

HX355A LCR

With Tier4-Final Engine installed

* Photo may include optional equipment.



Head Office(Sales Office)
14F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

Gross Power
202 kW (270 hp) at 1,800 rpm

Net Power
192.2 kW (257.6 hp) at 1,800 rpm

Operating Weight
35,600 kg / 78,483 lb

WHAT'S NEWEST AND BEST

HX355A LCR



HIGH PRODUCTIVITY AND LOW COST OF OWNERSHIP

Delivers higher productivity and reduced fuel consumption in an efficient and comfortable work environment.

RELIABILITY

Reinforced castings and forged steel pivot points and reinforced heavy-duty arm and boom to withstand high-impact materials. Monoboom or two Piece boom for added versatility. Improved hydraulic line routing to protect your investment.

YOUR SAFETY IS OUR PRIORITY

360° camera system, large side mirrors, powerful LED work lights, anti-slip steps and platforms, guard rails on upper structure, and ultrasonic detection as option.

UNDERCARRIAGE DURABILITY

Forged steel and deep-hardened top rollers – oil-lubricated rollers – heat-treated sprocket – deep-hardened, heat-treated, grease lubricated & longer life track chains.

COMFORT

One of the most spacious cabs in the market, with low noise & vibration levels and excellent all-round visibility. Fully adjustable heated air suspension seat, air conditioning with climate control as standard.

OPERATE AT EASE

All important information is at your fingertips with the new easy-to-use 8" touch screen.

EASY MAINTENANCE

Easy access to all compartments. Radiator and oil cooler separated for better cooling and easier access. Maintenance data directly available from control panel.

ADVANCED FILTRATION

Highest efficiency filters & cleaners remove water, dust & particles to protect your investment optimally.

* Photo may include optional equipment.

RELIABILITY THE EXPERIENCE OF A LIFETIME

In your profession, you need equipment you can depend on. We put durability and reliability at the core of our machines' development. Our materials and structures undergo stringent testing for strength and resilience under the most extreme conditions.

We make the best performance in rough working conditions without any unsureness with trustworthy HX355A LCR.

EXTRA-STRONG X CHASSIS

Designed using finite element analysis and 3D computer simulation, the X shaped undercarriage ensures optimum structural integrity and durability.

UNDERCARRIAGE DURABILITY

- The chain is composed of sealed, self-lubricating links for long-term dependability. For improved protection, alignment and performance, there are 3 types of guard available: normal, double, and full-length, according to the application
- The track spring and idler are joined for long-lasting performance and easy maintenance
- Cast steel heavy-duty sprockets guarantee the highest resistance
- The track rollers are lubricated for life

STRENGTHENED BOOM AND ARM

During the development of our machines, we use intensive testing to calculate the best load distribution throughout the boom structure. Combined with thicker material, this means that element fatigue is limited and both reliability and component life are increased. To better protect the base of the arm, reinforced bars have been added and the arm center and end boss have been strengthened.

ADVANCED FILTRATION

- Fuel filters and water separator: a filter-type high-performance water separator effectively captures moisture in the fuel, reducing impurities and helping minimize any fuel-related issues. Pre-filters and dual main filters as standard achieve a high degree of purity that minimises fuel system failures.
- Cyclonic air pre-cleaner: air filter life and engine efficiency are directly related to the amount of debris ingested through the engine's air intake. Therefore, a cyclonic air pre-cleaner (as standard) is the first stage of an air intake system that prevents the majority of heavier-than-air particles from entering. Selfcleaning and maintenance-free, the system is able to expel all types of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, etc.

* Photo may include optional equipment.



OPERATING IN HIGH COMFORT

* Photo may include optional equipment.

WIDE TOUCHSCREEN

The wide 8" touchscreen provides easy scrolling through the different menus, including power settings and auxiliary hydraulics settings. It also allows you to connect a Bluetooth device or listen to your favorite radio station.

EXPERT FINGERTIP CONTROL

- The new multi-function 8" touch screen displays all useful information in a visual and intuitive format.
- At a glance, you can check the machine's status and settings to achieve optimal efficiency.
- HYUNDAI's unique jog shuttle switch gives you easy and precise control over all machine functions.
- Highly sensitive and low-effort joysticks enable you to work safely, smoothly and confidently.
- The proportional thumb switches on the joysticks can be mounted horizontally or vertically, as the operator prefers, for optimal control of hydraulic attachments.



