

HX35AZ

With Stage V / Tier 4 final Engine installed



* Photo may include optional equipment.

Engine output (HP/kW)
24.6(18.5)

Machine weight (kg/lbs)
3,880(8,550)

HD Hyundai Construction Equipment India Pvt. Ltd.

Factory Location

Plot No. A-2, M.I.D.C. Chakan, Phase II,
Village: Khalumbre, Taluka: Khed, Dist: Pune-410501
E mail: hyundai.care@theconnectionsindia.com
Toll Free No.: 1800 209 8600

Please Contact

Scan the QR code
with your phone
camera & visit
our website



Oct 2023

in.hd-hyundaice.com [@hdhyundaiceindia](https://www.facebook.com/hdhyundaiceindia) [/HDHyundaiCEIndia](https://www.facebook.com/HDHyundaiCEIndia) [@HyundaiCEIndia](https://www.facebook.com/HyundaiCEIndia)
[/hyundai-construction-equipment-india-pvt-ltd/](https://www.linkedin.com/company/hyundai-construction-equipment-india-pvt-ltd/) [@/HDHyundaiCEIndia](https://www.linkedin.com/company/HDHyundaiCEIndia)



WHAT'S NEWEST AND BEST

HX35AZ

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU Stage V / EPA Tier 4 Final Engine
- Auto Engine Idle
- True Zero-tail
- 2way & 4way Aux. Line with Proportional Control **Option**
- Quick Coupler Piping **Option**
- Dozer Blade Floating
- Angle Dozer **Option**
- Boom Swing Function
- Long Arm and Heavy Counterweight **Option**

EASY CONTROL AND COMFORTABLE OPERATION

- Digital cluster
- Auxiliary Pressure Adjustment
- Centralized Switch Console
- Pattern Change Valve with Better Accesibility
- Heating & A/C system (cabin)
- Spacious & Comfortable New Cabin
- Improved Visibility
- Auto-Shift Travel Speed

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

- ROPS / OPG Cabin/Canopy **Option**
- Standard Boom/Arm/Bucket Cylinder Guard
- New Designed Attachment for Durability
- Optimized Hydraulic Layout

THE ULTIMATE SAFE ENVIRONMENT

- Safety Belt Warning Alarm
- Emergency Engine Stop Switch
- Travel Alarm
- FOG protective structure **Option**
- LED Work Light & Beacon Lamp **Option**
- Boom and Arm Safety Valves **Option**
- Anti-theft System

SERVICEABILITY AND TELEMATICS

- Fully Accessible MCV & Engine
- 2-Piece Dozer Hose
- Standard Tilting Cabin



reddot winner 2022

* Photo may include optional equipment.



◀ EU Stage V / EPA Tier 4 Final Certified Engine

The new engine meets EU Stage-V, EPA Tier-4 Final emission regulations without DPF and AdBlue, allowing for reduced maintenance costs for after-treatment devices.



THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HX A Series is equipped with eco-friendly, high-performance engines that meet the EU Stage V / EPA Tier 4 final emission requirements.

Auto Engine Idle

Introducing our auto engine idle feature, which optimizes fuel efficiency by reducing RPM when the equipment is not in use.

Dozer Floating

Dozer floating function enables the excavator blade to glide smoothly over the surface of the ground, ensuring a precise finish without damaging the surface.

Angle Dozer

Angle dozer option allows you to quickly and easily switch between digging, grading, and leveling tasks, saving you time and increasing efficiency on the job site.

True Zero-tail

HX35AZ & hx48AZ eliminates the rear overhang, allowing the excavator to rotate freely within its own footprint. This feature enhances maneuverability and safety while minimizing the risk of damage to surrounding structures.

2 Way & 4 Way Aux. Line with Proportional Control

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work. And this function can be switched with pedal valve in cluster setting menu. The roller switch on both joysticks allows to operate multi-function work tools in an efficient way.

Quick Coupler Piping

The HX-A mini excavators are available with a factory-fitted hydraulic line to operate any hydraulic quick coupler. Thus allowing for quick changes of work tools, without having to leave the operator cabin.



* Photo may include optional equipment



NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

The true value of HX A Series lies in its durability and high productivity. The robust upper and lower frame structure can endure external shock and heavy work loads. Attachment performance has been proven through rigorous field testing. No matter how tough the working environment is, you can always rely on the HYUNDAI Excavator HX A Series.



