Hydrostatic power and emergency steering			
Brake	Service	Power assisted, hydraulic wet disc, mounted inboard, self-adjusting and self-equalizing		
	Parking	Spring-applied, hydraulically releases, wet, multi disc independent of service brakes with electric switch control		

## Dimensions & Working Range

### H930S / H940S DIMENSIONS



### DIMENSION

	GP Bucket	MP Bucket
Transport length	5,800	5,850
Transport height	3,800	3,800
Transport width	2,305	2,305

Model	H930S	H940S	Model	H930S	H940S
A	7,230	7,280	G / G'	4,240 / 5,365	4,220 / 5,350
B	2,710	2,710	H / H'	5,620 / 6,290	5,665 / 6,335
C	3,450	3,450	J / J'	5,775 / 6,805	5,825 / 6,855
D	780	780	K	3,790	3,740
E	4,420	4,420	L	265	265
F	96	96	M	3,800	3,800

