ENGINE	STD	OPT
Hyundai HM8.3 Engine	●	

HYDRAULIC SYSTEM	STD	OPT
Intelligent Power Control (IPC)		
3-power mode, 2-work mode, user mode	●	
Variable power control	●	
Pump flow control	●	
Attachment mode flow control		●
Engine auto idle	●	
Engine auto shutdown control		●

CAB & INTERIOR	STD	OPT
ISO Standard Cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 V power outlet (24 V DC to 12 V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window (LH)	●	
Lockable door	●	
Hot & Cool box	●	
Storage compartment & Ashtray	●	
Sun visor	●	
Door and cab locks, one key	●	
Pilot-operated slidable joystick	●	
Cabin lights		●
Cabin front window rain guard		●
Cabin roof-steel cover	●	
Automatic Climate Control		
Air conditioner & Heater	●	
Defroster	●	
Starting aid (air grid heater) for cold weather	●	
Centralized Monitoring		
8" LCD display - Normal type	●	
8" LCD display - Premium type		●
Engine speed or trip meter / Accel	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed / High speed	●	
Auto idle	●	
Overload warning with alarm		●
Check engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Seat		
Mechanical suspension without heater	●	
Mechanical suspension with heater		●
Cabin FOPS		
FOPS (Falling object protective structures) · ISO 10262 Level 2		●
FOG (Falling object guard) ISO 10262 Level 2 — Front & Tops guard		●
FOG (Falling object guard) ISO 10262 Level 2 — Top guard		●
Cabin ROPS		
ROPS (Roll over protective structures) · ISO 12117-2		●

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAVM (Advanced around view monitoring)		●
Six front working lights (4 boom mounted, 2 front frame mounted)	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device		●
Safety lock valve for arm cylinder		●
Two outside rearview mirror	●	

ATTACHMENT	STD	OPT
Booms		
6.45 m, 21' 2" (HD)	●	
Arms		
3.2 m, 10' 6"	●	

OTHERS	STD	OPT
Removable clean-out dust net for cooler	●	
Removable washer tank	●	
Fuel pre-filter	●	
Fuel warmer		●
Self-diagnostics system	●	
Hi MATE (Remote management system)		●
Batteries (2 × 12 V × 150 AH)	●	
Fuel filler pump (50 lpm)		●
Single-acting piping kit (Breaker, etc.)		●
Accumulator for lowering work equipment	●	
General type guardrail		●
Tool kit		●

UNDERCARRIAGE	STD	OPT
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Track Shoes		
Triple grousers shoes (600 mm, 24")	●	
Triple grousers shoe (800 mm, 32")		●

* 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.

HYUNDAI CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
3F, BUNDANG FIRST TOWER, 55 BUNDANG-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13591, KOREA

PLEASE CONTACT

www.hyundai-ce.com

2022. OCT

MOVING YOU FURTHER

HX340HD



*Photo may include optional equipment.

Gross Power	Net Power	Bucket Capacity	Operating Weight
194 kW (260 HP) at 2,200 rpm	190 kW (255 HP) at 2,200 rpm	1.74m3(2.28yd3)	33,000 kg / 72,750 lb

HYUNDAI
CONSTRUCTION EQUIPMENT

WHAT'S NEWEST AND BEST

HX340HD

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- New Variable Power Control
- Fuel Rate Information **Option**
- Attachment Flow Control **Option**
- IPC (Intelligent Power Control) **Upgrade**
- ECO Gauge
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover

ULTIMATE DURABILITY

- Durable Cooling Module
- Reinforced Pin, Bush, and Polymer Shim
- Reinforced Durability of Upper and Lower Structure and Attachments
- Wear Resistant Cover Plate
- Hi-grade (High-pressure) Hoses

EASY CONTROL AND COMFORTABLE OPERATION

- Intelligent and Wide Cluster
- New Front Side Air-conditioning System
- New Audio System



THE ULTIMATE SAFE ENVIRONMENT

- AAVM (Advanced Around View Monitoring) Camera System **Option**
- Hi MATE (Remote Management System) **Option**
- Cab Suspension Mount



*Photo may include optional equipment.



*Photo may include optional equipment.

New Variable Power Control

The HX Series minimizes equipment input and output control signals to improves fuel efficiecy. Its three-stage power mode ensures the highest performance in any operating environmet.

* **P(power) mode :** Maximizes speed and power of the equipment for heavy load work.
* **S(standard) mode :** Optimizes performance and fuel efficiency of the equipment for general load work.
* **E(economy) mode :** Improves the control system for light load work.

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

Fuel Efficient System, Allows Great Performance

The HX Series has an eco-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.

