

WHEELED EXCAVATOR

HW170A CR

Operating weight: 18820 kg
Engine power: 129 kW (173 HP) / 2200 rpm
Bucket capacity: 0.70 m³ - 1.05 m³



Take the tour!

HW170A CR

Productivity & Efficiency

- High-performing Stage V engine with advanced exhaust aftertreatment **NEW**
- Load sensing hydraulic system **NEW**
- Variable Power Control **NEW**
- Hydrostatic 4-wheel drive
- Eco gauge
- Trailer hitch preparation **NEW** **OPTION**
- Electronically controlled reversible fan **NEW**
- Tiltrotator **NEW** **OPTION**
- 2D and 3D grading **NEW** **OPTION**

Comfort

- 3-way adjustable steering column **NEW**
- Largest touchscreen monitor on the market (incl. WiFi)
- Attachment flow control
- Joystick steering **OPTION**
- FNR and Ram Lock Switch on Joystick **NEW**
- Ride control **NEW** **OPTION**
- Cruise control & speed limiter
- Advanced audio system
- Full climate control

Durability

- Reinforced upper and lower frame structure
- Reinforced pins, bushings and polymer shims
- Durable cooling module
- Hi-grade (high-pressure) hoses
- Centralised greasing system **OPTION**

Safety

- Advanced Around View Monitoring (AAVM) camera system **OPTION**
- LED working lights
- ROPS / FOPS certified cabin
- Safety glass
- Wide axle and fenders **OPTION**
- Auto safety lock **NEW**
- Safety valves on all cylinders
- Automatic digging brake **NEW** **OPTION**

Serviceability & Connectivity

- ECD (Engine Connected Diagnostics) **NEW**
- Improved DEF/AdBlue filler access
- Fuel filler pump with auto stop **OPTION**
- Hyundai Hi MATE telematics system
- Mobile Fleet app **OPTION**



Genuine parts and warranties

THE BEST WAY TO PROTECT YOUR INVESTMENT

Hyundai Genuine Parts, accessories and warranty programmes are specially designed to keep your machine covered. They increase uptime and maintain the performance, comfort, and convenience that are built into your equipment.

Fuel filters

Hyundai fuel filters provide the right degree of filtration to keep your engine clean. They are designed to meet and exceed the engine manufacturer's prerequisites for water separation and dirt filtration, prolonging the life of your engine.

Aftermarket kits

You can order Hyundai aftermarket kits via your dealer. This AAVM system for example, improves safety in and around your work environment at all times.

Hyundai Genuine Parts

Hyundai Genuine Parts have the same design as those installed when your machine left the factory. They are subjected to rigorous quality inspections and tests to make sure they meet Hyundai's strict requirements for quality and durability. As well as minimising downtime, this helps to ensure peak performance on every task.



Hyundai warranties

Our warranties are designed to give you the cover you need to build your business with confidence and peace of mind.

Standard warranties

We offer standard warranty coverage for all wheeled excavators. In addition, optional and extended warranty periods are available, so you can benefit from full warranty coverage for longer, and even over the full lifetime of the machine. Please discuss the optimal solution for your needs with your local Hyundai dealer.

Extended warranties

Our extended warranties help you maintain full control over your operating costs. If you combine an extended warranty programme with a tailored maintenance contract, you can completely avoid unexpected costs.



A network you can rely on

Hyundai Construction Equipment Europe prioritises quick, reliable intervention to keep your equipment running reliably. In its 13000 m² warehouse, Hyundai covers over 96% of all Genuine Parts. With one of Europe's most advanced automated warehousing systems, we are able to maintain availability and efficient delivery of all our Genuine Parts. Moreover, we guarantee a 24-hour delivery service across our European dealer network.

