

Net Power
170 HP (127 kW)
/ 2,200 rpm

Standard Bucket
.85 m³ / 1.11 yd³

Operating Weight
39,350 lbs (17,850 kg)

ENGINE		
Maker / Model	CUMMINS / B4.5	
Type	T4 Final / StageV Compliant, 4 cylinder turbo-charged diesel engine.	
Rated flywheel horse power SAE	J1995 (gross)	129 kW (173 hp) at 2,200 rpm
	J1349 (net)	127 kW (170 hp) at 2,200 rpm
Max. torque	129 kW (173 hp) at 2,200 rpm	
Peak Torque	780 N·m (575 lb.ft) at 1,500 rpm	
Displacement	4.5 l (275 cu in)	
Batteries	2 x 12 V x 100 Ah	
Starting motor	24 V - 4.8 kW	
Alternator	24 V - 95 Amp	

HYDRAULIC SYSTEM		
MAIN PUMP		
Type	Variable Displacement Piston pumps	
Max. Flow	260 l/pm (68.6 gmp) @ 1,800 rpm	
AUXILIARY PRESSURE		
2 Way	Flow (l/min)	13~66 gpm / (50~250 lpm)
	Pressure (bar)	1,450~4,641 psi / (100~320 bar)
Rotating	Flow (l/min)	16 gpm / (60 lpm)
	Pressure (bar)	3,046 psi / (210 bar)
PILOT PUMP		
Type	Fixed displacement gear pump single stage	
Max. Flow	33 l /min (8.7 U.S. gpm)	
HYDRAULIC MOTORS		
Travel	Variable Displacement Bent Axis Piston Motor	
Swing	Fixed Displacement Radial Piston Motor	
RELIEF VALVE SETTING		
Implement Circuits	350 kgf/cm ² (4,978 psi)	
Travel	380 kgf/cm ² (5,400 psi)	
Power Boost (Boom, Arm, Bucket)	380 kgf/cm ² (5,400 psi)	
Swing Circuit	270 kgf/cm ² (3,840 psi)	
Pilot Circuit	40 kgf/cm ² (570 psi)	
Service Valve	Installed	

DRIVES & BRAKES	
4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.	
Max. Drawbar Pull	10,720 kgf (23,636 lbf)
Max. Travel Speed (High / Low)	2.2 mph (3.5 km/hr) / 37 km/hr (24.2 mph)
Gradeability	35°
Parking Brake	Spring applied and hydraulic released wet disc brake type in transmission.

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,000mm (16' 5") Mono boom, 2,591 mm (8' 6") arm, SAE heaped 0.85 m³ (1.11 yd³) bucket, lubricant, coolant, full fuel tank, hydraulic tank and standard equipment.

OPERATING WEIGHT	
Rear outrigger	17,580 kg (38,760 lb)
Front outrigger and rear blade	17,850 kg (39,350 lb)
Front blade and rear outrigger	18,800 kg (41,450 lb)
Four outrigger	18,800 kg (41,450 lb)
Front blade and rear blade	19,070 kg (42,040 lb)

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.3 rpm

COOLANT & LUBRICANT CAPACITY

	US gal	liter
Fuel Tank	52.8	200
Engine Coolant	5.2	19.5
Engine Oil	2.9	11
Swing Device	gear oil (OPT)	1.64 (1.3)
	grease (OPT)	(0.32)
Axle	Front	4.09
	Rear	4.62
Transmission	0.7	2.5
Hydraulic System (Including Tank)	49.4	187
Hydraulic Tank	27.2	103
Def/Adblue®	7.1	27

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress. Dozer blade and outrigger options are available. Easily replaceable through bolt-on design.

Dozer blade	Parallelogram-mounted dozer blade to support machine when working, also for leveling and back filling.
Outriggers	Indicated for max. operation stability when digging and lifting. Can be mounted on front/or rear.