15% increased greater screen from 7 to 8 inch is applied in HX Series.
More funtions and better resolution are available with adding premium options.



Fuel Rate Information Option



IPC (Intelligent Power Control) Upgrade

HX Series adopts the upgraded IPC system. It is able to optimize pump flow rate and power at the various working condition through the individual pump control. Furthermore, optimized design of MCV and pipe line minimizes energy loss such as conflux and throttle loss.



Attachment Flow Control Option

The HX Series improves pump flow rate by independent control of two pumps. It optimizes attachments for effective flow rate setting depending on attachments (ten breaker types and ten crusher types), enabling various operations matching the site environments.



Eco Gauge

Eco gauge enables economic operation of machines. The gauge level and color displays engine torque and fuel efficiency level. On top of that, the status of fuel consumption such as average rate and the total amount of fuel consumed is displayed. Hourly and daily based fuel consumption can be checked in the detailed menu as well.



New Cooling System with Increased Air Flow

With the cooling module improving air inflow, the HX Series provides excellent cooling performance by increasing heat dissipation.



Enlarged Air Inlet with Grill Cover

Enlarged vent hole of the air inlet side cover and fine net grill to prevent penetration of foreign materials further improve durability.

ULTIMATE DURABILITY

New Exterior Design for Robustness and Safety

The true value of the HX Series lies in its durability. The robust frame structure and the attachments show the real value of the HX Series in tough working environments and promise higher productivity.



Durable Cooling Module

The HX Series has a durable cooling module that passed stringent tests, demonstrating the highest productivity in tough working environments.



Reinforced Pin, Bush, and Polymer Shim

The HX Series improves lubricity of connecting parts between the equipment and attachments. Gaps with attachments are minimized by wear-resistant long-life pins, bushes, and polymer shims, supporting the highest performance with invariable durability.



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the HX Series have higher durability than demanded on the site, as proven through numerous tests including road tests and virtual simulation. The wear resistance of the bucket has been improved by use of new material.

Wear Resistant Cover Plate

A wear-resistant cover plate is installed at the end of the arm to minimize abrasion on the connector between the arm and the bucket. Vibration reduction of buckets enables more stable operation even in high-load work.



*Photo may include optional equipment.

Hi-grade (High-pressure) Hoses

The HX Series uses high-pressure hoses with improved heat and pressure resistance, greatly increasing the durability of the equipment.



*Photo may include optional equipment.

EASY CONTROL AND COMFORTABLE OPERATION

Improved Instrument Panel for Easier Monitoring

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of HCE's intensive information technology development, enables both productivity and comfort while working! The HX Series is designed with the operator in mind.



Intelligent and Wide Cluster

The 8-inch interactive touchscreen display of the HX Series is 15% larger than that of the previous model. The centralized switches on the display allow the operator to check the temperature outside the cab.



New Front Side Air-conditioning System

The ventilation is designed for both warm and cool air reaching to operators' faces. It could helps operators create more neat and enjoyable atmosphere through indoor air circulation.



Front Side Air-Vent

New Audio System

The radio player with a USB-based MP3 player, an integrated Bluetooth hands-free feature, and a built-in microphone allow for phone calls while at work and in transit. The radio player is conveniently located on the right side of the operator to allow for improved access.

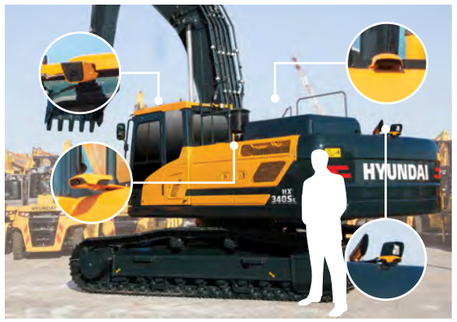


THE ULTIMATE SAFE ENVIRONMENT

New Cabin for More Comfort

Low noise, low vibration, and ergonomic design make the cabin space more comfortable and pleasant! With focus on safety and convenience of operators, the HX Series allows rapid and safe equipment inspection anytime and anywhere, providing an optimal environment for operators to work.





AAVM (Advanced Around View Monitoring) Camera System Option

The HX Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, thereby preventing accidents. Operators can easily check the workplace in the front and rear and to the right and left.

* AVM (Around View Monitoring): Secure field of vision in all directions by nine views including 3D bird's eye view and 2D / 4CH view.
* IMOD (Intelligent Moving Object Detection): Inform when people or dangerous objects are detected within the range of operation (Recognition distance: 5m).

Hi MATE Option

It's Convenient, Easy and Valuable

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technolgy to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

What is benefits

Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.

Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.

Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.



*Photo may include optional equipment.

Cab Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of the HX Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatigue.

SPECIFICATIONS

ENGINE

Maker / Model	HYUNDAI / HM8.3
Type	6 cylinder, water cooled, 4-cycle, turbocharged, charge air cooled, direct injection, mechanical controlled diesel engine.
Gross Power	194 kW (260 HP) at 2,200 rpm
Net Power	190 kW (255 HP) at 2,200 rpm
Max. Power	195 kW (261 hp) at 2,000 rpm
Peak Torque	1,150 N · m (848 lb.ft) at 1,300 rpm
Displacement	8.3 ℓ (506 cu in)

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2×306 lpm
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system.

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/cm² (4,980 psi)
Travel	350 kgf/cm² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,400 psi)
Swing circuit	300 kgf/cm² (4,270 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom 2-Ø150×1,480 mm
	Arm 1-Ø160×1,685 mm
	Bucket 1-Ø140×1,285 mm

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	29,500 kgf (65,030 lbf)
Max. travel speed (high / low)	6.4 km/hr (3.98 mph) / 3.6 km/hr (2.11 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, dial type

SWING SYSTEM

Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.2 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Fuel tank	600	158.5	132
Engine coolant	25	6.6	5.5
Engine oil	26.5	7.0	5.8
Swing device	11	2.91	2.42
Final drive (each)	8.0 (7.8)	2.06	1.72
Hydraulic system (including tank)	414	109.4	91.06
Hydraulic tank	210	55.5	46.2

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

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,450 mm (21' 2") boom, 3,200 mm (10' 6") arm, SAE heaped 1.74 m³ (2.28 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm² (psi)
Triple grouser	600 (24")	HX340HD	33,000 (72,750)	0.64 (9.03)
	800 (32")	HX340HD	33,950 (74,850)	0.49 (6.97)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a.
(Global warming potential : 1,430)
The system hold 0.8 kg refrigerant consisting of a CO_2 equivalent 1.14 kg metric tonne. For more information, please refer to the manual.

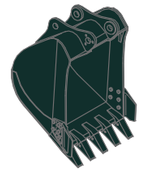
BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m³ (yd³)

1.74 (2.28)



Capacity m³ (yd³)		Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft-in)
SAE heaped	CECE heaped				6,450 (HD) (21' 2") Boom
					3,200 (10' 6") Arm
1.74 (2.28)	1.50 (1.96)	1,620 (63.8")	1,260 (2,780)	6	◐

● : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf / yd³) or less
◐ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf / yd³) or less
■ : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf / yd³) or less
▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf / yd³) or less
x : Not Recommended

DIGGING FORCE

Boom	Length	mm (ft·in)	6450(21' 2") (HD)
	Weight	kg (lb)	3030 (6,680)
Arm	Length	mm (ft·in)	3,200 (10' 6")
	Weight	kg (lb)	1,770 (3,900)
Bucket digging force	SAE	kN	188.3 [204.5]
		kgf	19,200 [20,850]
		lbf	42,330 [45,970]
	ISO	kN	216.7 [235.3]
		kgf	22,100 [23,990]
		lbf	48,720 [52,890]
Arm crowd force	SAE	kN	140.2 [152.3]
		kgf	14,300 [15,530]
		lbf	31,530 [34,240]
	ISO	kN	145.1 [157.6]
		kgf	14,800 [16,070]
		lbf	32,630 [35,430]

Note : Boom weight includes arm cylinder, piping and pin Arm weight includes bucket cylinder, linkage and pin

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.

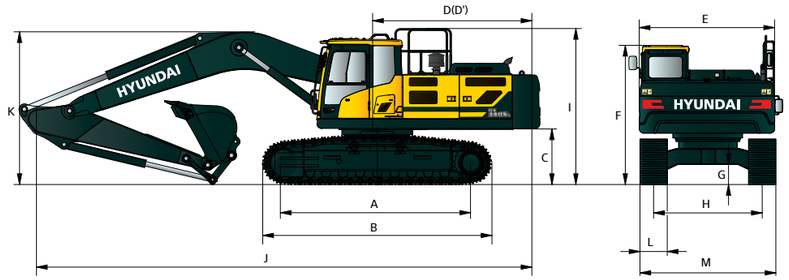
6,450 mm (21' 2") boom and 3,200 mm (10' 6") arms are available,

Hyundai Bucket are all-welded, high-strength steel implements.

