

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
 Loader controls, 1-lever
 Stabilizer controls, 2-lever
 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
 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, 5 forward 3 reverse
 4 wheel drive
 Transmission neutralizer button switch
 Warning horn, electric
 Front/Rear Tire : 16.9-28, 12PR (ATG)
 Pilot control
 Return-to-dig, loader

OPTIONAL EQUIPMENT

Attachments, backhoe
 Buckets
 0.17 m³ (0.22 yd³) (STD)
 0.2 m³ (0.26 yd³) (STD)
 0.1 m³ (0.13 yd³) (OPT)
 0.26 m³ (0.34 yd³) (OPT)
 0.3 m³ (0.39 yd³) (OPT)
 Boom
 2.63 m
 2.81 m
Dipper Stick
 Extendible
Mechanical Quick Coupler
Attachments, front loader
 General purpose buckets
 1.1m³ (1.44yd³) - Bolt-on cutting edge (STD)
 1.0m³ (1.31yd³) - Bolt-on tooth
 Multi purpose buckets
 1.1m³ (1.44yd³)
 1.1m³ (1.44yd³) w/forks
 Battery, maintenance-free, 630CCA x 2
 Cab, deluxe
 Canopy, front wind shield

Cab, dome light
Counterweights
 150 kg (330 lb)
Climate control
 Aircorn & heater
 Aircorn only
 Heater only
Emergency steering
Fenders, front
Fuel warmer
Guards
 Front drive shaft
Grill Bumper
Hydraulic valves, loader
 3rd Function
Hydraulic valves, backhoe
 7th Function
Hydraulic lines
 One-way, backhoe
Work lights (4 front, 4 rear)
Radio
 Ride control, loader
 Rotating beacon

Magnetic mount
Speed meter
Stabilizers
 Street
 Tires, see page 10
Power Boosted Brake
 Front Tire : 16.9-24
 440 / 80-24, MICHELIN
 440 / 80-28, MICHELIN
 Clam Safety System
 RCV Pattern Changer
 Swing Damping Valve

* 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 4WS



*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 4WS

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.

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)

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

- 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 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.



*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-4WS 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-4WS 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.



5 Speed-Automatic Power Shift Transmission

By using of 5-Speed power Shift Transmission with automatic gear shifting as Standard, Operator can enjoy both the fuel reduction and smooth gear shifting without losing traction.



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

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-4WS 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

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)



Outstanding Performance

H940S-4WS series provides the operator with best performance and productivity.



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 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 (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.

Powerful Loader Performance

The H940S-4WS 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 Steering(4WS) Drive

Four Wheel Drive System is installed as Standard with Three different steering modes(2WS, 4WS, Crab), which can be selected depends on working environment by using of Four Wheel Steering drive modes, operator is now allowed to drive the machine in combined areas with excellent loader performance.

MODE	4WS	2WS	CRAB
Steering	Opposite	front Only	Parallel
Usage	Max Steering	Driving	Limited Space

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.

*Photo may include optional equipment.

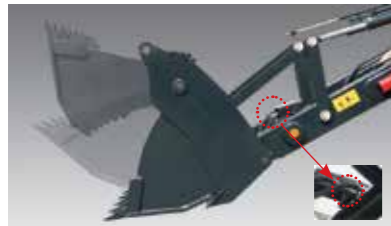
Enhanced Hydraulic Mechanism

Innovative hydraulic technologies make the H940S-4WS 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.

Adjustable Flow Control System [AFCS]

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

Quick and Easy 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-4WS

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	

ELECTRICAL

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

OPERATING WEIGHTS

Standard configuration	4wd, GP bucket(0.8m³), counter weight(150kg), ROPS / FOPS canopy, mono dipper	8,800kg
Optional configuration	4wd, MP bucket(1.0m³), counter weight(150kg), ROPS / FOPS cabin, ext. dipper	9,600kg
Add-on weight	Counter weight	150kg
	Drive shaft & T/M under guard	55kg
	Fork	170kg

TIRES

Front / Rear	16.9-28 (STD) 16.9-24 (OPT) 440 / 80-24, MICHELIN (OPT) 440 / 80-28, MICHELIN (OPT)
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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)	19 L
Rear axle	17 L

HYDRAULICS

System type	Open center
Pump	Tandem gear, 147 lpm
System pressure	250kg/cm²
Loader valve	Single lever control, boom float, bucket return to dig
Backhoe valve	2-lever control for backhoe, stabilizer lock valve