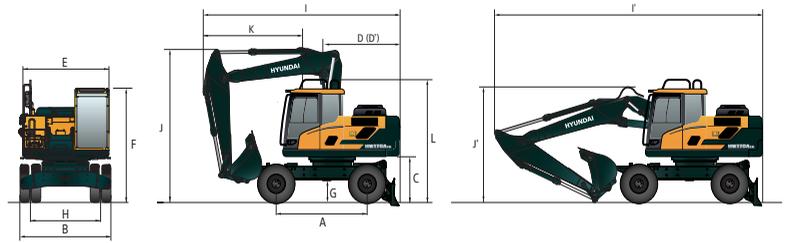
CONTROL

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
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

EU Stage V Engine Installed



HW170A CR 2-PIECE BOOM DIMENSIONS

Unit: ft·in (mm)

5.0 m (16' 5") Mono boom, 2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6"), Rear dozer

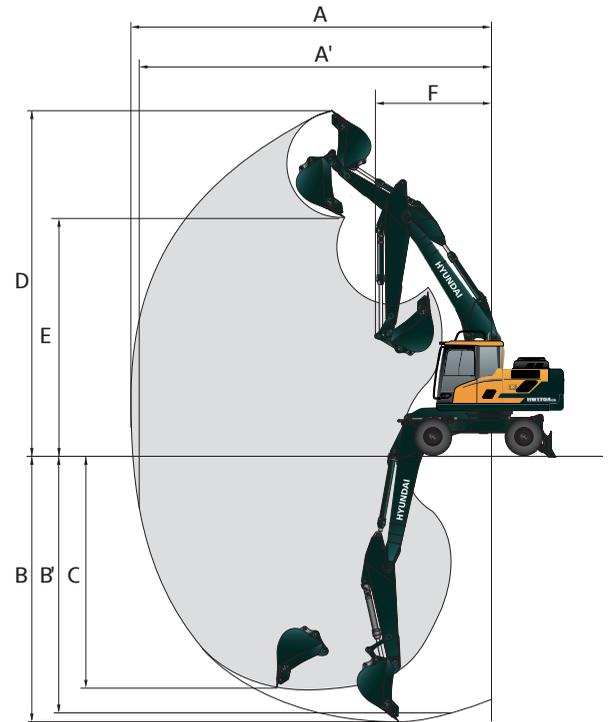
A	Wheel base	2,600 (8' 6")
B	Overall width (STD / Wide axle)	2,530 (8' 4") / 2,700 (8' 10")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	1,830 (6' 0")
D'	Rear-end swing radius	1,830 (6' 0")
E	Upperstructure width	2,500 (8' 6")
F	Overall height of cab	3,220 (10' 7")
G	Min. ground clearance	370 (1' 3")
H	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,275 (10' 9")

	Boom length	5.0 m (16' 5")		
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
I	Overall length (Traveling position)	5,880 (19' 3")	5,850 (19' 2")	5,790 (19' 0")
I'	Overall length (Shipping position)	7,900 (25' 11")	7,860 (25' 9")	7,820 (25' 8")
J	Overall height of boom (Traveling position)	3,940 (12' 11")	3,940 (12' 11")	3,960 (13' 0")
J'	Overall height of boom (Shipping position)	2,940 (9' 8")	2,900 (9' 7")	3,150 (10' 7")
K	End of attachment to steering wheel	3,050 (10' 0")	3,030 (9' 11")	2,960 (9' 9")

HW170A CR 2-PIECE BOOM WORKING RANGE

Unit: ft·in (mm)

	Boom length	5,000 (16' 5")		
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
A	Max. digging reach	8,490 (27' 10")	8,950 (29' 4")	9,020 (29' 7")
A'	Max. digging reach on ground	8,280 (27' 2")	8,750 (28' 8")	8,820 (28' 11")
B	Max. digging depth	4,980 (16' 4")	5,440 (17' 10")	5,565 (18' 3")
B'	Max. digging depth (8' level)	4,870 (16' 0")	5,340 (17' 6")	5,460 (17' 11")
C	Max. vertical wall digging depth	4,150 (13' 7")	4,680 (15' 4")	4,680 (15' 4")
D	Max. digging height	9,370 (30' 9")	9,785 (32' 1")	9,680 (31' 9")
E	Max. dumping height	6,660 (21' 10")	7,060 (23' 2")	6,980 (22' 11")
F	Min. swing radius	3,380 (11' 1")	3,040 (10' 0")	3,500 (11' 6")



ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6") arms are available.