SPECIFICATIONS

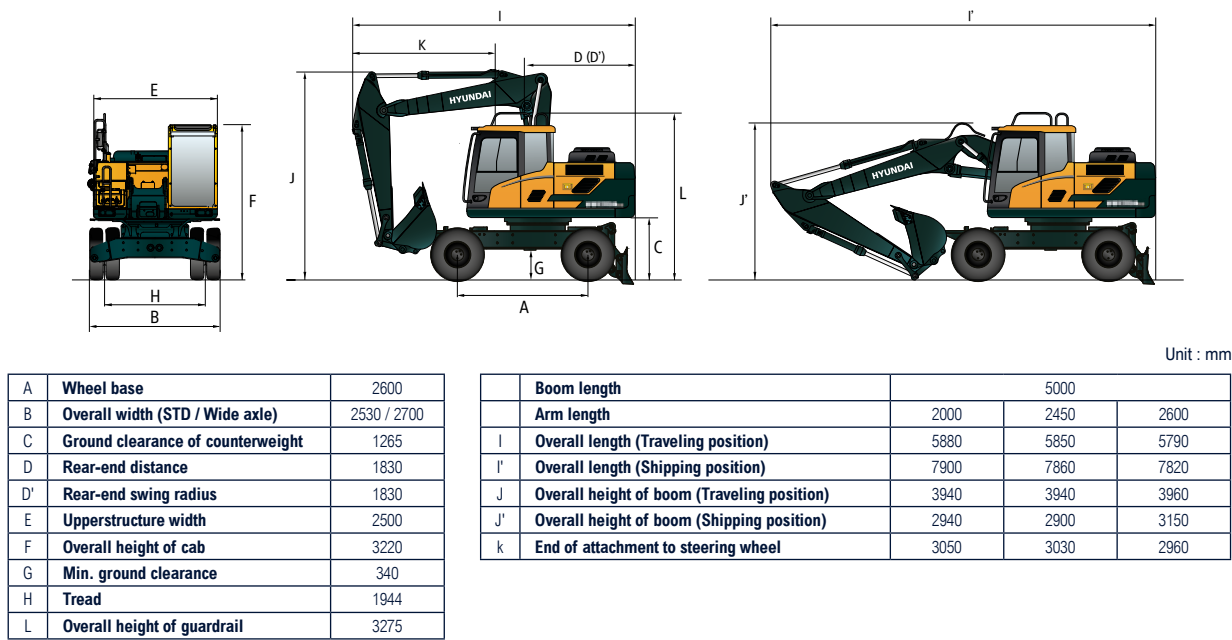
SPECIFICATIONS		HW170A CR
ENGINE		
Maker / Model	CUMMINS / B4.5	
Type	4 cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine.	
Gross Power	129 kW (173 hp) at 2200 rpm	
Net Power	127 kW (170 hp) at 2200 rpm	
Max. Power	129 kW (173 hp) at 2200 rpm	
Peak Torque	780 N m at 1500 rpm	
Displacement	4.5 l	
HYDRAULIC SYSTEM		
Advanced Load Sensing System (LUDV)		
Load independent flow sharing		
MAIN PUMP		
Type	Variable displacement pump	
Max. flow	261 lpm @ 1800 rpm	
AUX PUMP		
Type	Piston pump	
Max. flow	60 lpm	
* Load Sensing - Variable displacement pump : LUDV (load independent flow sharing)		
HYDRAULIC MOTORS		
Travel	Bent - axis piston motor with brake valve and parking brake	
Swing	Radial Piston Motor	
RELIEF VALVE SETTING		
Implement circuits	350 kgf/cm2 (4970 psi)	
Travel	380 kgf/cm2 (5400 psi)	
Power boost (boom, arm, bucket)	380 kgf/cm2 (5400 psi)	
Swing circuit	285 kgf/cm² (4050 psi)	
Pilot circuit	35 kgf/cm2 (500 psi)	
Service valve	Installed	
HYDRAULIC CYLINDERS		
No. of cylinder bore X stroke	Arm: 1-120 x 1235 mm	
	Bucket: 1-105 x 995 mm	
	Blade: 2-110 x 235 mm	
	Outrigger: 2-125 x 463 mm	
	2-PCS boom: 2-110 x 992mm	
	Adjust(boom): 1-160 x 624mm	
* Hyundai Bio Hydraulic Oil (HBHO) available		
DRIVES & BRAKES		
4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.		
Max. drawbar pull	10720 kgf	
Travel speed	1st	1st: 9.5 km/h
	2nd	2nd: 35 km/h or 20 km/h (Option)
Gradeability	35°(70 %)	
Service Brake:		
* Independent dual brake, front and rear axle full hydraulic power brake.		
* Spring released and hydraulic applied wet type multiple disc brake.		
Parking Brake:		
* Spring applied and hydraulic released wet disc brake type in transmission.		
CONTROLS		
Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)	
	FNR switch on RH joystick / Ram lock switch on LH joystick	
Attachment Control	3 modes available: Push / Proportional / Permanent	
Engine throttle	Electric, Dial type	
Operation Mode	3 modes available: P-Parking W-Working T-Travel	

