

STANDARD EQUIPMENT

Air cleaner
 Alarm, back-up
 Backhoe position footrests
 Battery, maintenance-free, 850 CCA x 1
 Battery disconnect switch
 Boom transport lock - Backhoe (Cylinder)
 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
 (Water cooled, 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
 Seat belt, retractable (51 mm / 2 in)
 Seat, suspension with armrest
 Storage compartment, internal
 Stop and tail lights
 Swing transport lock
 Tilt steering wheel
 Tire(Front) : 11L-16SL,12PR(2WD, ATG)
 Tire(Rear) : 18.4-26,12PR(ATG)
 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
 0.2 m³ (0.26 yd³) (STD)
 0.17m³(0.22yd³)
 0.1 m³ (0.13 yd³)
 0.26 m³ (0.34 yd³)
 0.3 m³ (0.39 yd³)
 Boom
 2.63 m
 2.81 m
 Dipper Stick
 Extendible
 Mechanical Quick Coupler
 Attachments, front loader
 General purpose buckets
 0.8 m³ (1.04 yd³) - Bolt-on cutting edge(STD)
 0.7m³ (0.92yd³) - Bolt-on teeth
 0.9m³ (1.18yd³) - Bolt-on teeth
 1.00 m³ (1.31 yd³) - Bolt-on cutting edge
 Multi purpose buckets
 1.0 m³ (1.3 yd³)
 1.0 m³ (1.3 yd³) w/ forks
 Battery, maintenance-free, 630CCA x 2
 Cab, deluxe
 Swing damper
 Canopy, front wind shield
 Cab, dome light
 Counterweights
 150 kg (330 lb)
 350 kg (772 lb)
 550 kg (1,213 lb)
 Climate control
 Air conditioner & Heater
 Air conditioner only
 Heater only
 Emergency steering
 Fenders, 4WD, front
 Fuel warmer
 Guards
 Front drive shaft
 Grill guard bumper
 Hydraulic valves, loader
 3rd Function
 Hydraulic valves, backhoe
 7th Function
 Hydraulic lines
 One-way, backhoe breaker line
 Work lights(4 front, 4 rear)

Pilot control (Backhoe, Loader, Stabilizers all together)
 Radio
 Return-to-dig, loader
 Ride control, loader
 Rotating beacon
 Magnetic mount
 Speed meter
 Stabilizers (PAD)
 Street
 Transmission: P/Shift 4 forward, 3 reverse
 4 wheel drive
 Power Boosted Brake
 Front Tire : 12.5/80-18,12PR(4WD, ATG)
 340/80-18,143A8(4WD, MICHELIN)
 Rear Tire : 16.9-28,12PR(ATG)
 21L-24,10PR(ATG)
 440/80-28,156A8(MICHELIN)
 480/80-26,160A8(MICHELIN)
 Clam Safety System

* 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

 **HYUNDAI CONSTRUCTION EQUIPMENT**

We build a better future

Plus

H940s



*Photo may include optional equipment.

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!

H940s

Machine Walk-Around

Powerful and Reliable Engine

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

Comfortable Operation

- Six pillared cab with ROPS / FOPS certified design 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 extendable dipper significantly increases the machine's versatility. (option)

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 easy 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.

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. (option)
- Automatic return-to-dig function reduces loading cycle times

Enhanced Hydraulic Mechanism

- Alternative pilot control pattern allows the operator to get the job done efficiently.
- Stabilizer safety system protects from both raises and lowers of the stabilizer.



*Photo may include optional equipment.

Comfortable Operation

Hyundai's deluxe design cabin maximizes operator comfort.



*Photo may include optional equipment.

Comfortable Operator's Cab

The 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

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.

Power Boosted Brake (Option)

Newly developed Boosted Brake System now allows the operator to use brake much conveniently with additional hydraulic assisted power.

Side Console with Full Instrumentation

In the 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.

Pilot control safety system (Option)

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



Safety Switch (loader)



Safety Switch (backhoe)



Outstanding Performance

H940S series provides the operator with best performance and productivity.



*Photo may include optional equipment.

Powerful Loader Performance

The 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.

The loader attachment can be equipped with automatic return to dig function as an option designed to reduce loading cycle times.

Four Wheel Drive (Option)

Four wheel drive system improves mobility and loader performance in ground conditions underfoot and can be activated on-the-go.

Ride Control System (Option)

Ride control system 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 lift 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 Mechanical 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 challenging Jobsite conditions. 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

Standard two front & two rear-adjustable 55 watt halogen work lights and optional four front & four rear-adjustable 55 watt halogen work lights provide excellent illumination at the work area.

Excellent Backhoe Performance

The backhoe is 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(option) 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.

Enhanced Hydraulic Mechanism

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



*Photo may include optional equipment.



Clam Safety System (Option)

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



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.