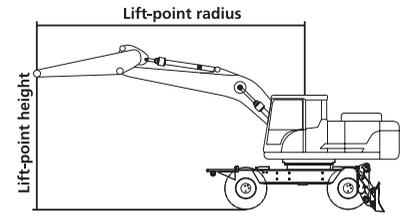
DIGGING FORCE

Boom	Length	mm (ft.in)	5,000 (16' 5")			
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	Remark
Bucket digging force	SAE	kN	98 [107]	98 [107]	98 [107]	[] : Power Boost
		kgf	10,008 [10,920]	9,992 [10,900]	10,026 [10,940]	
		lbf	22,060 [24,070]	22,030 [24,030]	22,100 [24,120]	
	ISO	kN	115 [125]	115 [125]	115 [126]	
		kgf	11,726 [12,790]	11,706 [12,770]	11,746 [12,810]	
		lbf	25,850 [28,200]	25,810 [28,150]	25,900 [28,240]	
Arm crowd force	SAE	kN	85 [93]	67 [73]	67 [73]	
		kgf	8,648 [9,430]	6,858 [7,480]	6,798 [7,420]	
		lbf	19,070 [20,790]	15,120 [16,490]	14,990 [16,360]	
	ISO	kN	89 [98]	70 [77]	70 [76]	
		kgf	9,118 [9,950]	7,178 [7,830]	7,106 [7,750]	
		lbf	20,100 [21,940]	15,830 [17,260]	15,670 [17,090]	

Note : Arm weight includes bucket cylinder, linkage, and pin

SPECIFICATIONS HW170A CR

EU Stage V Engine Installed



Lifting Capacity (Without Dozer)

Capacities based on North American Standard Configuration in accordance with ISO condition 2 standard.

Boom: 5.0 m (16' 5")

Arm: 2.45 m (8' 0")

CWT 9,259 lbs (4,200 kg)

Rating over front

Rating over side or 360 degree

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach m (ft)
7.5 m 24.6 ft	kg lb			*3,750 *8,270	*3,750 *8,270					*3,400 *7,500	*3,400 *7,500	5.18 (17.0)
6.0 m 19.7 ft	kg lb			*3,640 *8,020	*3,640 *8,020	*3,700 *8,160	2,950 6,500			*2,950 *6,500	2,550 5,620	6.49 (21.3)
4.5 m 14.8 ft	kg lb			*4,320 *9,520	*4,320 *9,520	*3,890 *8,580	2,900 6,390			*2,810 *6,190	2,090 4,610	7.25 (23.8)
3.0 m 9.8 ft	kg lb			*5,500 *12,130	4,220 9,300	*4,390 *9,680	2,770 6,110	3,080 6,790	1,940 4,280	*2,820 *6,220	1,870 4,120	7.64 (25.0)
1.5 m 4.9 ft	kg lb			6,530 14,400	3,890 8,580	4,230 9,330	2,620 5,780	3,030 6,680	1,880 4,140	2,900 6,390	1,800 3,970	7.71 (25.3)
Ground Line	kg lb			6,310 13,910	3,710 8,180	4,120 9,080	2,520 5,560			3,010 6,640	1,860 4,100	7.47 (24.5)
-1.5 m -4.9 ft	kg lb	*8,880 *19,580	6,640 14,640	6,270 13,820	3,670 8,090	4,090 9,020	2,490 5,490			3,380 7,450	2,090 4,610	6.90 (22.6)
-3.0 m -9.8 ft	kg lb			6,360 14,020	3,750 8,270							

Lifting Capacity (Dozer Down)

Capacities based on North American Standard Configuration in accordance with ISO condition 2 standard.

