

STANDARD/OPTIONAL EQUIPMENT

ENGINE	STD	OPT
Hyundai DM02V	•	
HYDRAULIC SYSTEM		
2 Power mode	•	
Engine auto idle	•	
CABIN & INTERIOR		
Radio & USB	•	
Standard key	•	
Smart key + Start button		•
Proportional joysticks	•	
Adjustable heatable seat (fabric)	•	
Adjustable heatable seat (pvc)		•
CABIN FOG		
FOG protection (top)		•
FOG protection (front+top)		•
SAFETY		
Boom LED light		•
Cabin LED lamp		•
Beacon LED lamp		•
Boom safety valve		•
Arm safety valve		•
Rear view camera		•
Travel alarm	•	
ATTACHMENT		
BOOMS		
3.00m, 9'10" Mono	•	
ARM		
1.60m, 5'3"	•	
1.90m, 6'3"		•
QUICK COUPLER		
Quick coupler (Push+Hook)		•
Quick coupler (Slide+Hook)		•

OTHERS	STD	OPT
Rotating piping		•
Quick coupler piping		•
Fuel filler pump		•
Hi Mate		•
Pattern change valve		•
COUNTERWEIGHT		
235kg CWT	•	
335kg CWT		•
435kg CWT		•
UNDERCARRIAGE		
Rubber track 400 mm	•	
Track 380mm (Steel)		•
Track 450mm (Steel)		•
Track 400mm + Rubber pads		•

* Standard and optional equipment may vary.
Contact your HD 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.



HX65A

With EU Stage V Engine Installed



Head Office(Sales Office)
11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

Max Power
48.5 kW (65.9 hp) at 2400 rpm

Bucket Capacity
0.18 m³

Operating Weight
6080 kg



PRODUCTIVITY & PERFORMANCE

The highly efficient Stage V Hyundai engine enhances fuel efficiency yet still offers industry-leading performance, along with low noise and vibration. And thanks to its optimised design and counterweight, the HX65A has the best work stability in its class.

Greater efficiency

The new Hyundai engine increases fuel efficiency by 6% compared to the previous model, while having the highest torque in its class. And with a DOC + DPF installed, it doesn't need any extra additives.



The high-powered Stage V Hyundai DM02V engine delivers 65 HP and peak torque of 248 Nm.

A 4-way hydraulic line provides greater versatility for the operator allowing a greater use of attachments.



Optimal counterweight

Lifting force has been increased massively by installing a heavy counterweight. It also enables the best working stability in its class.

Improved engine cowl air vent

Increasing the vent hole of the engine cowl by 76% has improved engine cooling and durability and reduced noise.

Reinforced bushing application

Durability is enhanced by applying dimple bushing to the boom pin area.

Complete durability

A double layer air cleaner blocks dust from the engine, which optimises the air filter replacement and the engine's durability.

Optimal hydraulic pipeline layout

The hydraulic pipes are placed at the top of the boom to prevent damage when working in narrow trenches.

Seamless performance

By designing everything in-house, HD Hyundai has created the perfect synergy between engine and machine, with reduced noise and vibration enhancing operator comfort.

Built for tough working

The HX65A is designed to withstand harsh treatment, increased thickness lower frame, wet track link, full track guards give maximum protection and durability.

Dozer, boom and engine hood guarding give extra protection.

Powerful driving motor

Powerful track motors provide unrivaled performance and traction.

COMFORT & EASE OF USE

In the new HX65A, comfort and efficiency go hand in hand. The standard proportional joysticks improve operating while the new 7-inch cluster makes diagnosing your machine as easy as possible. More space, better visibility and enhanced features make sure the operator enjoys a comfortable working environment.

Intelligent & wide cluster

The new layout increases the operator's comfort and productivity thanks to an increase in space, better visibility and new tools.

✔ New 7-inch touchscreen cluster

The new cluster maximises operator productivity by providing integrated, easy access to all necessary information, from the outside temperature to the power modes and hydraulics settings, on a highly readable screen.



Proportional joysticks **A**

The proportional joysticks as standard will greatly improve the operability of your machine and your attachments.

Smooth operation

A proven, high-quality RCV (Remote Control Valve) lever has been added to improve operating and let you personalise settings such as attachment control.

Bluetooth Radio **B**

Conveniently located radio with hands-free audio functions.

✔ Comfort in all weathers

Standard air conditioning has been improved in the front and rear, while a 3-level, adjustable heated seat ensures maximum comfort.



✔ Push button start

An innovative machine requires convenient modern functions like the button-type ignition key with start & stop function, plus added USB ports.



SAFETY

Hyundai excavators don't just meet the required safety standards, they exceed them. The HX65A includes multiple safety tools as standard like Auto safety locks on boom, arm and dozer blade cylinder, while a rear view camera ensures the safest working environment possible.

Max visibility

Visibility is key while working. That's why the HX65A can be optionally equipped with a rear-view camera.



Rear-view camera for increased



LED lamps

For added safety, LED lamps are used in all the worklights with the boom worklights recessed to help prevent damage when working.

Seat belt warning alarm

If the seat belt is not buckled when the ignition key is turned, an alarm is sounded, along with a continuous visual alert.

Auto Safety Lock

The Auto Safety Lock prevents unintended operation due to the excavator not being controlled solely by the RCV lever.



SERVICEABILITY & TELEMATICS

The HX65A is designed to offer simple daily inspections of all major parts and quick, easy maintenance. All parts are accessible from ground level through extra wide opening cowl doors.

Reinforced Bushings

Dimple bushings on the boom pins reinforce durability and extend the grease-period of the machine.

Added Toolbox

Increased storage space with additional toolbox.

Double air cleaners

Dual air cleaners give increased filtration ensuring maximum engine life and long service intervals.

Optimal placement of filters

Large engine hood and easy ground level access to daily checks and filters.



HiMATE

It's convenient, easy and valuable. Hi MATE, HD Hyundai's remote management system, utilises GPS-satellite technology to provide customers with the highest level of service and product support available.

Increase productivity

By providing information such as service hours, idle time and fuel consumption, Hi MATE saves you money and improves productivity. Service alerts enable better maintenance planning.

Monitor your machines

Hi MATE's real-time location information allows convenient monitoring of your equipment via the Hi MATE website or mobile app.

Improve Security

Protect your equipment from theft or unauthorised usage. Hi MATE's geofencing alerts notify you automatically when a machine leaves a predetermined zone.

Mobile fleet app

Our new mobile app provides all the information you need to run your equipment more efficiently and economically. It has been optimised for fleet management, providing health insights based on telematic technology to keep your machines working at maximum performance.



Keeping you covered

HD Hyundai Genuine Parts and accessories are designed to keep your machine running at optimum performance, with 24-hour delivery across our dealer network. HD Hyundai Standard and Extended Warranty Programmes provide peace of mind and give you full control over your operating costs.

SPECIFICATIONS

ENGINE

Maker / Model	Hyundai / DM02VB (D24)
Type	4-cycle, turbocharged, intercooled, electronic controlled diesel engine
Gross Power @ 2400 rpm	48.5 kW (65.0 hp)
Net Power @ 2400 rpm	47 kW (63.0 hp)
Max. Power @ 2400 rpm	48.5 kW (65.0 hp)
Peak Torque	248 N·m at 1,600 rpm
Displacement	2,392 cc
Starting Motor	12V x 2.5 kW
Alternator	13.5V-90A

HYDRAULIC SYSTEM

Open Centre hydraulic system with two hydraulic pumps

MAIN PUMP

Type	Variable displacement tandem axial piston pumps
Max. flow	2 x 60.5 l/min at 2,200 rpm

PILOT PUMP

Type	Two gear pumps (pilot + swing, swivel, dozer)
Max. flow	40.3 + 10 l/min at 2,200 rpm

HYDRAULIC MOTORS

Travel	Two fixed displacement axial piston motors
Swing	Fixed displacement axial piston motor

RELIEF VALVE SETTING

Implement circuits	220 kgf/cm ² (3130 psi)
Travel	350 kgf/cm ² (4980 psi)
Swing circuit	230 kgf/cm ² (3280 psi)
Pilot circuit	30 kgf/cm ² (427 psi)

HYDRAULIC CYLINDERS

No. of cylinder bore x stroke	Boom:	1-110 x 715 mm
	Arm:	1-90 x 850 mm
	Bucket :	1-80 x 660 mm
	Boom swing:	1-95 x 527 mm
	Blade:	1-110 x 224 mm

TRAVEL SYSTEM

Drive method	Fully Hydrostatic Type
Drive motor	Two Axial Piston Motors, In-Shoe Design
Reduction System	Planetary Reduction Gear
Max. Drawbar Pull	5,221 kgf
Max. Travel Speed (High / Low)	2.2 / 4.2 km/h
Gradeability	35° (70%)