* Photo may include optional equipment.

HX35AZ delivers best performance in rough working conditions

HX A Series is equipment with eco-friendly, high-performance engines that meet the EU Stage V emission requirement. Become a true leader on the ground with HX A Series.

* ROPS Cabin and Canopy

The cabin structure of Hyundai HX A Series is using integrally welded low-stress, high strength steel to meet ROPS and FOG certification.

- ROPS : Roll-Over Protective Structures ISO12117-2
- OPG : Operator Protective Guard, ISO10262 Option



Standard Boom/Arm/Bucket Cylinder Guard

We have added new cylinder guards to the boom, arm, and bucket of our excavator to provide increased protection for the hydraulic cylinders. These guards effectively shield the cylinders from damage caused by debris and other external factors, reducing the risk of downtime and costly repairs.



Improved Attachment Durability

Our upgraded attachments are designed to withstand the toughest work environments, featuring reinforced steel components and advanced welding techniques to ensure maximum strength and longevity.

Optimized Hydarulic Hose Layout

HX-A Mini excavators now feature an optimized hydraulic hose layout, providing improved maintenance accessibility and efficiency.



Digital Cluster

New 5 inch LCD cluster of HX35AZ allow you you easily control excavator setting - like Aux. flow rate adustment. Our digital cluster also offers features for component lifecycle management



Centralized Switch Console

HX35AZ/HX40A/HX48AZ's console features a centralized layout with intuitive switches and controls that allow you to easily and quickly access all critical functions and operations.

Proportional Auxiliary Hydraulic System Option

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work. And this function can be switched with pedal valve in cluster setting menu.

Pattern Change Valve

HX-A mini excavators now feature a pattern change valve conveniently located inside the cabin, allowing for easy accessibility and operation.

Improved Visibility

Experience a whole new level of visibility with our latest cabin design. Our engineers have worked tirelessly to enhance the visibility from the cabin, providing you with a wider and more expansive field of view. The new design allows for better sightlines in all directions, giving you a clear and unobstructed view of your surroundings.



Heating & A/C System (standard with Cabin model)

The HX-A mini excavators comes ready-equipped with an integrated heating & air-conditioning system (only with Cabin model), providing a comfortable working environment inside the cabin at all climates.

Auto-Shift Travel Speed

The auto shift travel speed feature on our excavator allows for seamless transitioning between high and low travel speeds, improving overall efficiency and productivity on the job site. This automated feature allows the operator to focus on the task at hand while the machine takes care of speed adjustments.



EASY CONTROL AND COMFORTABLE OPERATION

Introducing our new Spacious & Comfortable Cabin The cabin has been designed with operator comfort and convenience in mind, with optimized ergonomics and advanced features that allow you to work with greater ease and efficiency. With its spacious interior and high-visibility design, our new cabin offers an unparalleled level of comfort and safety, ensuring that you can work for extended periods without fatigue or discomfort.

//
HX35AZ with advanced
technology ensures our
safety on a construction
site. //

Safety Belt Warning Alarm

HX-A mini excavators now feature a safety belt warning alarm to ensure that the operator is properly secured before starting the engine.

Emergency Engine Stop Switch

With just a push of a button, the engine will immediately shut off, ensuring the safety of the operator and those around the machine.

Travel Alarm

The alarm emits a loud and distinct sound to notify nearby workers and pedestrians, reducing the risk of accidents and ensuring compliance with industry safety regulations.

LED Work lamp & Beacon lamp Option

HX-A mini excavators are equipped with powerful LED worklights & beacon lamp that provide excellent visibility in low-light conditions, ensuring safe and efficient operation at any time of day or night.

Boom and Arm, Dozer Safety Valves Option

The mini excavator is equipped with safety valves on both the boom and arm, which automatically activate in the event of hydraulic hose damage or loss of pressure to prevent sudden drops.

Anti-theft System

The system includes a password-protected ignition key to prevent the engine from starting without the correct key.



THE ULTIMATE SAFE ENVIRONMENT

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





EASY SERVICEABILITY

Creating a smart construction site with advanced technology.
Maximizes productivity and safety for successful business.