CAB SUSPENSION

The cab's suspension system (CabSus mount) dampens vibrations and provides outstanding protection against impact. This system absorbs shocks and vibrations much more effectively than a conventional silentblock suspension system.

STRAIGHT ERGONOMIC PEDALS



UNDERCARRIAGE DURABILITY

- Automatic travel speed range selection (slow/fast)
- Activating the power boost control system increases digging force by 10%
- A one-touch deceleration button immediately reduces engine speed to low idle
- Auto-idling starts 4 seconds (adjustable) after all controls are returned to neutral – reducing fuel consumption and noise levels in the cab

4 WORK MODES AND 4 POWER MODES

Delivers the needed power according to your specific application while minimizing fuel consumption:

- 1-way mode, 2-way mode, Digging mode and Lifting mode
- Power Plus mode, Power mode, Standard mode, Economy mode



360 CAMERA SYSTEM

The 360° camera system gives you full view of the machine's surroundings.

BEST-IN-CLASS OPERATOR ENVIRONMENT

The HX355A LCR is designed to provide you with the best possible working conditions. The sophisticated state-of-the-art ROPS cab is pressurized and ISO-certified for your safety. A high-quality heated seat with air suspension provides maximum operator comfort.

FIRST CLASS COMFORT

Comfortably seated, you benefit from a clear all-round view of the worksite and have easy access to several storage compartments. Noise and vibration levels are remarkably low, while air conditioning and automatic climate control allow you to keep working for hours on end without feeling tired. Pedals, joysticks and armrests have all been designed for operator comfort and efficiency.

SIMPLE MAINTENANCE WITH MAXIMUM UPTIME

MAINTENANCE ACCESS MADE SIMPLE

- Large guard rails are installed along with anti-slip steps and plates, for safer, easier access to the whole upper structure.
- The air conditioning filter is placed on the side of the cab for easy access. The filter's cover can be locked and opened with the starter key.
- A battery cut-off switch makes it easy to disconnect the battery for long-term storage.
- The hour meter display can be easily checked from ground level.
- Shut-off valves have been fitted on the pre-filter piping line and fuel tank drain piping to make servicing easier and prevent pollution from leakage.
- Engine parts can be easily reached via the top and side panels.
- The radiator and oil cooler have been separated, making access for cleaning easier.
- For extra accessibility and servicing convenience, all filters (engine oil filter, fuel pre-filters, fuel filters and pilot filter) are located in the pump compartment.
- An electric transfer pump for initial priming of fuel filters is featured as standard.

ADBLUE® TANK

Connected to the ECU, sensors in the tank detect low levels of AdBlue. or any other system malfunction.

CENTRALISED GREASING POINTS

To make maintenance easier, the greasing points have been centralised. An automatic lubrication system is available as an option.



THE ULTIMATE SAFE ENVIRONMENT

360° camera system, large side mirrors, powerful LED work lights,
Anti-slip steps and platforms, guard rails on upper structure, and ultrasonic detection as option.



* Photo may include optional equipment.

HX355A LCR SPECIFICATIONS

ENGINE

| | |
|-------------------------|--|
| Maker / Model | HYUNDAI / DL08 |
| Type | 4-cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine |
| Gross power (SAE J1995) | 202 kW (270 hp) at 1,800 rpm |
| Net power (SAE J1349) | 192.2 kW (257.6 hp) at 1,800 rpm |
| Max. Power | 202 kW (270 hp) at 1,800 rpm |
| Peak Torque | 1,275 N . m (940 lb . ft) at 1,300 rpm |
| Piston displacement | 7.640 l (466cu in) |

HYDRAULIC SYSTEM

MAIN PUMP

| | |
|----------------------------|---|
| Type | Variable displacement tandem axis piston pumps |
| Max. flow | 2 x 288 L/min (2 x 76.1 Us gpm / 2 x 63.4 UK gpm) |
| Sub-pump for pilot circuit | Gear pump |

Cross-sensing and fuel saving pump system.