SPECIFICATIONS		HW170A CR
CONTROLS		
Full floating front axle is supported by center pin for oscillation. Oscillation lock (ram lock) function for safe operation. Rear axle is fixed on the lower chassis.		
Tyres	10.00-20-14PR, Dual (tube type)	
(Optional)	10.00-20, Dual (solid type)	
	10.00-20-16PR, Dual (tube type)	
STEERING SYSTEM		
Hydraulically actuated, orbitrol type steering system actuates on front wheels through steering cylinders.		
Min. turning radius	6300 mm	
SWING SYSTEM		
Swing motor	Fixed displacement radial piston motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake	Multi wet disc	
Swing speed	9.3 rpm	
COOLANT & LUBRICANT CAPACITY		
	liter	
Fuel tank	200	
Engine coolant	19,5	
Engine oil	11	
Swing device - gear oil (OPT)	6.2 (5.0)	
Swing device - grease (OPT)	(1,2)	
Axle	Front	15,5
	Rear	17,5
Transmission	2,5	
Hydraulic system (including tank)	187	
Hydraulic tank	103	
DEF/AdBlue®	27	
UNDERCARRIAGE		
Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.		
Dozer blade	Parallelogram-mounted dozer blade to support machine when working, also for leveling and back filling.	
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on front/or rear.	
OPERATING WEIGHT (APPROXIMATE)		
Operating weight, including 5000 mm 2pc boom, 2450 mm arm, SAE heaped 0.70 m³ bucket, lubricant, coolant, full fuel tank, hydraulic tank and standard equipment.		
OPERATING WEIGHT		
Rear dozer blade	18820 kg	
Rear outriggers	19090 kg	
Front outriggers and rear blade	20040 kg	
Front blade and rear outriggers	20040 kg	
Four outriggers	20310 kg	
AIR CONDITIONING SYSTEM		
The air conditioning system contains fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.75 kg of refrigerant representing a CO₂ equivalent of 1.07 metric tonnes.		

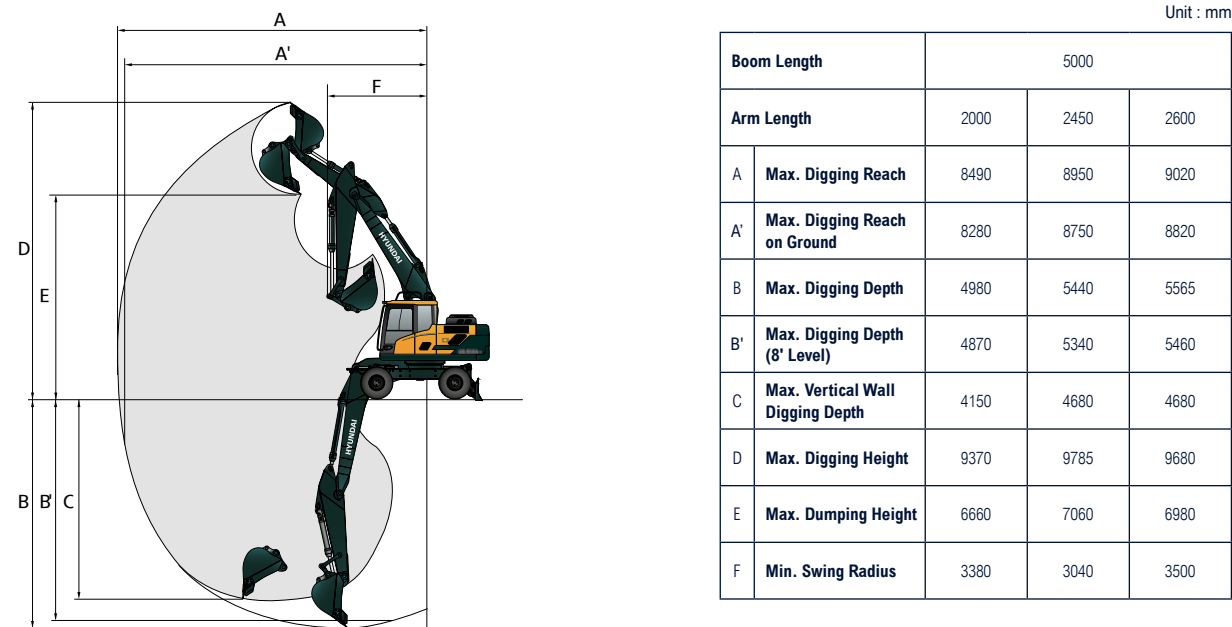
DIMENSIONS & WORKING RANGE

HW170A CR 2-PIECE BOOM DIMENSIONS

5.0 m 2-Piece boom, 2.0 m, 2.45 m, 2.6 m Arm, Rear dozer



HW170A CR 2-PIECE BOOM DIMENSIONS



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HW170A CR 2-PIECE BOOM

5.0 m 2-Piece boom, 2.00 m arm equipped with 4200 kg counterweight, dozer blade down