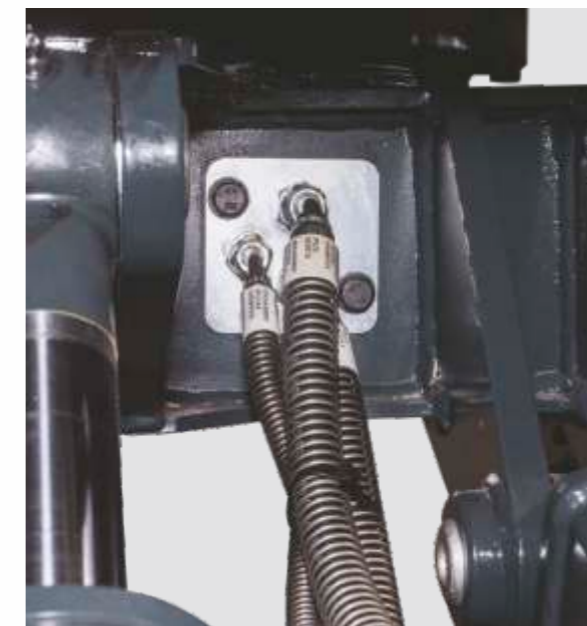


* Photo may include optional equipment.



Fully Accessible MCV & Engine

The cowl, which is a full open type, allows for easy access to both the MCV and engine. In addition, the layout of the MCV and engine has been optimized for better serviceability.



2-Piece Dozer Hose

HX-A mini excavator dozer is designed with a hydraulic hose that is a 2-piece type, providing easy and convenient maintenance. This design allows for easy replacement of individual hoses in case of damage, reducing maintenance time and costs.



Standard Tilting Cabin

Our excavators are equipped with a tilting cabin, allowing for easy access to components like the swing motors. This innovative design improves serviceability and reduces down time, as maintenance tasks can be completed quickly and efficiently.



reddot winner 2022



THREE MINI EXCAVATORS MADE BY HD HYUNDAI CONSTRUCTION EQUIPMENT WIN THE MAIN PRIZE AT THE RED DOT DESIGN AWARDS HELD IN GERMANY

HD Hyundai Construction Equipment was awarded the main prize at the Red Dot Design Award 2022, the Oscars of the design industry.

HD Hyundai Construction Equipment announced that at this year's Red Dot Design Award, it had received the 'Winner' prize in the product design category for three models in its next-generation mini excavators series (HX35Az, HX40A, HX48Az).

Red Dot Design Award is a prize competition organized by Design Zentrum Nordrhein Westfalen of Germany. Along with the iF Design Awards of Germany, and IDEA of the U.S., this event is considered to be one of the top 3 design awards in the world.

A design depicting 'tiger eyes' that uses the dynamic and powerful image of a tiger as its motif was adopted for the mini excavators that won the award at the event. The vehicles were praised for their eco-friendly features and convenience of operability.

Hyundai Construction Equipment developed the mini excavators to meet the 'StageV' standard on gas emissions. Thus, the company minimizes the release of environmentally hazardous materials during the painting stage of the manufacturing process by expanding the use of single hue graphics. Also, through the ergonomic placement of the seats and air conditioning, the fatigue felt by the operator was diminished, while the performance efficiency is improved with the adoption of a full glass door in the cabin design.