DIMENSIONS & WORKING RANGE

HX340HD DIMENSIONS

6.45 m (21' 2") BOOM and 3.2 m (10' 6") ARM



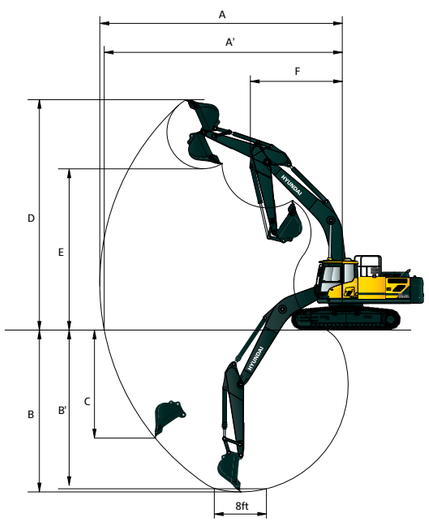
Unit : mm (ft · in)

A	Tumbler distance	4,030(13' 3")	
B	Overall length of crawler	4,940(16' 2")	
*C	Ground clearance of counterweight	1,200(3' 11")	
D	Tail swing radius	3,570(11' 9")	
D'	Rear-end length	3,510(11' 6")	
E	Overall width of upperstructure	2,980(9' 9")	
*F	Overall height of cab	3,145(10' 4")	
G	Min. ground clearance	500(1' 8")	

H	Track gauge	2,680(8' 10")
*I	Overall height of guardrail (Opt)	3,350(11' 0")
	Boom length	6,450 (HD) (21'2")
	Arm length	3,200 (10' 6")
J	Overall length	11,220 (36' 10")
*K	Overall height of boom	3,360 (11' 0")
L	Track shoe width	700 (28")
M	Overall width	3,380 (11' 1")

* This figure includes the size of grousers.

HX340HD WORKING RANGE



Unit : mm (ft · in)

	Boom length	6,450 (HD) (21' 2")
	Arm length	3,200 (10' 6")
A	Max. digging reach	11,150 (36' 7")
A'	Max. digging reach on ground	10,950 (35' 11")
B	Max. digging depth	7,360 (24' 2")
B'	Max. digging depth (8' level)	7,200 (23' 7")
C	Max. vertical wall digging depth	6,330 (20' 9")
D	Max. digging height	10,360 (34' 0")
E	Max. dumping height	7,260 (23' 10")
F	Min. swing radius	4,360 (14' 4")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX340HD

6.45m (20'2") HD Boom, 3.2m (10' 6") arm equipped with 600mm (24") triple grouser shoe and 6,000kg(13,228 lb) counterweight

Lift point height m (ft)		Lift-point radius										At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0m (29.5ft)		Capacity		Reach
7.5 m	kg							*6830	6790			*5610	*5610	7.74
(24.6 ft)	lb							*15060	14970			*12370	*12370	(25.4)
6.0 m	kg							*7850	6720			*5430	5270	8.62
(19.7 ft)	lb							*17310	14820			*11970	11620	(28.3)
4.5 m	kg			*11970	*11970	*9640	9230	*8500	6510	*6660	4810	*5450	4650	9.17
(14.8 ft)	lb			*26390	*26390	*21250	20350	*18740	14350	*14680	10600	*12020	10250	(30.1)
3.0 m	kg			*15500	13260	*11320	8690	*9370	6240	7090	4690	*5650	4330	9.44
(9.8 ft)	lb			*34170	29230	*24960	19160	*20660	13760	15630	10340	*12460	9550	(31.0)
1.5 m	kg			*17440	12360	*12820	8210	9170	5970	6950	4560	*6050	4220	9.47
(4.9 ft)	lb			*38450	27250	*28260	18100	20220	13160	15320	10050	*13340	9300	(31.1)
0.0 m	kg			*17250	11990	12580	7910	8960	5790	6860	4470	6590	4300	9.25
(0.0 ft)	lb			*38030	26430	27730	17440	19750	12760	15120	9850	14530	9480	(30.4)
-1.5 m	kg	*10800	*10800	*18850	11930	12440	7790	8870	5700			7100	4620	8.77
(-4.9 ft)	lb	*23810	*23810	*41560	26300	27430	17170	19550	12570			15650	10190	(28.8)
-3.0 m	kg	*17460	*17460	*17650	12060	12490	7830	8920	5750			8190	5320	7.98
(-9.8 ft)	lb	*38490	*38490	*38910	26590	27540	17260	19670	12680			18060	11730	(26.2)
-4.5m	kg	*20530	*20530	*15150	12380	*11380	8060					*9570	6870	6.76
-14.8ft	lb	*45260	*45260	*33400	27290	*25090	17770					*22,000	20,350	(22.2)
-6.0m	kg													
-19.7ft	lb													

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.