Lift-point height m		Lift-point radius						At max. Reach		
		3.0 m		4.5 m		6.0 m		Capacity		Reach
										m
7.5 m	kg							*4790	*4790	4.19
6.0 m	kg			*4310	*4310			*4390	3240	5.75
4.5 m	kg			*4930	4680	*4350	3000	4000	2550	6.60
3.0 m	kg			*6070	4350	4560	2880	3570	2250	7.03
1.5 m	kg			6770	4070	4430	2750	3450	2160	7.12
0.0 m	kg			6630	3940	4340	2680	3600	2240	6.87
-1.5 m	kg	*9480	7320	6630	3950	4360	2690	4140	2570	6.24

5.0 m 2-Piece boom, 2.45 m arm equipped with 4200 kg counterweight, dozer blade down

Lift-point height m		Lift-point radius								At max. Reach	
		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
7.5 m	kg			*4020	*4020					*2760	*2760
6.0 m	kg			*3820	*3820	*3550	3070			*2330	*2330
4.5 m	kg			*4470	*4470	*4010	3020			*2180	*2180
3.0 m	kg			*5630	4410	*4480	2880	*2180	2020	*2160	2020
1.5 m	kg			*6770	4080	4420	2740	*2940	1980	*2260	1940
0.0 m	kg			6600	3910	4310	2640			*2490	2010
-1.5 m	kg	*8350	7170	6560	3880	4280	2620			*2960	2250
-3.0 m	kg			*6380	3970						

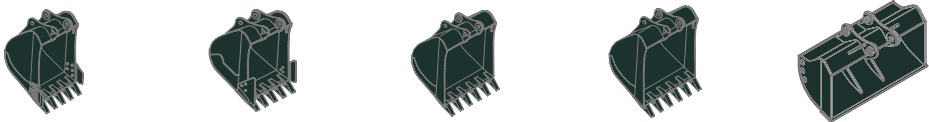
5.0 m 2-Piece boom, 2.6 m arm equipped with 4200 kg counterweight, dozer blade down

Lift-point height m		Lift-point radius								At max. Reach	
		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
7.5 m	kg			*3810	*3810					*2920	*2920
6.0 m	kg			*3660	*3660	*3740	3090			*2510	*2510
4.5 m	kg			*4310	*4310	*3900	3030			*2360	2190
3.0 m	kg			*5480	4430	*4390	2890	*3130	2020	*2360	1960
1.5 m	kg			*6660	4090	4420	2740	3170	1970	*2470	1890
0.0 m	kg			6590	3900	4300	2630			*2730	1940
-1.5 m	kg	*8140	7130	6540	3850	4270	2600			*3240	2170
-3.0 m	kg			*6510	3930						

- Lifting capacities are based on ISO 10567.
- Lifting capacity of the HW 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.
- Caution: please be aware of the local regulations and instructions for lifting operations.

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped m³	0.70	◆ 0.73	0.89	■ 0.69	● 0.75
	0.76	◆ 0.85	1.05		

Capacity m³		Width mm		Weight kg	Tooth EA	Recommendation mm		
						4200 kg CWT		
						5000 2-Piece Boom		
SAE heaped	CECE heaped	Without side cutters	With side cutters			2000 Arm	2450 Arm	2600 Arm
0.70	0.60	1020	1100	600	5	○	■	■
0.76	0.65	1090	1170	620	5	■	▲	▲
0.89	0.77	1250	1325	680	6	▲	▲	✕
1.05	0.90	1430	1510	740	6	✕	✕	✕
■ 0.69	0.62	1050	-	720	5	○	■	▲
● 0.75	0.65	1760	-	540	0	○	■	■
◆ 0.73	0.67	914	946	620	5	○	■	▲
◆ 0.85	0.76	1067	1096	670	5	■	▲	▲

- ◆ General Purpose

■ Heavy Duty

● Rock-HD
- Applicable for materials with density of 2100 kg/m³ or less

○ Applicable for materials with density of 1800 kg/m³ or less

■ Applicable for materials with density of 1500 kg/m³ or less

▲ Applicable for materials with density of 1200 kg/m³ or less

✕ Not Recommended

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
2.0 m, 2.45 m, 2.6 m arms are available.