BUCKET

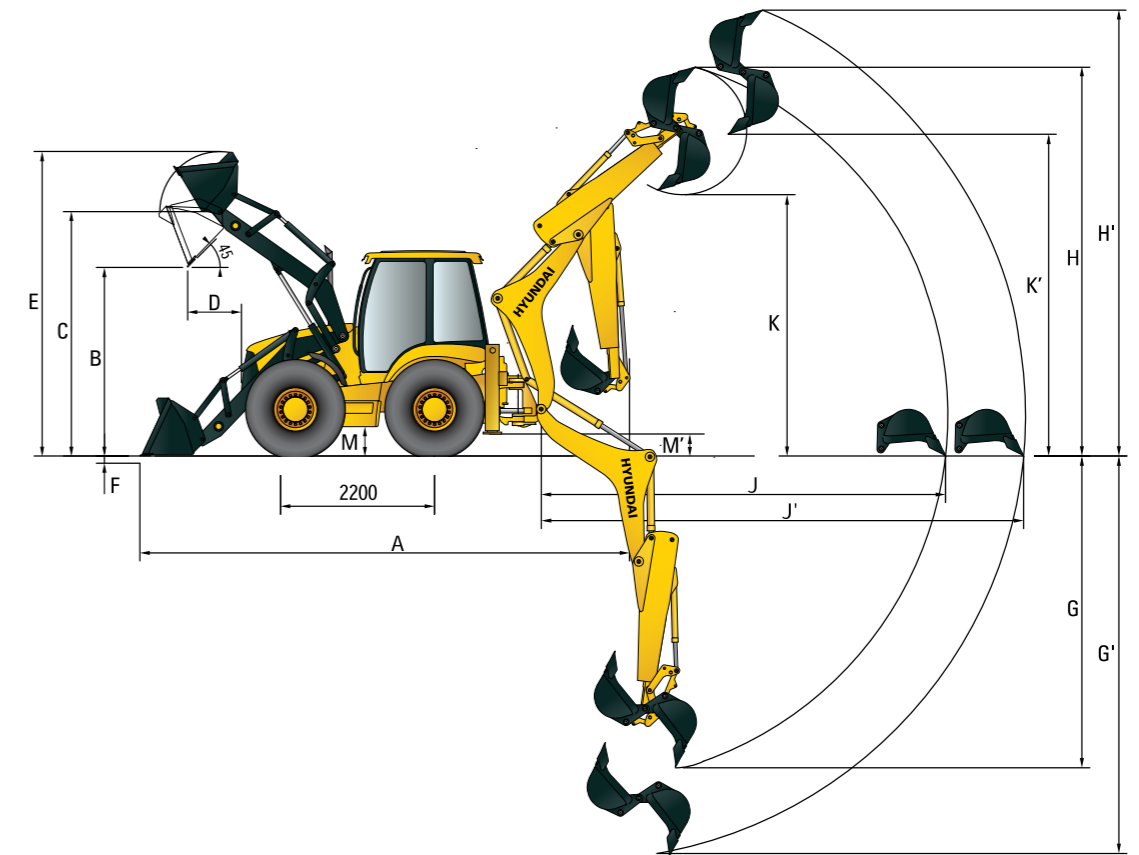
	Capacity (liters)	Width (mm)	Weight (kg)
Loader GP	1,100	2,450	435
Loader MP	1,100	2,450	855
Trenching	170	630	140
Trenching	200	610	155

POWERTRAIN

Transmission	5-speed helical-cut gears, full powershift standard; electric clutch cutoff on loader lever			
Maximum travel speed with standard tire				
H940S-4WS	Gear 1	Gear 2	Gear 3	Gear 4-5
Forward (km/hr)	5.7	10.8	25.7	36.9
Reverse (km/hr)	6.3	12.0	28.4	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-4WS DIMENSIONS



DIMENSION

	GP Bucket	MP Bucket
Transport length	5,940	5,990
Transport height	3,965	3,965
Transport width	2,450	2,450

Model	H940S-4WS	Model	H940S-4WS
A	7,400	G / G'	4,570 / 5,695
B	2,690	H / H'	5,820 / 6,490
C	3,485	J / J'	5,550 / 6,560
D	620	K / K'	3,900 / 4565
E	4,345	L	20°
F	61	M / M'	330 / 295