Control Pattern Selector (Option)

The control pattern selector switch, located in the cabin, allows the operator to change from the excavator ISO control pattern to the backhoe SAE control pattern (Hyundai A type) 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

Quick and Easy Maintenance

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



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 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	

ELECTRICAL

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

OPERATING WEIGHTS

Standard configuration	2wd, GP bucket(0.8m³), counter weight(350kg), ROPS/FOPS canopy, mono dipper	7,690kg
Optional configuration	4wd, MP bucket(1.0m³), counter weight(150kg), ROPS/FOPS cabin, ext. dipper	8,460kg
Add-on weight	Counter weight	550kg
	Drive shaft & T/M under guard	55kg
	Fork	170kg

TIRES

Front	STD	11L-16SL,12PR(2WD)
	OPT	12.5/80-18,12PR(4WD) 340/80-18,143A8(4WD)
Rear	STD	18.4-26,12PR
	OPT	16.9-28,12PR 21L-24,10PR 440/80-28,156A8 480/80-26,160A8

SERVICE REFILL CAPACITIES

Fuel tank	127 L
Engine coolant water	19 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 type	Tandem gear pump
Pump flow	138.4L/min (Steering + Attachment)
System pressure	250kg/cm²
Loader valve	-Mechanical Control (Standard) : 1 Lever -Pilot Control (Option) : 1 Joystick, Boom float, Bucket return to dig
Backhoe valve	-Mechanical Control (Standard) : 2 Levers -Pilot Control (Option) : 2 Joysticks Pilot Control (Excavator ISO Control pattern is Standard) Optional Pattern Change Valve for Excavator (ISO) Control pattern ↔ Backhoe (SAE) Control Pattern
Stabilizer Control	-Mechanical Control (Standard) : 2 Levers -Pilot Control (Option) : 2 small levers -Stabilizer Safety lock valve (Standard)

BACKHOE ATTACHMENTS

Buckets	0.2m³ (STD)
	0.17m³
	0.26m³
	0.3m³
Boom	0.1m³ (narrow)
	2.63m (STD) 2.81m
Arm	2.0m (STD)
	2.0m ~ 3.12m

LOADER BUCKETS

Capacity	Remark	Capacity	Remark
0.8m³	GP BOCE (STD)	0.9m³	GP Tooth
1.0m³	GP BOCE	1.0m³	MP
0.7m³	GP Tooth	1.0m³	MP with Fork

※GP : General Purpose, MP : Multi Purpose
※BOCE : Bolt on Cutting Edge

COUNTER WEIGHT

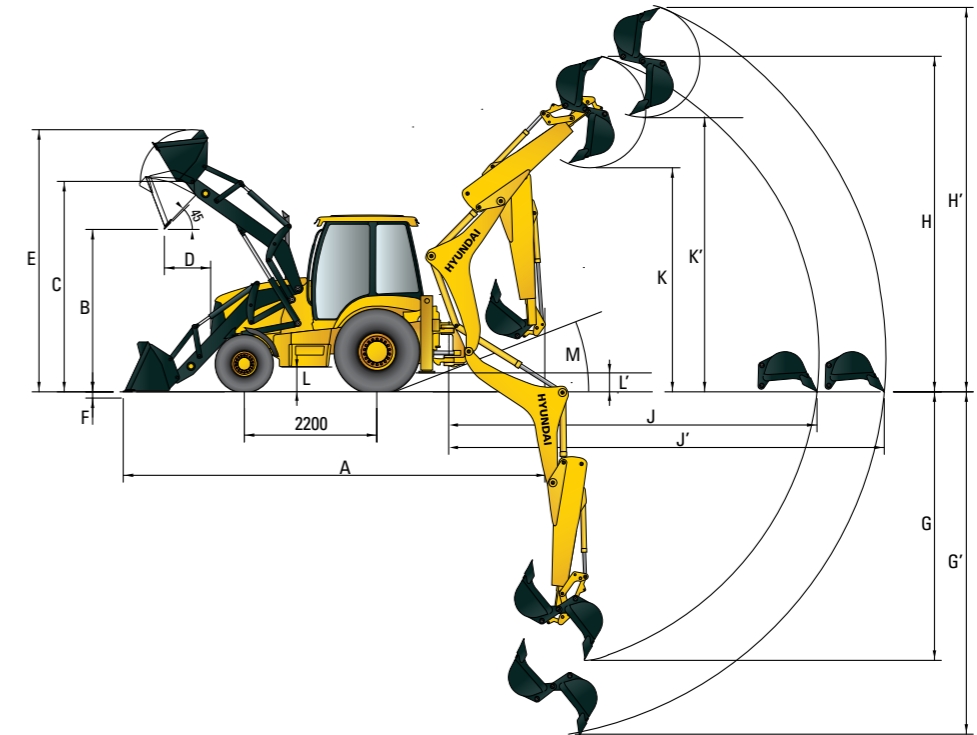
Description	Weight
None, Guard Front	10kg
Casting, Additional	150kg
Casting (STD)	350kg
Casting Additional for Telescopic Arm	550kg

POWERTRAIN

Transmission	4-speed helical-cut gears, full powershift standard; electric clutch cutoff on loader lever			
Maximum travel speed with standard tire				
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 (Option)	Hydrostatic power (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

H940S DIMENSIONS



DIMENSION

(Unit : mm)

	GP Bucket	MP Bucket
Transport length	5,800	5,930
Transport height	3,780	3,780
Transport width	2,320	2,345

Model	H940S	Model	H940S
A	7,270	G / G'	4,245 / 5,365
B	2,710	H / H'	5,600 / 6,250
C	3,450	J / J'	5,820 / 6,850
D	805	K / K'	3,685 / 4,330
E	4,230	L / L'	355 / 305
F	96	M	21°