AUXILIARY PRESSURE

| | | |
|----------|----------------|--------------------------------------|
| 2 Way | Flow (l/min) | 50~570 lpm |
| | Pressure (bar) | 245~350 bar |
| Rotating | Flow (l/min) | 38 lpm |
| | Pressure (bar) | 78.45 bar (80k kgf/cm ²) |

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 | 350 kgf/cm ² (4,980 psi) |
| Travel | 350 kgf/cm ² (4,980 psi) |
| Power boost (Boom, Arm, Bucket) | 370 kgf/cm ² (5,262 psi) |
| Swing circuit | 260 kgf/cm ² (3,698 psi) |
| Pilot circuit | 40 kgf/cm ² (570 psi) |
| Service valve | Installed |

HYDRAULIC CYLINDERS

| | | |
|-------------------------------|--------|--------------------------------|
| No. of cylinder bore X stroke | Boom | 2-140 X 1,530 mm (2pcs: 1,400) |
| | Arm | 1-160 X 1,660 mm |
| | Bucket | 1-140 X 1,150 mm |
| | Blade | 2-140 X 432 mm |

DRIVES & BRAKES

| | |
|--------------------------------|---------------------------------------|
| Drive method | Fully hydrostatic type |
| Drive motor | Axial piston motor, in-shoe design |
| Reduction system | Planetary reduction gear |
| Max. drawbar pull | 37,800kgf (83,334 lbf) |
| Max. travel speed (high / low) | 5.2 km/hr (3.2mph) / 3.2 km/hr (2mph) |
| Gradeability | 35° (70 %) |
| Parking brake | Pilot Pressure, Mechanical |

CONTROL

| | |
|---|--|
| Pilot pressure operated joysticks and pedals with levers provide almost effortless and fatigueless operation. | |
| Pilot control | Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket |
| Traveling and steering | Two levers with pedals |
| Engine throttle | Electric, Dial type |

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,245 mm (20' 4") boom, 3,100 mm (10' 1") arm, SAE heaped 1.27 m³ (1.66 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipment.

OPERATING WEIGHT

| Shoes | Width mm (in) | Operating weight kg (lb) | Ground pressure kgf / cm ² (psi) |
|----------------|---------------|--------------------------|---|
| Triple grouser | 700 (28") | 35,600 (78483) | 0.59 (8.39) |
| | 800 (31") | 36,000 (79365) | 0.52 (7.39) |
| | 850 (33") | 36,200 (79,807) | 0.49 (6.96) |

SWING SYSTEM

| | |
|---------------------------|----------------------------------|
| Swing motor | Axial piston motor |
| Swing reduction | 2Stage -Planetary gear reduction |
| Swing bearing lubrication | Grease-bathed |
| Swing brake | Multi wet disc |
| Swing speed | 9.81 rpm |

COOLANT & LUBRICANT CAPACITY

| | liter | US gal |
|-----------------------------------|-------|--------|
| Fuel tank | 490 | 127.4 |
| Engine coolant | 47.5 | 12.4 |
| Engine oil | 42 | 10.9 |
| Swing device | 7 | 1.8 |
| Final drive (each) | 7 | 1.8 |
| DEF / AdBlue R tank | 62 | 16.1 |
| Hydraulic system (including tank) | 280 | 72.8 |
| Hydraulic tank | 175 | 45.5 |

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 | 48 EA |
| No. of carrier roller on each side | 2 EA |
| No. of track roller on each side | 9 EA |
| No. of rail guard on each side | 2 EA |

CAB NOISE LEVEL

Guaranteed noise level presented below can be differed depending on a range of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection may be necessary if an operator is working in the improperly maintained cabin or exposed to a noisy environment by leaving doors and/or windows open. With cooling fan speed Operator sound pressure level (ISO 6396:2008) 69 dB(A) Exterior sound power level (ISO 6395:2008) 104 dB(A)
* Distance of 15 m (49.2 ft), moving forward in second gear ratio

