

# **HW170A** CR

# **SPECIFICATIONS**

**Net Power** 170 HP (127 kW) / 2,200 rpm Standard Bucket .85 m³/1.11 yd³ Operating Weight 39,350 lbs (17,850 kg)



Powered By Cummins Performance Series Engine

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

HYDRAULIC	CVCTEM		
MAIN PUMP	3131EIM		
Туре		Variable Displacement Piston pumps	
Max. Flow		260 l/pm (68.6 gmp) @ 1,800 rpm	
AUXILIARY PR	RESSURE		
210/	Flow (I/min)	13~66 gpm / (50~250 lpm)	
2 Way	Pressure (bar)	1,450~4,641 psi / (100~320 bar)	
Detetion	Flow (I/min)	16 gpm / (60 lpm)	
Rotating	Pressure (bar)	3,046 psi / (210 bar)	
PILOT PUMP			
Туре		Fixed displacement gear pump single stage	
Max. Flow		33 l /min (8.7 U.S. gpm)	
HYDRAULIC N	//OTORS		
Travel		Variable Displacement Bent Axis Piston Motor	
Swing		Fixed Displacement Radial Piston Motor	
RELIEF VALVE	SETTING		
Implement Ci	rcuits	350 kgf/cm <sup>2</sup> (4,978 psi)	
Travel		380 kgf/cm <sup>2</sup> (5,400 psi)	
Power Boost (Boom, Arm, Bucket)		380 kgf/cm² (5,400 psi)	
Swing Circuit		270 kgf/cm <sup>2</sup> (3,840 psi)	
Pilot Circuit		40 kgf/cm² (570 psi)	
Service Valve		Installed	

Service valve	motuned		
DRIVES & BRAKES			
	nstant mesh, helical gear transmission provides 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 m $^3$  (1.11 yd $^3$ ) 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 Coolar	it	5.2	19.5	
Engine Oil		2.9	11	
Swing Device	gear oil (OPT)	1.64 (1.3)	6.2 (5.0)	
Swing Device	grease (OPT)	(0.32)	(1.2)	
Axle	Front	4.09	15.5	
Axie	Rear	4.62	17.5	
Transmission		0.7	2.5	
Hydraulic Syste (Including Tan		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 jo	ystick / 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	

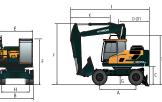


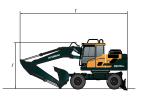
#### HW170A CR 2-PIECE BOOM DIMENSIONS

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

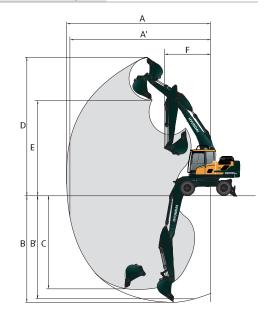
Α	Wheel base	2,600 (8' 6")
В	Overall width (STD / Wide axle)	2,530 (8' 4") / 2,700 (8' 10")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	1,830 (6' 0")
D'	Rear-end swing radius	1,830 (6' 0")
Е	Upperstructure width	2,500 (8' 6")
F	Overall height of cab	3,220 (10' 7")
G	Min. ground clearance	370 (1' 3")
Н	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")
1	Overall length (Traveling position)	5,880 (19' 3")	5,850 (19' 2")	5,790 (19' 0")
ľ	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")

Н٧	-IW170A CR 2-PIECE BOOM WORKING RANGE			
	Boom length		5,000 (16' 5")	
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
А	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")
В	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")
Е	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")



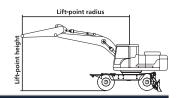
### ATTACHMENT

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.