CONTROLS

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
Traveling and Steering	Two Levers With Pedals
Engine throttle	Electric, Dial Type

SWING SYSTEM

Swing motor	Fixed displacement axial piston motor
Swing reduction	2 - stage planetary
Swing bearing lubrication	Grease-Bathed
Swing brake	Multi wet disc
Swing speed	9.4 rpm

CAPACITIES

	liter
Fuel tank	125
Engine coolant	11
Engine oil	8.6
Swing device	1.5
Final drive	1
Hydraulic system (including tank)	120
Hydraulic tank	70

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

Centre frame	X-Leg type
Track frame	Pentagonal box type
No. of shoes on each side	76
No. of carrier roller	2 x 1
No. of track roller	2 x 5
Rail guard	Option for steel tracks

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 3000 mm boom, 1600mm arm, SAE heaped 0.18 m³ bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipment.

OPERATING WEIGHT

Type	Shoe type	Shoe width	Operating weight	Ground pressure
HX65A	Rubber tracks	400 mm	6080 kg	0.35 kgf/cm ²
	Steel tracks w/ rubber pads	400 mm	6460 kg	0.37 kgf/cm ²
	steel tracks	380 mm	6250 kg	0.38 kgf/cm ²

SOUND LEVEL

Exterior sound level (2000/14/EC - ISO 6395:2008) LWA	99 dB (EU only)
Interior sound level (ISO 6396:2008) LPA	76 dB

AIR CONDITIONING SYSTEM

The air conditioning system contains fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant representing a CO2 equivalent of 0.93 metric tonnes.

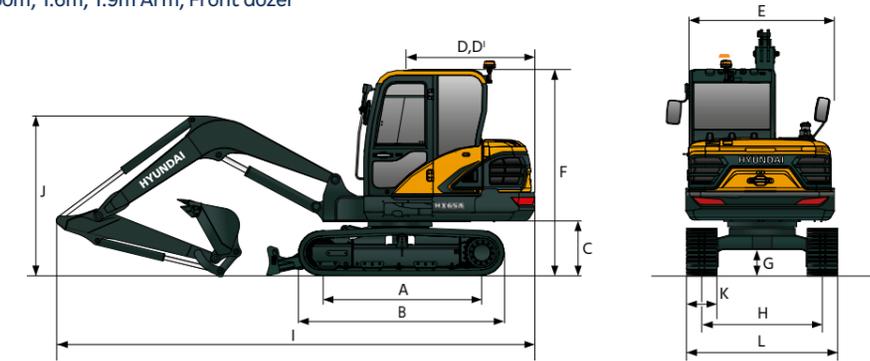
DIGGING FORCE

Boom	Length	mm	3000
Arm	Length	mm	1600 1900
	SAE	kN	37 37
Bucket digging force	SAE	kgf	3763 3763
	ISO	kN	42 42
		kgf	4292 4292
	Arm crowd force	SAE	kN
ISO		kgf	2779 2476
		kN	28 25
kgf		2886 2561	

DIMENSIONS & WORKING RANGE

HX65A MONO BOOM DIMENSIONS

3.0 Mono boom, 1.6m, 1.9m Arm, Front dozer



Unit : mm

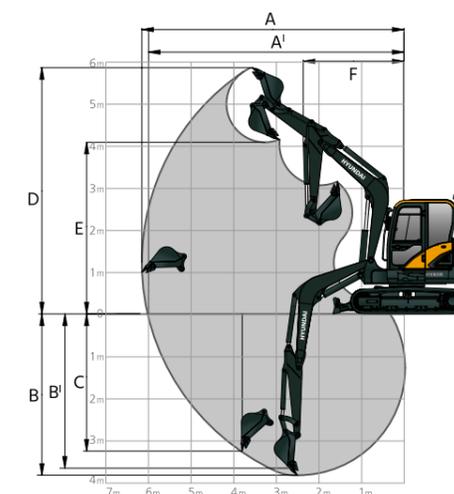
A	Tumbler distance	2010
B	Overall length of crawler	2544
C	Ground clearance of counterweight	687
D	Tail swing radius	1650
D'	Rear-end length	1650
E	Overall width of counterweight	1850
F	Overall height of cab	2595
G	Min. Ground clearance	271
H	Track gauge	1500

Boom length	3000	
Arm length	1600	1900
I Overall length	5970	5995
J Overall height of boom	2075	2265

K Track shoe width	380 (Steel track)	400 (Rubber track)
L Overall width	1880	1900

HX65A WORKING RANGE

Unit : mm



Boom length	3000	
Arm length	1600	1900
A Max. Digging reach	6150	6450
A' Max. Digging reach on ground	6020	6320
B Max. Digging reach depth	3770	4070
B' Max. Digging reach depth (8' level)	3380	3720
C Max. Vertical wall digging depth	3230	3600
D Max. Digging height	5760	5980
E Max. Dumping height	4000	4210
F Min. Swing radius	2375	2410

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX65A

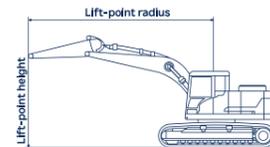
Boom : 3.0 m (9' 10") / Arm : 1.6 m (5' 3") / No Bucket / Counterweight : 285 kg (630 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)	Lift-point radius								At max. reach		
	2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	Reach	
4.0m 13.1 ft	kg			*1,220	*1,220				*1280	1,130	4.26
	lb			*2,690	*2,690				*2820	2,490	(14.0)
3.0m 9.8 ft	kg			*1,270	1,240				*1240	900	4.87
	lb			*2,800	2,730				*2730	1,980	(16.0)
2.0m 6.6 ft	kg		*1,960	1,840	*1,500	1,200	*1,320	850	*1250	800	5.18
	lb		*4,320	4,060	*3,310	2,650	*2,910	1,870	*2760	1,760	(17.0)
1.0m 3.3 ft	kg		*2,600	1,720	*1,760	1,140	*1,410	830	*1330	770	5.24
	lb		*5,730	3,790	*3,880	2,510	*3,110	1,830	*2930	1,700	(17.2)
0.0m 0.0ft	kg		*2,850	1,660	*1,920	1,110	*1,450	810	*1420	800	5.09
	lb		*6,280	3,660	*4,230	2,450	*3,200	1,790	*3130	1,760	(16.7)
-1.0m -3.3 ft	kg	*3,080	*3,080	*2,750	1,650	*1,890	1,100		*1480	890	4.67
	lb	*6,790	*6,790	*6,060	3,640	*4,170	2,430		*3260	1,960	(15.3)
-2.0m -6.6 ft	kg	*3,610	3,260	*2,290	1,670				*1530	1,160	3.90
	lb	*7,960	7,190	*5,050	3,680				*3370	2,560	(12.8)

Boom : 3.0 m (9' 10") / Arm : 1.6 m (5' 3") / No Bucket / Counterweight : 335 kg (740 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)	Lift-point radius								At max. reach		
	2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	Reach	
4.0m 13.1 ft	kg			*1,220	*1,220				*1,280	1,150	4.26
	lb			*2,690	*2,690				*2,820	2,540	(14.0)
3.0m 9.8 ft	kg			*1,270	1,270				*1,240	920	4.87
	lb			*2,800	2,800				*2,730	2,030	(16.0)
2.0m 6.6 ft	kg		*1,960	1,880	*1,500	1,220	*1,320	870	*1,250	820	5.18
	lb		*4,320	4,140	*3,310	2,690	*2,910	1,920	*2,760	1,810	(17.0)
1.0m 3.3 ft	kg		*2,600	1,760	*1,760	1,170	*1,410	850	*1,330	790	5.24
	lb		*5,730	3,880	*3,880	2,580	*3,110	1,870	*2,930	1,740	(17.2)
0.0m 0.0ft	kg		*2,850	1,700	*1,920	1,130	*1,450	840	*1,420	820	5.09
	lb		*6,280	3,750	*4,230	2,490	*3,200	1,850	*3,130	1,810	(16.7)
-1.0m -3.3 ft	kg	*3,080	*3,080	*2,750	1,690	*1,890	1,120		*1,480	910	4.67
	lb	*6,790	*6,790	*6,060	3,730	*4,170	2,470		*3,260	2,010	(15.3)
-2.0m -6.6 ft	kg	*3,610	3,340	*2,290	1,710				*1,530	1,190	3.90
	lb	*7,960	7,360	*5,050	3,770				*3,370	2,620	(12.8)

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



Rating over-front Rating over-side or 360 degree

HX65A

Boom : 3.0 m (9' 10") / Arm : 1.9 m (6' 3") / No Bucket / Counterweight : 335 kg (740 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)	Lift-point radius										At max. reach			
	1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	Reach		
5.0m 16.4 ft	kg										*1,200	*1,200	3.64	
	lb										*2,650	*2,650	(11.9)	
4.0m 13.1 ft	kg						*1,060	*1,060			*1,080	1,020	4.63	
	lb						*2,340	*2,340			*2,380	2,250	(15.2)	
3.0m 9.8 ft	kg						*1,140	*1,140	*1,160	900	*1,020	840	5.19	
	lb						*2,510	*2,510	*2,560	1,980	*2,250	1,850	(17.0)	
2.0m 6.6 ft	kg					*1,730	*1,730	*1,380	1,240	*1,240	880	*1,020	760	5.47
	lb					*3,810	*3,810	*3,040	2,730	*2,730	1,940	*2,250	1,680	(18.0)
1.0m 3.3 ft	kg					*2,430	1,790	*1,680	1,180	*1,360	860	*1,080	730	5.54
	lb					*5,360	3,950	*3,700	2,600	*3,000	1,900	*2,380	1,610	(18.2)
0.0m 0.0ft	kg					*1,480	*1,480	*2,810	1,710	*1,880	1,140	*1,440	840	5.39
	lb					*3,260	*3,260	*6,190	3,770	*4,140	2,510	*3,170	1,850	(17.7)
-1.0m -3.3 ft	kg	*1,920	*1,920	*2,710	*2,710	*2,820	1,680	*1,920	1,120	*1,380	830	*1,380	830	5.01
	lb	*4,230	*4,230	*5,970	*5,970	*6,220	3,700	*4,230	2,470	*3,040	1,830	*3,040	1,830	(16.4)
-2.0m -6.6 ft	kg	*3,140	*3,140	*4,070	3,310	*2,480	1,700	*1,670	1,130			*1,440	1,030	4.31
	lb	*6,920	*6,920	*8,970	7,300	*5,470	3,750	*3,680	2,490			*3,170	2,270	(14.1)
-3.0m -9.8 ft	kg			*2,450	*2,450	*1,430	*1,430					*1,400	*1,400	3.02
	lb			*5,400	*5,400	*3,150	*3,150					*3,090	*3,090	(9.9)

Boom : 3.0 m (9' 10") / Arm : 1.9 m (6' 3") / No Bucket / Counterweight : 435 kg (960 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)	Lift-point radius										At max. reach			
	1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	Reach		
5.0m 16.4 ft	kg										*1,200	*1,200	3.64	
	lb										*2,650	*2,650	(11.9)	
4.0m 13.1 ft	kg							*1,060	*1,060			*1,080	1,070	4.63
	lb							*2,340	*2,340			*2,380	2,360	(15.2)
3.0m 9.8 ft	kg							*1,140	*1,140	*1,160	940	*1,020	880	5.19
	lb							*2,510	*2,510	*2,560	2,070	*2,250	1,940	(17.0)
2.0m 6.6 ft	kg							*1,730	*1,730	*1,380	1,300	*1,020	800	5.47
	lb							*3,810	*3,810	*3,040	2,870	*2,250	1,760	(18.0)
1.0m 3.3 ft	kg							*2,430	1,870	*1,680	1,240	*1,360	900	5.54
	lb							*5,360	4,120	*3,700	2,730	*3,000	1,980	(18.2)
0.0m 0.0ft	kg							*1,480	*1,480	*2,810	1,790	*1,880	1,200	5.39
	lb							*3,260	*3,260	*6,190	3,950	*4,140	2,650	(17.7)
-1.0m -3.3 ft	kg	*1,920	*1,920	*2,710	*2,710	*2,820	1,770	*1,920	1,180	*1,380	870	*1,380	870	5.01
	lb	*4,230	*4,230	*5,970	*5,970	*6,220	3,900	*4,230	2,600	*3,040	1,920	*3,040	1,920	(16.4)
-2.0m -6.6 ft	kg	*3,140	*3,140	*4,070	3,460	*2,480	1,780	*1,670	1,190			*1,440	1,080	4.31
	lb	*6,920	*6,920	*8,970	7,630	*5,470	3,920	*3,680	2,620			*3,170	2,380	(14.1)
-3.0m -9.8 ft	kg			*2,450	*2,450	*1,430	*1,430					*1,400	*1,400	3.02
	lb			*5,400	*5,400	*3,150	*3,150					*3,090	*3,090	(9.9)

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