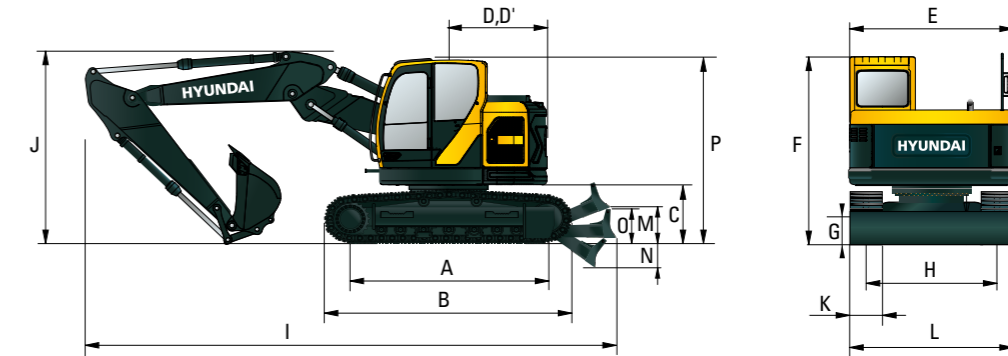
AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430) The system hold 0.65kg refrigerant consisting of a CO₂ equivalent 0.9295kg metric tonne. For more information, Please refer to the manual.

HX355A LCR DIMENSIONS & WORKING RANGE

HX355A LCR DIMENSIONS

6.245 m (20' 4") & 2 Piece BOOM & HD Boom and 3.1 m (10' 1"), 2 Piece Arm & HD arm



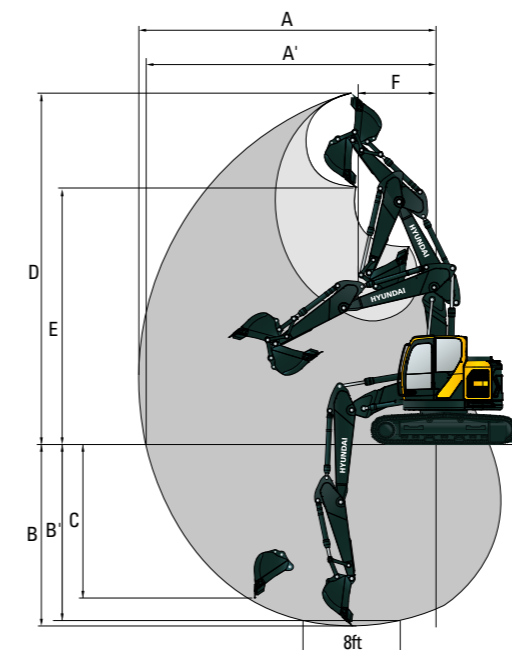
Unit : mm (ftin)

| | | |
|----|-----------------------------------|-----------------|
| A | Tumbler distance | 4,040 (13' 3") |
| B | Overall length of crawler | 4,960 (16' 3") |
| *C | Ground clearance of counterweight | 1,130 (3' 8") |
| D | Tail swing radius | 1,900 (6' 3") |
| D' | Rear-end length | 1,900 (6' 3") |
| E | Overall width of upperstructure | 2,990 (9' 10") |
| *F | Overall height of cab | 3,100 (11' 10") |
| *G | Min. ground clearance | 475 (1' 7") |
| H | Track gauge | 2,750 (9' 0") |
| M | Ground clearance of blade up | 660 (2' 2") |
| *N | Depth of blade down | 751 (2' 6") |
| O | Height of blade | 830 (2' 9") |
| P | Overall height of guard rail | 3,200 (10' 6") |

* Without shoe grouser height (30 mm)

| | | | |
|-------------|------------------------|-------------------|-----------------|
| Boom length | 6245 (20' 4") STD | 6245 (20' 4") STD | 2 Piece Boom |
| Arm length | 3,100 STD (6' 7") | 3,100 HD (6' 7") | 2 Piece Arm |
| I | Overall length | 9,975 (32' 9") | 10,740 (35' 3") |
| *J | Overall height of boom | 3,425 (11' 3") | 3,525 (11' 7") |
| K | Track shoe width | 850 (2' 78") | 850 (2' 78") |
| L | Overall width | 3,600 (11' 10") | 3,600 (11' 10") |

