HW65A WHEELED EXCAVATOR



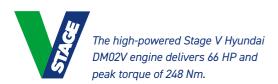


PRODUCTIVITY & PERFORMANCE

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 HW65A 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.







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



■ Built for tough working

The HW65A is designed to withstand harsh treatment, dozer, boom and engine hood guarding give extra protection.

▶ Double tyre option

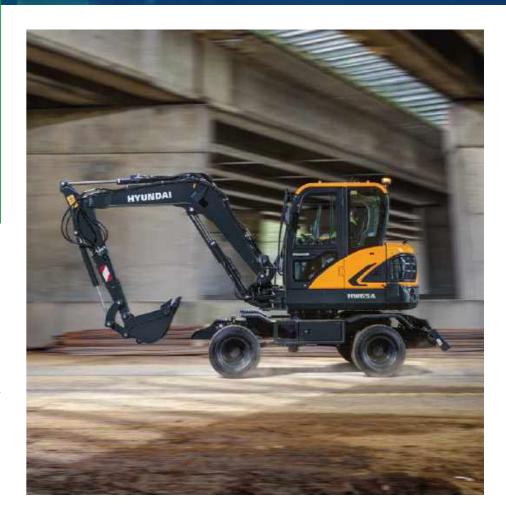
The HW65A has a double tyre option that gives the machine greater stability. And with a maximum width of 2,100mm, the double tyre option still allows the machine to be transported easily.

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, Hyundai has created the perfect synergy between engine and machine, with reduced noise and vibration enhancing operator comfort.



COMFORT & EASE OF USE

In the new HW65A, 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.

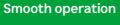
➤ New 7-inch touchscreen cluster

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.









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

Audio and hands free functions are conveniently located.





▼ 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 HW65A 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 HW65A is equipped with a rear-view camera as standard with the option of a side-view camera.



Rear-view camera as standard

▶ 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 HW65A 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.



《 Optimal placement of filters

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

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.

Keeping you covered

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

HIMXTE

It's convenient, easy and valuable. Hi MATE, 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.

ECD (Engine Connected Diagnostics)

ECD provides troubleshooting information as well as tailored servicing. Service technicians are supported with remote diagnostics allowing them to achieve quick resolution rate.

Mobile fleet app

Our Mobile Fleet app provides all the information you need to run your fleet efficiently and economically.

HCE-DT Air allows service technicians to connect to your equipment wirelessly via smartphone and laptop right on site.



HW65A

SPECIFICATIONS

SPECIFICATIONS	HW65A		
ENGINE			
Maker / Model	DM02VB HCE / D24		
Туре	4-cycle, turbocharged, intercooled, electronic controlled diesel engine		
Gross Power @ 2400 rpm	48.5 kW (65.9 hp)		
Net Power @ 2400 rpm	47 kW (63.9 hp)		
Max. Power @ 2400 rpm	48.5 kW (65.9 hp)		
Peak Torque	248 Nm		
Displacement	2,392ℓ		
Starting Motor	12V x 2.5 kW		
Alternator	13.5V-90A		

HYDRAULIC SYSTEM			
Open Centre hydraulic system with two hydraulic pumps			
MAIN PUMP			
Туре	Variable displacement tandem axial piston pumps		
Max. flow 2 x 60 l/min			
PILOT PUMP			
Туре	Two gear pumps (pilot + swing, swivel, dozer)		
Max. flow	38.9 + 9.5 l/min		

HYDRAULIC MOTORS			
Travel	Two fixed displacement axial piston moto		
Swing		Axial piston motor with automatic brake	
RELIEF VALVE SETTING			
Implement circuits	;	220 kgf/cm² (3130 psi)	
Travel		350 kgf/cm² (4980 psi)	
Swing circuit		230 kgf/cm² (3280 psi)	
Pilot circuit		220 kgf/cm² (3130 psi)	
HYDRAULIC CYLINDERS			
	Arm:	1-115 x 1138 mm	
	Bucket:	1-100 x 850 mm	
No. of cylinder bore × stroke Blade:		2-110 x 235 mm	
Bore - Stroke	Outrigger:	2-125 x 463 mm	
Monoboom:		1-105 x 1105 mm	