Boom: 5.0 m (16' 5")

Arm: 2.45 m (8' 0")

CWT 9,259 lb (4,200 kg)

Rating over front

Rating over side or 360 degree

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)		Capacity		Reach m (ft)
7.5 m 24.6 ft	kg lb			*3,750 *8,270	*3,750 *8,270					*3,400 *7,500	*3,400 *7,500	5.18 (17.0)
6.0 m 19.7 ft	kg lb			*3,640 *8,020	*3,640 *8,020	*3,700 *8,160	*3,700 *8,160			*2,950 *6,500	*2,950 *6,500	6.49 (21.3)
4.5 m 14.8 ft	kg lb			*4,320 *9,520	*4,320 *9,520	*3,890 *8,580	*3,890 *8,580			*2,810 *6,190	*2,810 *6,190	7.25 (23.8)
3.0 m 9.8 ft	kg lb			*5,500 *12,130	*5,500 *12,130	*4,390 *9,680	4,360 9,610	*3,760 *8,290	3,080 6,790	*2,820 *6,220	*2,820 *6,220	7.64 (25.0)
1.5 m 4.9 ft	kg lb			*6,670 *14,700	6,410 14,130	*4,940 *10,890	4,200 9,260	*4,120 *9,080	3,020 6,660	*2,970 *6,550	2,900 6,390	7.71 (25.3)
Ground Line	kg lb			*7,330 *16,160	6,200 13,670	*5,320 *11,730	4,080 8,990			*3,300 *7,280	3,000 6,610	7.47 (24.5)
-1.5 m -4.9 ft	kg lb	*8,880 *19,580	*8,880 *19,580	*7,320 *16,140	6,160 13,580	*5,310 *11,710	4,060 8,950			*3,930 *8,660	3,360 7,410	6.90 (22.6)
-3.0 m -9.8 ft	kg lb			*6,490 *14,310	6,250 13,780							

NOTES:

- Lifting capacities are based on ISO 10567.
- Lifting capacity of the HX 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.

ENGINE	STD	OPT
Cummins B4.5 engine	●	
HYDRAULIC SYSTEM		
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	●	
Electronic Fan Control	●	
20 km/h speed limit		●
Hyundai Bio Hydraulic Oil (HBHO)		●
CAB & INTERIOR		
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
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 cab locks, one key	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD 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 Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights	●	
Cabin front window rain guard		●
Seat		
Mechanical Suspension with Heater		●
Adjustable air suspension seat with heater	●	
Cabin FOPS/FOG		
FOPS (Falling Object Structures)	Front & Tops Guard	●
	Top Guard	●
Cabin ROPS		
ROPS (Roll Over Protective Structures)	●	

SAFETY	STD	OPT
Ride control & Boom floating	●	
Battery master switch	●	
Rear view camera	●	
Rear & Mirror view camera		●
AAVM (Advanced Around View Monitoring)		●
Four front working lights (2 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	●	
Swing Lock System		●
Second monitor		●
Four outside rearview mirror	●	

ATTACHMENT

Booms	STD	OPT
5.0 m, 16' 5" 2-Piece		●
Arms		
2.00 m, 6' 7"		●
2.45 m, 8' 0"		●
2.60 m, 8' 6"	●	

OTHER

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)		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)	●	
Rotating Piping Kit		●
Quick coupler with piping	●	
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)	●	
Automatic digging brake		●
Joystick Steering		●
Fine Swing Control System		●
Auto cruiser system	●	
LED lights on boom (2)		●
Lower Frame Toolbox - LH	●	
Lower Frame Toolbox - LH, RH		●

UNDERCARRIAGE

Front dozer blade		●
Rear dozer blade	●	
Rear outrigger		●
Front outrigger and rear blade	●	
Front and rear outrigger		●
Front blade and rear outrigger		●
Front grapple rest and rear blade		●
Front and rear dozer blade		●
Trailer hitch for rear dozer blade		●
Front grapples rest and rear outrigger		●
Front bucket rest and rear blade		●
Front bucket rest and rear outrigger		●
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.
 * All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT