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 1104D-44TA
Direct Injection, Turbocharged, Charge Air Cooled
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, 4 forward 3 reverse
4 wheel drive
Transmission neutralizer button switch
Warning horn, electric
Front Tire : 400/70-20, ATG
Rear Tire : 18.4-26,12PR
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 cutting edge (OPT)
Multi purpose buckets
    1.1m³ (1.44yd³)
    1.1m³ (1.44yd³) w/ forks
Battery, maintenace-free, 630CCA x 2
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
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 : 12.5/80-20
  400/70-20, MICHELIN
  340/80-20, MICHELIN
Rear Tire : 18.4/26-12
  440/80-28, MICHELIN
  480/80-26, 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

www.hyundai-ce.com

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HYUNDAI HEAVY INDUSTRIES | CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
75, YULGOK-RO, JONGNO-GU, SEOUL 03058, KOREA
TEL: (82) (2) 746–7660
Americas Operation : Hyundai Construction Equipment Americas, Inc.
6100 ATLANTIC BOULEVARD NORCROSS GA 30071 U.S.A **TEL**: (1) 847-678-823-7802 **FAX**: (1) 847-678-823-7778
Europe Operation : Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM **TEL**: (32) 14-56-2200 **FAX**: (32) 14-59-3405

We build a better future

H940ST Plus



HYUNDAI HEAVY INDUSTRIES

Pride at Work

H940ST

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!

Machine Walk-Around

Powerful and Reliable Engine
- Perkins engine, with EPA Tier 3, EU Stage IIIA 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 H940ST 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

H940ST 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 H940ST 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

H940ST series provides the operator with best performance and productivity.



*Photo may include optional equipment.



Powerful and Reliable Engine

A powerful Perkins engine with EPA Tier 3, EU Stage IIIA 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.

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 improve operator control and precision when excavating. And an extendable dipper as an option significantly increases the machine's versatility.

Powerful Loader Performance

The H940ST 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.

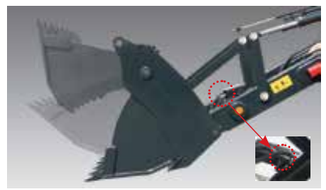
Enhanced Hydraulic Mechanism

Innovative hydraulic technologies make the H940ST 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 guage is installed on the side of the hydraulic tank for the convenient inspection from on ground level.



*Photo may include optional equipment.

Specifications

ENGINE H940ST

Manufacturer		Perkins
Model		1104D-44TA
Type		4-stroke, water cooled, direct injection and turbocharged, Charge Air Cooled
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 @ 1,400 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(350kg), ROPS/ FOPS canopy, mono dipper	8,300kg
Optional configuration	4wd, MP bucket(1.0m³), counter weight(150kg), ROPS/ FOPS cabin, ext. dipper	8,900kg
Add-on weight	Counter weight	550kg
	Drive shaft & T/M under guard	55kg
	Fork	170kg

TIRES

Front	60 / 70-20, (STD) 12.5 / 80-20, (OPT) 400 / 70-20, MICHELIN (OPT) 340 / 80-20, MICHELIN (OPT)
Rear	16.9 / 28-12, (STD) 18.4 / 26-12, (OPT) 440 / 80-28, MICHELIN (OPT) 480 / 80-26, MICHELIN (OPT)

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	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

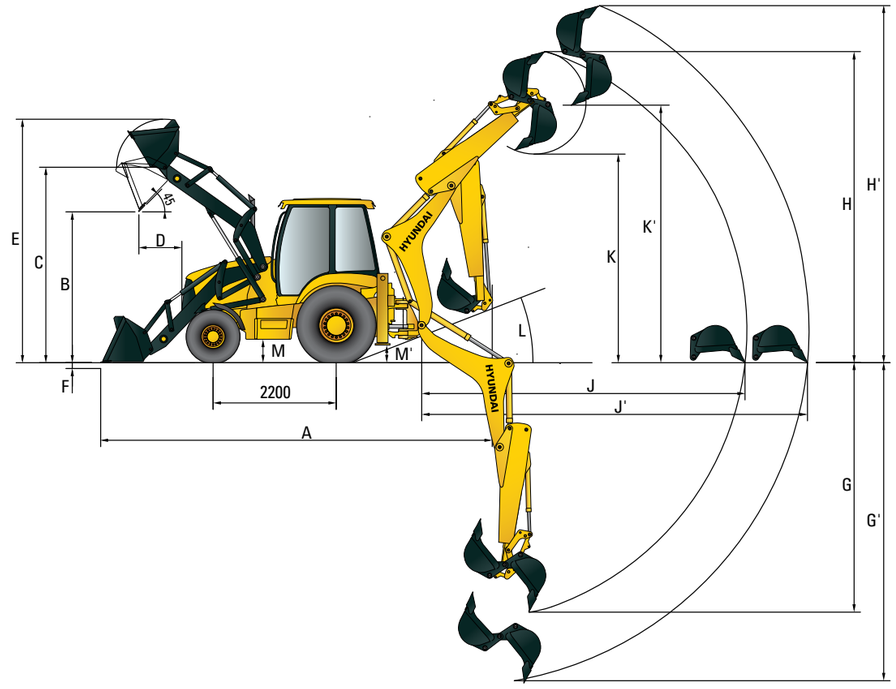
	Capacity (liters)	Width (mm)	Weight (kg)
Loader GP	1,100	2,450	435
Loader MP	1,100	2,450	855
Trenching	170	630	140
Trenching	200	610	155

POWERTRAIN

Transmission		4-speed helical-cut gears, full powershift standard; electric clutch cutoff on loader lever			
Maximum travel speed with standard tire					
H940ST		Gear 1	Gear 2	Gear 3	Gear 4
	Forward (km/hr)	5.4	9.9	19.8	34.6
	Reverse (km/hr)	6.9	12.4	19.6	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

H940ST DIMENSIONS



DIMENSION

(Unit : mm)

	GP Bucket	MP Bucket
Transport length	5,860	5,910
Transport height	4,010	4,010
Transport width	2,450	2,450

Model	H940ST	Model	H940ST
A	7,310	G / G'	4,525 / 5,650
B	2,690	H / H'	5,865 / 6,535
C	3,485	J / J'	5,980 / 6,990
D	785	K / K'	3,935 / 4,610
E	4,345	L	22.5°
F	61	M / M'	515 / 340