HX355A LCR WORKING RANGE



Unit : mm (ftin)

| | | | |
|-------------|----------------------------------|--------------------|-------------------|
| Boom length | 6,245 (20' 4") STD | 6,245 (20' 4") STD | 2 Piece Boom |
| Arm length | 3,100 STD (10' 17") | 3,100 HD (6' 7") | 3,100 2 Piece Arm |
| A | Max. digging reach | 10,820 (35' 49") | 10,640 (34' 9") |
| A' | Max. digging reach on ground | 10,620 (34' 84") | 10,435 (34' 2") |
| B | Max. digging depth | 6,970 (18' 10") | 6,440 (21' 11") |
| B' | Max. digging depth (8' level) | 6,160 (22' 86") | 3,660 (12' 0") |
| C | Max. vertical wall digging depth | 5,415 (17' 76") | 5,155 (16' 9") |
| D | Max. digging height | 11,200 (36' 74") | 11,805 (38' 7") |
| E | Max. dumping height | 8,065 (26' 45") | 8,615 (28' 2") |

HX355A LCR

STANDARD / OPTION

| ENGINE | STD | OPT |
|---|-----|-----|
| Hyundai - DL08 | ● | |
| High-pressure common-rail (HPCR) | ● | |
| Variable geometry (VGT) | ● | |
| Cooled exhaust gas recirculation (CEGR) | ● | |
| Selective catalyst reduction (SCR) | ● | |
| Diesel exhaust fluid (DEF) | ● | |
| Fuel filter with water separator | ● | |
| Coolant expansion tank | ● | |
| Dual element dry-type air filter with evacuator | ● | |
| Electronic engine control (ECU) | ● | |
| Auto idle | ● | |
| Auto shutdown (time-adjustable) | ● | |
| Overheat & low oil pressure engine protection | ● | |
| Block heater (110 V) | | ● |
| HYDRAULIC SYSTEM | | |
| Electronic Power Optimizing System (EPOS) | ● | |
| Variable axial piston main pump (tandem) | ● | |
| Cross-sensing pump control | ● | |
| Pilot-operated control valves | ● | |
| Gear pilot pump | ● | |
| Smart Power Control (SPC) | ● | |
| Axial piston swing motor | ● | |
| Spring-applied hydraulic release brake, swing motor | ● | |
| Axial piston travel motor (high/low, auto) | ● | |
| Auxiliary hydraulics, one- & two-way piping | ● | |
| Auxiliary hydraulics, tilt/rotate piping | ● | |
| Adjustable auxiliary flow & pressure, 10 presets | ● | |
| Breaker filter | | ● |
| Straight travel | | ● |
| CONTROLS | | |
| Joystick controls | ● | |
| Pattern control change valve (SAE, ISO) | ● | |
| Joystick attachment control | | |
| Switches/buttons | ● | |
| • Right (one-way, two-way, power boost) | | |
| • Left (tilt/rotate, horn, one-touch decel) | | |
| Foot pedal attachment control | ● | |
| Control stands | | |
| • Height adjustable | ● | |
| • Sliding (fore/aft) | | |
| • Tilting armrests | | |
| Engine speed control dial | ● | |
| Travel pedals with hand levers | ● | |
| Straight travel pedal | | ● |
| Switches, console-mounted | | |
| • Starter button switch | ● | |
| • Travel speed selector | | |
| • Work light | | |
| • Auxiliary mode switch | | |
| Emergency stop switch | ● | |
| Power modes (P+, P, S, E) | ● | |
| Work modes (digging, lifting, breaker, shear) | ● | |
| Smart Power Control (SPC) | ● | |
| Jog dial display control | ● | |
| Bluetooth® control panel | ● | |
| Wiper control panel | ● | |
| Audio control panel | ● | |

| CAB & INTERIOR | STD | OPT |
|--|-----|-----|
| CABIN ROPS (ISO 12117-2) | | |
| ROPS (Roll Over Protective Structure) | ● | |
| Steel, all-weather & sound-suppressed | ● | |
| Viscous mount with spring reinforcement | ● | |
| Front window with wiper/washer | ● | |
| Tinted safety glass | ● | |
| Skylight top hatch with sun screen | ● | |
| Front window with sun screen | ● | |
| Pull-up type top front window | ● | |
| Removable lower front window with storage behind seat | ● | |
| Adjustable sliding side door window | ● | |
| Defrost, front window | ● | |
| Seat | | |
| • Heated | | |
| • Air suspension | | |
| • 2" (51 mm) seat belt | ● | |
| • recline | | |
| • Adjustable fore/aft | | |
| • Adjustable armrests | | |
| Control stands | | |
| • Height adjustable | ● | |
| • Mounted to seat base | | |
| Storage for operator's manuals | ● | |
| Fully automatic HVAC with ambient temperature sensor | ● | |
| 8" multi-function LCD interactive display monitor | ● | |
| Cigarette lighter | ● | |
| Digital Bluetooth audio broadcasting MP3 radio with cell phone integration | ● | |
| Speakers (2) | ● | |
| Antenna, roof-mounted | ● | |
| Emergency breakout tool | ● | |
| Hot/cold beverage compartment | ● | |
| Power socket, 12 V & 24 V | ● | |
| Cup holder | ● | |
| Interior light | ● | |
| Coat hanger | ● | |
| Rain shield | | ● |
| Fog guard | | ● |
| Panto wiper, front windshield & lower window | ● | |
| Front window guard | | ● |
| Vandalism window cover mount | ● | |
| ELECTRICAL | | |
| System voltage – 24 V | ● | |
| Alternator – 24 V, 80 amp | ● | |
| 2 x 12 V batteries, 150 AH reserve capacity | ● | |
| Blade-type fuse panel | ● | |
| Main circuit breaker | ● | |
| Light, work (LED): 6 cab top, front (4), rear (2) | | ● |
| Light, work (LED): 4 cab top, front (2), rear (2) | ● | |
| Rotating beacon | | ● |
| Hour meter | ● | |
| Engine restart prevention system | ● | |
| Side view & rearview camera with LED lamps (6) | ● | |
| 360° all-around view camera | | ● |
| Ultrasonic sensor | | ● |
| Self-diagnostics system | ● | |
| Smart key (remote ignition key) | ● | |

| DISPLAY MONITOR & WARNINGS | STD | OPT |
|--|-----|-----|
| Indicators | | |
| • Work modes (P+, P, S, E) | ● | |
| • User/Service menu | | |
| Gauges | | |
| • Fuel level | | |
| • DEF level | | |
| • Engine coolant temperature | | |
| • Hydraulic oil temperature | | |
| • Engine rpm | ● | |
| • Battery voltage | | |
| • Hydraulic pump pressure | | |
| • ECO | | |
| • Trip meter | | |
| • Hour meter | | |
| • Fuel consumption | | |
| Warning & indicator lights | | |
| • Seat belt | | |
| • Error code | | |
| • SCR warning | | |
| • Check engine | | |
| • Engine oil pressure | | |
| • Engine pre-heat engaged | | |
| • Radiator coolant level & temperature | | |
| • Air filter | ● | |
| • Fuel level | | |
| • DEF level – low | | |
| • Water in fuel | | |
| • Battery charge | | |
| • Work lights on | | |
| • Hydraulic oil temperature | | |
| • Hydraulic charge pressure | | |
| • Hydraulic pilot filter | | |
| • Hydraulic return filter | | |
| Swing alarm | ● | |
| Travel alarm | ● | |
| Buzzer | | |
| • Engine oil pressure | ● | |
| • Coolant temperature | | |
| OTHERS | | |
| BOOMS | | |
| 6.245 m mono, 20' 6" | ● | |
| 6.245 m mono, 20' 6", heavy duty | | ● |
| 2-piece, 3.05m + 3.25m / 10' 0" + 10' 8" | | ● |
| ARMS | | |
| 3.1 m, 10' 2" | ● | |
| 3.1 m, 10' 2", heavy duty | | ● |
| 3.75 m, 12' 4" | | ● |
| Removable reservoir tank | ● | |
| Fuel warmer | | ● |
| Hi-mate (Remote Management System) | ● | |
| Quick coupler piping | ● | |
| One Pedal Straight Travel System | | ● |
| Accumulator for lowering work equipment | ● | |
| Pattern change valve (2 patterns) | ● | |
| UNDERCARRIAGE | | |
| Dozer blade | | ● |
| TRACK SHOES | | |
| Shoes, triple grouser – 700 mm | | ● |
| Shoes, triple grouser – 800 mm | | ● |
| Shoes, triple grouser – 850 mm | ● | |
| Standard track rail guard | ● | |
| Full track rail guard | | ● |

* 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.