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
		kN	98 [107]	98 [107]	98 [107]	
_	SAE	kgf	10,008 [10,920]	9,992 [10,900]	10,026 [10,940]	
Bucket	lbf	lbf	22,060 [24,070]	22,030 [24,030]	22,100 [24,120]	
digging force	ISO	kN	115 [125]	115 [125]	115 [126]	[]: Power
10,00		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]	
		kN	85 [93]	67 [73]	67 [73]	Boost
	SAE	kgf	8,648 [9,430]	6,858 [7,480]	6,798 [7,420]	
Arm		lbf	19,070 [20,790]	15,120 [16,490]	14,990 [16,360]	
crowd force	rce kN ISO kgf	kN	89 [98]	70 [77]	70 [76]	
		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





## Lifting Capacity (Without Dozer)

Boom: 5.0 m (16' 5") Arm: 2.45 m (8' 0")

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

Rating over front

CWT 9,	259 lb	s (4,200 kg)								Rating over	er side or 360	degree 🛱	
			Lift-point radius								At max. reach		
Lift-point		3 m (9.8 ft)		4.5 m (14.8 ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach	
heigh m (ft		J		J		U		ľ		Ū		m (ft)	
7.5 m	kg			*3,750	*3,750				'	*3,400	*3,400	5.18	
24.6 ft	lb			*8,270	*8,270					*7,500	*7,500	(17.0)	
6.0 m	kg			*3,640	*3,640	*3,700	2,950			*2,950	2,550	6.49	
19.7 ft	lb			*8,020	*8,020	*8,160	6,500			*6,500	5,620	(21.3)	
4.5 m	kg			*4,320	*4,320	*3,890	2,900			*2,810	2,090	7.25	
14.8 ft	lb			*9,520	*9,520	*8,580	6,390			*6,190	4,610	(23.8)	
3.0 m	kg			*5,500	4,220	*4,390	2,770	3,080	1,940	*2,820	1,870	7.64	
9.8 ft	lb			*12,130	9,300	*9,680	6,110	6,790	4,280	*6,220	4,120	(25.0)	
1.5 m	kg			6,530	3,890	4,230	2,620	3,030	1,880	2,900	1,800	7.71	
4.9 ft	lb			14,400	8,580	9,330	5,780	6,680	4,140	6,390	3,970	(25.3)	
Ground	kg			6,310	3,710	4,120	2,520			3,010	1,860	7.47	
Line	lb			13,910	8,180	9,080	5,560			6,640	4,100	(24.5)	
-1.5 m	kg	*8,880	6,640	6,270	3,670	4,090	2,490			3,380	2,090	6.90	
-4.9 ft	lb	*19,580	14,640	13,820	8,090	9,020	5,490			7,450	4,610	(22.6)	
-3.0 m	kg			6,360	3,750								
-9.8 ft	lb			14,020	8,270								

# Lifting Capacity (Dozer Down)

Boom: 5.0 m (16' 5") Arm: 2.45 m (8' 0")

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

Rating over front

CWT 9.259 lb (4.200 kg)

Rating over side or 360 degree

C 1 1 3,2	-55 10	(4,200 kg)								nating ove	1 3lue 01 300	acgice 3
					Lift-poir	nt radius				At max. reach		
Lift-poi		3.0m	(9.8ft)	4.5m	(14.8ft)	6.0m	(19.7ft)	7.5m	(24.6ft)	Cap	acity	Reach
heigh m (ft)		Ū		Ī		Ū		Ū		·		m (ft)
7.5 m	kg			*3,750	*3,750					*3,400	*3,400	5.18
24.6 ft	lb			*8,270	*8,270					*7,500	*7,500	(17.0)
6.0 m	kg			*3,640	*3,640	*3,700	*3,700			*2,950	*2,950	6.49
19.7 ft	lb			*8,020	*8,020	*8,160	*8,160			*6,500	*6,500	(21.3)
4.5 m	kg			*4,320	*4,320	*3,890	*3,890			*2,810	*2,810	7.25
14.8 ft	lb			*9,520	*9,520	*8,580	*8,580			*6,190	*6,190	(23.8)
3.0 m	kg			*5,500	*5,500	*4,390	4,360	*3,760	3,080	*2,820	*2,820	7.64
9.8 ft	lb			*12,130	*12,130	*9,680	9,610	*8,290	6,790	*6,220	*6,220	(25.0)
1.5 m	kg			*6,670	6,410	*4,940	4,200	*4,120	3,020	*2,970	2,900	7.71
4.9 ft	lb			*14,700	14,130	*10,890	9,260	*9,080	6,660	*6,550	6,390	(25.3)
Ground	kg			*7,330	6,200	*5,320	4,080			*3,300	3,000	7.47
Line	lb			*16,160	13,670	*11,730	8,990			*7,280	6,610	(24.5)
-1.5 m	kg	*8,880	*8,880	*7,320	6,160	*5,310	4,060			*3,930	3,360	6.90
-4.9 ft	lb	*19,580	*19,580	*16,140	13,580	*11,710	8,950			*8,660	7,410	(22.6)
-3.0 m	kg			*6,490	6,250							
-9.8 ft	lb			*14,310	13,780							

- 1. Lifting capacities are based on ISO 10567.
  2. 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.
- 3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- 4. (\*) indicates load limited by hydraulic capacity.