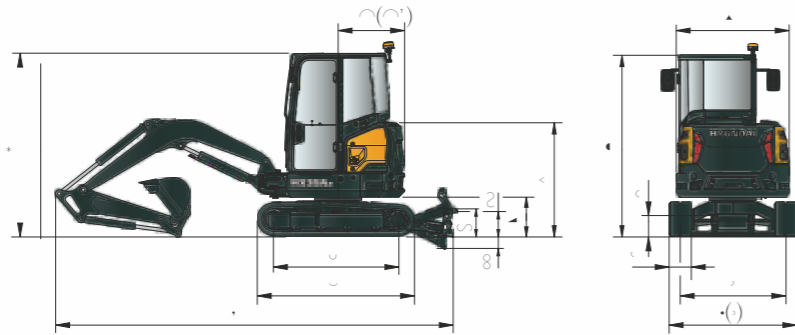
SPECIFICATIONS

SPECIFICATIONS		
Maker / Model		HX35AZ
Operating weight	kg(lbs)	3880(8550)
ENGINE		
Manufacturer		Kubota
Model		D1703
Type		Vertical, water cooled 4-cycle DI diesel engine
Emission standard		Tier 4 Final / Stage V
Gross	PS(kW)/rpm	25.2(18.5)
Net	PS(kW)/rpm	24.2(17.8)
Peak torque	N·m(lb·ft)	97.4(72.0)
No. of cylinder		3
Bore x Stroke	mm(in.)	87.0(3.43") x 92.4(3.64")
Displacement	cc(in ³)	1647(101.0)
HYDRAULIC SYSTEM		
Pump type		Variable displacement tandem axis piston pumps
Max. pressure	kgf/cm ² (psi)	230(3,280)
Max. flow rate	l(gal)/min	2 x 37.4(9.7) + 23.1(6.1)
Aux. flow rate (2way)	l(gal)/min	60.5(16.0)
Aux. flow rate (4way)	l(gal)/min	60.5(16.0)
Fuel tank capacity	l(gal)	46.8(12.4)
Hydraulic capacity (tank/system)	l(gal)	36(9.5) / 63(16.6)
Bucket digging force (ISO)	kgf(lbf)	3,281(7,232)
Arm digging force (ISO)	kgf(lbf)	2,025(4,465)
Travel speed (high/low)	km(mile)/h	2.6(1.6)/4.4(2.7)
Traction force	kg(lb)	3039(6700)
Swing speed	rpm	9.4
Boom length	mm(ft.)	2,400(7' 10")
Arm length	mm(ft.)	1,300(4'3") / 1,600(5' 3")
Bucket capacity, std. SAE	m ³ (yd ³)	0.11(0.14)
Bucket width (with/with - out sidecutter)	mm(in.)	500(19.7") / 610(24.0")
Boom swing angle		75/50
Rubber track width	mm(ft.)	300(1'0")
Ground pressure	kgf/cm ² (psi)	0.36(5.09)
Noise level		
LpA / LwA (2000/14/EC)	dB	71.5 / 93

* All equipment dimension is based on cabin, standard boom/arm and counterweight.

WORKING RANGE & DIMENSION

HX35AZ/HX40A/HX48AZ



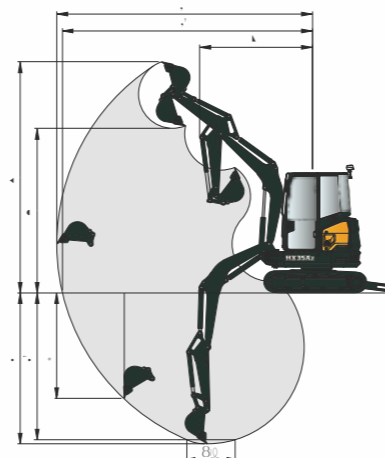
Unit : mm (ft in)

DIMENSIONS		HX35AZ
	Operating weight	3,880(8,550)
A	Overall length	4,783(15'8")
B	Overall width	1,740(5'9")
C	Overall height	2,505(8'3")
D	Overall width of upper structure	1,540(5'1")
E	Overall height of cab	2,505(8'3")
F	Ground clearance of counter weight	525(1'9")
G	Overall height of engine hood	1,545(5'1")
H	Minimum ground clearance	167(0'7")
I	Rear- end distance	900(2'11")
I'	Rear- end swing radius	900(2'11")
J	Distance between tumblers	1,690(5'7")
K	Undercarriage length (without grouser)	2,128(7'0")
L	Undercarriage width	1,740(5'9")
M	Track gauge	1,440(4'9")
N	Track shoe width, standard	300(1'0")
O	Height of blade	371(1'3")
P	Ground clearance of blade up	383(1'3")
Q	Depth of blade down	447(1'6")

* All equipment dimension is based on cabin, standard boom/arm and counterweight.