DIGGING FORCE						
Boom	Length	mm	5000			Remark
Arm	Length	mm	2000	2450	2600	
Bucket digging force	SAE	kN	98 [107]	98 [107]	98 [107]	[] : Power Boost
		kgf	10008 [10920]	9992 [10900]	10026 [10940]	
	ISO	kN	115 [125]	115 [125]	115 [126]	
		kgf	11726 [12790]	11706 [12770]	11746 [12810]	
Arm crowd force	SAE	kN	85 [93]	67 [73]	67 [73]	
		kgf	8648 [9430]	6858 [7480]	6798 [7420]	
	ISO	kN	89 [98]	70 [77]	70 [76]	
		kgf	9118 [9950]	7178 [7830]	7106 [7750]	

STANDARD/OPTIONAL EQUIPMENT

ENGINE	STD
Cummins B 4.5 engine	●

HYDRAULIC SYSTEM	STD
Advanced Load Sensing (LUDV)	
3-power modes, 3-work modes, user mode	●
Boost Function	●
Attachment Flow Control	●
3 attachment control modes (Push/Prop./Permanent)	●
Engine Auto Idling	●
Engine Auto Shutdown	●
Electronic Fan Control (reversible)	●
35 km/h or 20 km/h travel motor	
Hyundai Bio Hydraulic Oil (HBHO)	

CABIN & INTERIOR	STD
ISO Standard cabin	
All-weather steel cab with 360°visibility	●
Parallel type windshield wiper	●
Radio / USB / MP3 player	●
Handsfree mobile phone system with USB	●
12 volt power outlet (24V DC to 12V DC converter)	●
Electric horn	●
Safety glass - Tempered glass with front laminated glass	●
Safety glass windows	●
Sliding fold-in front window	●
Sliding side window (LH)	●
Lockable door	●
Hot & cool box	●
Storage compartment	●
Transparent cabin roof-cover	●
Sun visor	●
Door and cabin locks, one key	●
Smart key & Start button	●
Pilot-operated proportional joysticks	●
Steering wheel with 3-way adjustable steering column	●
Cabin front window rain guard	●

Automatic climate control	
Air conditioner & heater	
Defroster	
Starting Aid (air grid heater) for cold weather	
Centralised monitoring	
8" LCD touchscreen display	●
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 Gauge	●
Fuel level gauge	●
Hyd. oil temperature gauge	●
Warnings	●
Communication error	●
Low battery	●
Clock	●
Seat	
Adjustable air suspension seat with heater	●
Mechanical suspension seat with heater	
Cabin ROPS (ISO 12117-2)	
ROPS (Roll Over Protective Structure)	●
Cabin FOPS/FOG (ISO 10262) Level 2	
FOPS (Falling Object Protective Structure)	●
FOG (Falling Object Guard)	
Front & Top Guard	
Top Guard	

SAFETY	STD
Safety lock valve on boom cylinders with overload warning device	●
Safety lock valve on arm cylinder	●
Safety lock valve on dozer blade and ram lock cylinders	●
Four outside rearview mirrors	●
Rearview camera	●
Rear & Mirror view camera	
AAVM (Advanced Around View Monitoring)	
Four front working lights LED (2 boom mounted, 2 front frame mounted)	●
Rear work lamp LED	●
Beacon lamp LED	
Travel alarm	●
Automatic swing brake	●
Swing Lock System	
Auto-digging brake	
Joystick Steering	
Battery master switch	●
Wheel chock	●

ATTACHMENT	STD
Boom options	
5.0 m, 2-Piece	●
Arm options	
2.00 m	
2.45 m	●
2.60 m	

OTHER	STD
Ride control (boom suspension system)	
Boom floating system	
Cruise control	●
Speed Limiter	●
Creep speed travel mode	●
Heavy counterweight	●
Removable clean-out dust net for cooler	●
Fuel pre-filter	●
Self-diagnostics system	●
Hi MATE (Remote Management System)	Mobile Satellite
Batteries (2 x 12V x 100 AH)	●
Fuel filler pump (35 lpm) with autostop	●
Single-acting piping kit (breaker, etc.)	●
Double-acting piping kit (clamshell, etc.)	●
Rotating piping kit	
Quick coupler piping	
Quick coupler	
Accumulator for lowering work equipment	●
Pattern change valve (2 patterns)	
Fine Swing Control System	
Tool kit	
Lower Frame Toolbox - LH	●
Lower Frame Toolbox - LH, RH	

UNDERCARRIAGE	
Rear dozer blade	●
Rear outriggers	
Front outriggers and rear blade	
Front and rear outriggers	
Front dozer blade	
Front blade and rear outriggers	
Front grapple rest and rear blade	
Front grapple rest and rear outriggers	
Trailer hitch preparation kit for rear dozer blade	
Tires-dual (10.00-20-14PR tube)	●
Tires-dual (10.00-20-16PR tube)	
Tires-dual (10.00-20 solid)	
Fenders (Mudguards)	●
Wide axle 2.7 m	

* 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.



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

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Ready to aim high?

Contact your Hyundai dealer.
hyundai-ce.eu/en/dealer-locator