Lummins B45 engine HYDRAULC SYSTEM Intelligent Power Control (IPC) 3-power mode, 2-work mode, user mode Variable Power Control Pump Flow Control Attachment Mode Flow Control Attachment Mode Flow Control Engine Auto Shutdown Control Engine Auto Shutdown Control Electronic Fan Control 20 km/h speed limit Hyunda Bio Hydraulic Oil (HBHO)  CAB & INTERIOR SO Standard abin Riserup type windshield wiper Radio / USB player Beach of CAP Control All-weather steel cab with 360° visibility Safety glass - Tempered glass with front laminated glass Selfety glass windows Sliding fold-in front window Sliding fold-in front window Sliding fold-in front window Sliding fold-in front window Sliding sold window(LH) Lockable door Hot & cool box Storage compartment Transparent dabin roof-cover Sun visor Door and cab locks, one key Pilot-operated slidable joystick Dororand Cab in Roof Control Air conditioner & heater Perforster Automatic dimate control Air conditioner & heater Defroster Starting Aid (air grid heater) for cold weather Engine coolant temperature gauge Max power Dororand warning with alarm Check Engine Air Condaming with alarm Check Engine Air Cabin front window rain guard Seat Mechanical Suspension with Heater Adjustable air suspension seat with heater Cabin Front Kingling Object Structures)  Front & Top Guard  Fro	ENGINE	STD	OPT
Intelligent Power Control (IPC) 3-power mode, 2-work mode, user mode Variable Power Control Pump Flow Control Attachment Mode Flow Control Engine Auto Kilte Engine Auto Shutdown Control 20 km/h speed limit Hyundai Bio Hydraulic Oll (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 Sifety glass windows Siding fold-in front window Siding fold-in front window Siding side window(IH) Lockable door Hot & cool box Storage compartment Transparent cabin roof-cover Sun visor Door and cab locks, one key Pilot-operated sidiable joystick Console box height adjust system Automatic climate control Air conditioner & heater Perforter  Automatic climate control Air conditioner & heater  Perforter  Automatic dinate control  Auto did grighd heater) for cold weather  Centralized monitoring  **ECO 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 cleamer 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  Front & Tops Guard Top Guard  Front & Tops Guard Top Guard	Cummins B4.5 engine	•	
3-power mode, 2-work mode, user mode  Variable Power Control  Pump Flow Control  Attachment Mode Flow Control  Engine Auto Shutdown Control  Bectronic 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)  Bectric horn  All-weather steel cab with 360° visibility  Safety glass - Tempered glass with front laminated glass Safety glass windows  Siding fold-in front window  Siding side window(LH)  Lockable door  Hoto & cool box  Storage compartment  Transparent cabin roof-cover  Sun visor  Door and cab locks, one key  Door and cab locks, one key  Door and cab locks, one key  Pilot-operated sildable joystick  Console box height adjust system  Automatic climate control  Aut conditioner & heater  Defroster  Starting Aid (air grid heater) for cold weather  Centralized monitoring  8° LCD display  Frogine speed or Trip meter/Accel.  Engine coolant temperature gauge  Max power  Low speed/High speed  Auto idle  Overload warning with alarm  Oheck 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 seat with Heater  Adjustable air suspension seat with heater	HYDRAULIC SYSTEM		
Variable Power Control Pump Flow Control Pump Flow Control Attachment Mode Flow Control Engine Auto Idle Engine Auto Shutdown Control Electronic Fan Control  Dectronic Fan Control  Electronic Fan Control  Do km/h speed limit Hyunda Bio Hydraulic Oil (HBHO)  CAB & INTERIOR  ISO Standard cabin Riserup type windshield wiper Radio / USB player Handsfree mobile phone system with USB 12 volt power outlet (2AV DC to 12V DC converter) Electric horn All-weather steel cab with 360° visibility Safety glass — Tempered glass with front laminated glass Safety glass — Tempered glass with front laminated glass Safety glass — Tempered glass with front laminated glass Safety glass of windows Sliding fold-in front window Sliding side window(LH) Lockable door Hot & cool box Storage compartment Transparent cabin roof-cover Sun visor 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 Ax power  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 Front & Tops Guard Top Guard	Intelligent Power Control (IPC)		