WORKING RANGE		HX35AZ
A	Max digging reach	5,290(17'4")
A'	Max digging reach on ground	5,170(17'0")
B	Max digging depth	2,980(9'9")
B'	Max digging depth (8ft level)	2,500(8'2")
C	Max vertical wall digging depth	2,250(7'5")
D	Max digging height	4,820(15'10")
E	Max dumping height	3,415(11'2")
F	Min swing radius	2,350(7'9")

* All equipment dimension is based on cabin, standard boom/arm and counterweight.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX35AZ

2.4m (7'10") boom, 1.6m (5'3") arm, 0.11m³ (0.14yd³) SAE heaped bucket, 300mm steel track, dozer down position, additional counterweight

Lift-point height (m/ft)	Lift-point radius								At max. reach			
	1.0m (3.3ft)		2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		Capacity	Reach		
4.0m 13.1ft	kg lb								*680 *1,500	*680 *1,500	3.53 (11.6)	
3.5m 11.5ft	kg lb						*660 *1,460	590 1300	*660 *14,60	580 1,280	4.02 (13.2)	
3.0m 9.8ft	kg lb						*630 *1,390	590 1300	*650 *1,430	500 1,100	4.37 (14.3)	
2.5m 8.2ft	kg lb						*650 *1,430	590 1300	*650 *1,430	450 990	4.62 (15.1)	
2.0m 6.6ft	kg lb					*800 *1,760	*800 *1,760	*700 *1,540	580 1280	580 930	4.78 (15.7)	
1.5m 4.9ft	kg lb					*990 *2,180	900 1980	*760 *1,680	560 1230	400 880	4.88 (16.0)	
1.0m 3.3ft	kg lb					*1,170 *2,580	870 1920	*820 *1,810	550 1210	390 860	4.91 (16.1)	
0.5m 1.6ft	kg lb					*1,320 *2,910	840 1850	*870 *1,920	540 1190	390 860	4.87 (16.0)	
0.0m 0.0ft	kg lb			*1,320 *2,910	*1,320 *2,910	*1,400 *3,090	820 1810	*900 *1,980	530 1170	*690 *1,520	400 880	4.77 (15.7)
-0.5m -1.6ft	kg lb	*1,080 *2,380	*1,080 *2,380	*1,170 *2,610	1,560 3,440	*1,410 *3,110	810 1,790	*900 *1,980	520 1,150	*700 *1,540	420 930	4.60 (15.1)
-1.0m -3.3ft	kg lb	*1,440 *3,170	*1,440 *3,170	*2,210 *4,870	1,570 3,460	*1,350 *2,980	800 1,760	*850 *1,870	520 1,150	*710 *1,570	460 1,010	4.35 (14.3)
-1.5m -4.9ft	kg lb	*1,840 *4,060	*1,840 *4,060	*2,160 *4,760	1,580 3,480	*1,210 *2,670	810 1,790	*870 *1,920	520 1,150	*710 *1,570	460 1,010	4.35 (14.3)
-2.0m -6.6ft	kg lb	*2,300 *5,070	*2,300 *5,070	*1,670 *3,680	1,600 3,530	*950 *2,090	820 1,810			*690 *1,520	*650 *1,430	3.49 (11.5)
-2.5m -8.2ft	kg lb			*920 *2,030	*920 *2,030					*580 *1,280	*580 *1,280	2.73 (9.0)

HX35AZ

2.4m (7'10") boom, 1.3m (4'3") arm equipped with 300mm (1') rubber track, dozer down position.