DRIVES & BRAKES	
Drive method	Two-speed powershift transmission with 4-wheel hydrostatic drive travel motor and parking brake
Max. Drawbar Pull	3042 kgf
Max. Travel Speed (High / Low)	11 km/h - 32 or 20 km/h
Gradeability	30° (58%)
Parking Brake	Multi Wet Disc

CONTROLS			
Pilot pressure operated joysticks, steering wheel and foot pedals for effortless operation.			
Pilot control	Two Joysticks with One Safety Lever (LH): Swing and Arm, (RH): Boom		
Engine throttle	Electric, Dial Type		

AXLE & WHEELS			
4-wheel drive with differential. Full floating front axle supported by center pin for oscillation. Rear axle fixed on the lower chassis. Oscillation lock (ram lock) function for safe operation.			
Single tyres 12.0 x 16.5-12PR			
Twin tyres (standard) 7.00 X 15-16PR			

STEERING SYSTEM			
Hydraulically actuated orbitrol type actuates on front wheels through steering cylinders			
Min. Turning Radius 5450 mm (single/twin tyres)			

SPECIFICATIONS	HW65A		
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	8.3 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		
Rigid, welded frame, transmission and rear differential protection, heavy duty axles for dual tyres.		
Dozer blade		
Width x height:	1925 x 350 mm	
Max. lift height above ground level:	430 mm	
Max. depth below ground level:	154 mm	

OPERATING WEIGHT				
Operating weight, including 3000 mr lubricant, coolant, full fuel tank, full h				
Equipment options	Operating weight			
Std arm (1.60 m)	•	•		
Long arm (1.90 m)			•	•
Std counterweight (210kg)	•	•		
Additional counterweight (330kg)			•	•
Single tyres	•		•	
Dual tyres		•		•
Machine weight (kg)	6065	6355	6195	6485

AIR CONDITIONING SYSTEM

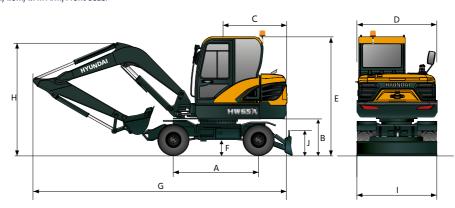
The air conditioning system contains fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant representing a CO_2 equivalent of 0.93 metric tonnes.

HW65A

DIMENSIONS & WORKING RANGE

HW65A MONO BOOM DIMENSIONS

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



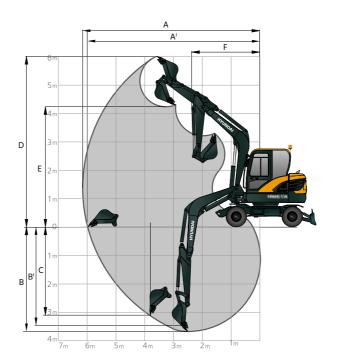
Unit:mm

Α	Wheel base	2100
В	Ground clearance of upper structure	1000
С	Tail swing radius	1680
D	Overall width of upper structure	1925
Е	Overall height of cab	2905
F	Min. Ground clearance	315

	Boom length	30	00				
	Arm length	1600	1900				
G	Overall length	6200	6060				
Н	Overall height of boom	2800	3070				
I	Overall width (double tire)	1925 (2100)					
J	Height of blade	350					

HW65A WORKING RANGE

Unit:m



Во	om length	30	00
Arr	n length	1600	1900
Α	Max. digging reach	6150	6450
ΑI	Max. digging reach (ground)	5950	6250
В	Max. digging depth	3490	3790
В	Max. digging depth (8ft level)	3100	3440
С	Max. vertical wall digging	3950	3320
D	Max. digging height	6045	6260
E	Max. dumping height	4290	4490
F	Min. swing radius	2380	2410