Pump Flow Control Attachment Mode Flow Control Engine Auto Shutdown Control Electronic Fan Control  20 km/h speed limit Hyundal Bio Hydraulic Oll (HBHO)  CAB & INTERIOR ISO Standard cabin Rise-up type windshield wiper Radio / USB player  Bectric horn All-weather steel cab with 360° visibility Electric horn All-weather steel cab with 360° visibility Safety glass - Tempered glass with front laminated glass Safety glass - Tempered glass with front laminated glass Safety glass windows Silding side window(H) Lockable door Hot & cool box Storage compartment Transparent cabin roof-cover Sun visor Door and cab locks, one key Pilot-operated sildable 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 Brid (air grid heater) for cold weather Centralized monitoring Brid Cold display Automatic climate control Air conditioner & heater Defroster Starting Aid (air grid heater) for cold weather Centralized monitoring Brid Cold display Automatic dimate control Air conditioner & heater Defroster Starting Aid (air grid heater) for cold weather Centralized monitoring Brid Cold display Automatic dimate control Air conditioner & heater Defroster Starting Aid (air grid heater) for cold weather Centralized monitoring Brid Cold display Automatic dimate control Air conditioner & heater Defroster Starting Aid (air grid heater) for cold weather Centralized monitoring Brid Cold display Defroster Starting Aid (air grid heater) for cold weather Centralized monitoring Consmunication error Deveload warning with alarm Defroster Starting Air displays seed on the seed of the seed	3-power mode, 2-work mode, user mode	•	
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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 I 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 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 S' LCD display Max power Down and cab locks and 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 ROPS/FOG FOPS (Falling Object Structures)  Efont & Tops Guard Top Guard	·	•	
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 fold-in front window Sliding side window(I-H) 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 warner 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		•	
Electronic Fan Control 20 km/h speed limit Hyundia Bio Hydraulic Oil (HBHO)  CAB & INTERIOR  ISO Standard cabin Rise-up type windshield wiper Aadio / 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(I-H) 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 Automatic climate control Automatic climate control 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 Ald claire glauge 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 ROPS  Front & Tops Guard Top Guard  Front & Tops Guard Top Guard		•	
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 - Tempered glass with front laminated glass Safety glass windows Silding side window(LH) Lockable door Hota & cool box Storage compartment Transparent cabin roof-cover Sun visor Door and cab locks, one key Pilot-operated sildable 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 soeed 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 Cod 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/FOOG FOPS (Falling Object Structures)  Cabin ROPS		•	
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Adjustable air suspension seat with heater  Cabin FOPS/FOG  FOPS (Falling Object Structures)  Cabin ROPS  Front & Tops Guard  Top Guard			
Cabin FOPS/FOG       FOPS (Falling Object Structures)     Front & Tops Guard       Top Guard     ●       Cabin ROPS			•
FOPS (Falling Object Structures)  Front & Tops Guard  Top Guard  Cabin ROPS		•	
Cabin ROPS  Top Guard  Top Guard	Front & Tons Guard		
Cabin ROPS			•
ROPS (Roll Over Protective Structures)		'	
	ROPS (Roll Over Protective Structures)	•	

SAFETY	STD	OP.
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 5.0 m, 16' 5" 2-Piece		-
		•
<b>Arms</b> 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	•	•
Batteries (2 x 12V x 100 AH)	-	•
Fuel filler pump (35 lpm)		
Single-acting piping kit (breaker, etc.)		•
Double-acting piping kit (clamshell, etc.)	•	Ť
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 grappler 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.

Printed in U.S.A.

HYUNDAI
<b>CONSTRUCTION EQUIPMENT</b>

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PLEASE CONTACT	

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