Lift-point height (m/ft)	Lift-point radius						At max. reach			
	2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		Capacity	Reach		
4.0m 13.1ft	kg lb						*800 *1,760	*800 *1,760	3.06 (10.0)	
3.5m 11.5ft	kg lb						*750 *1,650	610 1,340	3.63 (11.9)	
3.0m 9.8ft	kg lb					*730 *1,610	510 1,120	*730 *1,610	500 1,100	4.03 (13.2)
2.5m 8.2ft	kg lb					*740 *1,630	510 1,120	*730 *1,610	440 970	4.30 (14.1)
2.0m 6.6ft	kg lb			*950 *2,090	810 1,790	*770 *1,700	500 1,100	*730 *1,610	410 900	4.48 (14.7)
1.5m 4.9ft	kg lb			*1,120 *2,470	780 1,720	*820 *1,810	490 1,080	*740 *1,630	390 860	4.58 (15.0)
1.0m 3.3ft	kg lb			*1,280 *2,820	750 1,650	*870 *1,920	480 1,060	*750 *1,650	380 840	4.62 (15.1)
0.5m 1.6ft	kg lb			*1,400 *3,090	730 1,610	*910 *2,010	470 1,040	*760 *1,680	380 840	4.58 (15.0)
0.0m 0.0ft	kg lb			*1,430 *3,150	710 1,570	*920 *2,030	460 1,010	*770 *1,700	390 860	4.47 (14.7)
-0.5m -1.6ft	kg lb	*1,350 *2,980	*1,350 *2,980	*1,400 *3,090	710 1,570	*890 *1,960	460 1,010	*780 *1,720	410 900	4.28 (14.1)
-1.0m -3.3ft	kg lb	*1,910 *4,210	1,390 3,060	*1,400 *3,090	710 1,570	*890 *1,960	460 1,010	*780 *1,720	410 900	4.28 (14.1)
-1.5m -4.9ft	kg lb	*2,250 *4,960	1,400 3,090	*1,250 *2,840	710 1,570	*780 *1,720	460 1,010	*780 *1,720	460 1,010	4.01 (13.1)
-2.0m -6.6ft	kg lb	*2,250 *4,960	1,400 3,090	*1,250 *2,840	710 1,570	*780 *1,720	460 1,010	*780 *1,720	460 1,010	4.01 (13.1)
-2.5m -8.2ft	kg lb	*1,840 *4,060	1,410 3,110	*1,050 *2,400	720 1,590			*770 *1,700	540 1,190	3.60 (11.8)
-3.0m -9.8ft	kg lb	*1,240 *2,730	*1,240 *2,730	*710 *1,570	*710 *1,570			*700 *1,540	*700 *1,540	3.01 (9.9)

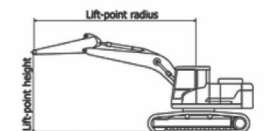
| 1 | Lifting capacity are based on ISO 10567.

| 2 | Lifting capacity of HX 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.

Unit : mm (ft in)



● : Standard / ○ : Option

ENGINE

Model	HX 35AZ
Mechanical controlled Kubota engine	●
Electrical controlled Yanmar engine	
Double-element air filter	●
Auto ideling system	●
Water seperator with filter	●
Electric fuel filler pump	

HYDRAULIC SYSTEM

Open center hydraulic system	●
Load-sensing hydraulic system	
Two-speed travel with auto-shift	●
Floating dozer blade	●
Angle dozer blade	○
Pressure accumulator	●
Proportional Aux. control	○
1 way Aux. hydraulic line for breaker	●
2 way Aux. hydraulic line for grapple	○
4 way Aux. hydraulic line for rotating	○
Divert valve for 2 way hydraulic	○
Adjustable Aux. flow on cluster	●

CABIN

ROPS (Roll-over Protective structure, ISO3471)	●
OPS (Operator Protective Guard) Level 1	●
FOG Guard	○
Adjustable Mechanical Suspension Seat	●
Retractable seatbelt with warning alarm	●
Heating & Air Conditioning	●
Travel levers with foot pedals	●
Emergency hammer for exit	●
Power-assisted front window	●
Rear view camera	
Travel alarm	●
LED beacon lamp	○
5" Digital cluster with IP68 water & dust proof	●
Radio with USB	●
12V power socket	●
Side & Rear Mirrors	●
Cup holder	●
Pattern change valve inside cabin	●
Horn	●

CANOPY

ROPS (Roll-over Protective structure, ISO3471)	●
OPS (Operator Protective Guard) Level 1	○
Adjustable Mechanical Suspension Seat	●
Retractable seatbelt with warning alarm	●
Travel levers with foot pedals	●
5" Digital cluster with IP68 water & dust proof	●
12V power socket	●
Side Mirror	●
Cup holder	●
Horn	●

WORKING EQUIPMENT

Model	HX 35AZ
Zero-tail	●
Boom swing function	●
Arm with thumb bracket	○
Long arm option	○
Hyundai quick coupler	○
Quick coupler piping	○
Additional counter weight option	○
Safety valves for Boom/Arm/Dozer	○
Overload warning alarm	○
Travel & Swing motor with discs brake	●
1 LED work light on boom	●
2 LED work lights on cabin	○

UNDERCARRIAGE

Rubber track	○
Steel track	●
Interchagability bewteen rubber and steel track	●

* 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.