HW65A

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HW65A

3.0 m boom, 1.6 m arm equipped with 210kg counter weight and double tyres

									Lift-poi	nt radius								At max. Reach						
Lift-poi heigh			2.0) m		3.0m					4.0 m				5.0	m		Capacity				Reach		
m	ι									ŀ												m		
Dozer Bl	ade	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up			
5.0m	kg																	*1310	*1310	*1310	*1310	3.48		
4.0m	kg									*1210	*1210	*1210	*1210					*1270	*1270	1190	1050	4.43		
3.0m	kg					*1480	*1480	*1480	*1480	*1320	*1320	*1320	1220					*1230	*1230	990	870	4.95		
2.0m	kg					*2130	*2130	2060	1790	*1560	*1560	1340	1170	*1340	*1340	960	840	*1260	*1260	910	790	5.19		
1.0m	kg					*2670	*2670	1950	1680	*1800	*1800	1290	1130	1400	1400	940	820	1320	1320	890	780	5.19		
0.0m	kg	*1890	*1890	*1890	*1890	*2820	*2820	1900	1640	*1920	*1920	1260	1100					1400	1400	940	820	4.97		
-1.0m	kg	*3690	*3690	*3690	3150	*2640	*2640	1900	1640	*1810	*1810	1260	1090					*1500	*1500	1080	950	4.47		
-2.0m	kg	*3170	*3170	*3170	*3170	*2020	*2020	1940	1680									*1520	*1520	1520	1320	3.56		

3.0 m boom, 1.9 m arm equipped with 330kg counter weight and double tyres

										L	ift-poi	nt radiu	S									At max. Reach					
	Lift-point height		1.0 m			2.0 m				3.0m				4.0 m					5.0	m		Capacity				Reach	
m				=						ŀ				Ę			=				∞)	Ę	}	4			
Dozer Bl	ade	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up		
5.0m	kg																					*1190	*1190	*1190	*1190	3.94	
4.0m	kg													*1060	*1060	*1060	*1060					*1050	*1050	*1050	990	4.78	
3.0m	kg													*1190	*1190	*1190	*1190	*1180	*1180	1040	920	*1010	*1010	960	840	5.26	
2.0m	kg									*1910	*1910	*1910	*1910	*1460	*1460	1420	1250	*1270	*1270	1020	900	*1030	*1030	880	780	5.48	
1.0m	kg									*2540	*2540	2070	1800	*1730	*1730	1370	1200	*1380	*1380	1000	880	*1110	*1110	870	760	5.49	
0.0m	kg					*1830	*1830	*1830	*1830	*2800	*2800	2010	1740	*1900	*1900	1330	1160	*1440	*1440	980	860	*1260	*1260	910	800	5.28	
-1.0m	kg	*2230	*2230	*2230	*2230	*3190	*3190	*3190	*3190	*2730	*2730	2000	1720	*1870	*1870	1320	1150					*1400	*1400	1030	900	4.82	
-2.0m	kg	*3580	*3580	*3580	*3580	*3670	*3670	*3670	3360	*2280	*2280	2020	1750	*1450	*1450	1340	1180					*1440	*1440	1340	1170	4.01	

3.0 m boom, 1.6 m arm equipped with 210kg counter weight and single tyre

			Lift-point radius														At max. Reach					
	Lift-point height m		2.0) m		3.0m					4.0 m				5.0	m			Cap	acity		Reach
"			!				•			ŀ												m
Dozer Bl	lade	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	
5.0m	kg																	*1310	*1310	*1310	*1310	3.51
4.0m	kg									*1210	*1210	*1210	1140					*1270	*1270	1100	950	4.45
3.0m	kg					*1490	*1490	*1490	*1490	*1320	*1320	1290	1110					*1230	*1230	910	790	4.96
2.0m	kg					*2140	*2140	1900	1620	*1570	*1570	1240	1060	*1350	*1350	890	760	*1260	*1260	840	720	5.19
1.0m	kg					*2670	*2670	1790	1510	*1810	*1810	1190	1020	1340	1340	870	740	1270	1270	820	700	5.19
0.0m	kg	*1930	*1930	*1930	*1930	*2820	*2820	1750	1470	1840	1840	1160	990					1340	1340	860	740	4.96
-1.0m	kg	*3740	*3740	3470	2810	*2630	*2630	1750	1470	*1800	*1800	1160	990					*1500	*1500	1000	860	4.46
-2.0m	kg	*3130	*3130	*3130	2880	*2000	*2000	1790	1510									*1520	*1520	1420	1210	3.53

- 1. Lifting capacities are based on ISO 10567.
- 2. 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.
- 3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- 4. (*) indicates load limited by hydraulic capacity.
- 5. Caution: please be aware of the local regulations and instructions for lifting operations.

HW65A

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HW65A

3.0 m boom, 1.9 m arm equipped with 330kg counter weight and single tyre

										L	ift-poi	nt radiu	S									At max. Reach					
	Lift-point height		1.0 m				2.0 m			3.0m				4.0 m				5.0 m				Capacity				Reach	
m m		ŀ		=		ŀ										=										m	
Dozer Bl	ade	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up		
5.0m	kg																					*1180	*1180	*1180	*1180	3.97	
4.0m	kg													*1060	*1060	*1060	*1060					*1050	*1050	1040	900	4.80	
3.0m	kg													*1200	*1200	*1200	1190	*1180	*1180	970	840	*1010	*1010	890	770	5.27	
2.0m	kg									*1930	*1930	*1930	1740	*1460	*1460	1320	1140	*1270	*1270	950	820	*1030	*1030	820	710	5.49	
1.0m	kg									*2550	*2550	1920	1630	*1740	*1740	1270	1090	*1390	*1390	920	790	*1110	*1110	800	690	5.49	
0.0m	kg					*1860	*1860	*1860	*1860	*2810	*2810	1860	1570	*1900	*1900	1230	1050	1390	1390	900	780	*1270	*1270	840	720	5.27	
-1.0m	kg	*2260	*2260	*2260	*2260	*3220	*3220	*3220	2960	*2720	*2720	1840	1560	*1870	*1870	1220	1040					*1400	*1400	950	820	4.81	
-2.0m	kg	*3620	*3620	*3620	*3620	*3640	*3640	*3640	3010	*2260	*2260	1870	1580									*1440	*1440	1250	1070	3.98	

- 2. 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.
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- 4. (*) indicates load limited by hydraulic capacity.
- 5. Caution: please be aware of the local regulations and instructions for lifting operations.

HW65A

STANDARD/OPTIONAL EQUIPMENT

MACHINE EQUIPMENT	STD/OPT		STD/OPT
Arm 1600 mm	•	Adjustable heatable seat (fabric)	•
Arm 1900 mm (long)		Adjustable seat (pvc)	
Arm safety valves	•	Radio & USB	•
Boom 3000 mm	•	Standard Key	
Boom safety valves	•	Smart Key + Start Button	•
Quick coupler Hyundai		Fuel filler pump	
With control linkage	•	Customized painting	
Counterweight 210 kg	•	Boom light (LED)	•
Counterweight 330 kg		Front + Rear LED working light on cabin	•
Rotation piping prop.		Beacon lamp LED	-
Breaker & clamshell piping prop.	•	Rearview camera	
Quick coupler piping		Accumulator	•
Dozer blade safety valve	•	FOG Protection (top)	-
Twin tyres 7.00 X 15-16PR	•	FOG Protection (front + top)	-
Single tyres 12.0 x 16.5-12PR		Hi MATE telematic system	
Travel motor speed 30 km/h	•	Hydr. oil - VG46	•
Travel motor speed 20 km/h		Hydr. oil - tropical region VG68	
Travel alarm	•	Hydr. oil - cold region VG32	
Proportional joysticks	•	Bio degr. oil Panolin VG 46	
		•	Standard Option

^{*} 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.





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Specifications and design are subject to change without notice. Pictures of Hyundai Construction Equipment Europe products may show other than standard equipment.

READY TO CHANGE YOUR WORLD?

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