SPECIFICATIONS HL960A HD

Powered By Cummins Performance Series Engine



Net Power 222 HP (166 kW) at 2,200 rpm

 Operating Weight
 Bucket Capacity

 19,450 kg (42,880 lb) 3.3 m³ (4.32 yd³)

 20,280 kg (44,710 lb)
 3.3 m³ (4.32 yd³)



HL9 50A

SPECIFICATIONS HL960A HD

ENGINE		
Maker / Model	CUMMINS / B6.7 / EU Stage V	
Туре	Turbocharged, charge air cooled, diesel engine	
Gross Power (SAE J1995)	225 HP (168 kW) at 2,200 rpm	
Net Power (SAE J1349)	222 HP (166 kW) at 2,200 rpm	
Max. Power	251 HP (188 kW) at 1,900 rpm	
Peak Gross Torque (SAE J1995)	1.186 N·m (875 lb.ft) at 1,300 rpm	
Displacement	6.7 L (408 cu in)	

 The indicated net power is available for the flywheel when the engine is equipped with a fan, alternator, air cleaner, and after-treatment device.

 \cdot The indicated gross power is obtained with the fan at maximum speed.

TRANSMISSION

Travel Speed, km/h (mph)		4 Speed T/M	5 Speed T/M with lock up clutch
	1st	6.3 km/h (3.9 mph)	6.7 km/h (4.1 mph)
	2nd	12.1 km/h (7.5 mph)	11.9 km/h (7.3 mph)
Forward	3rd	24.5 km/h (15.2 mph)	18.2 km/h (11.2 mph)
	4th	39.6 km/h (24.6 mph)	28.4 km/h(17.5 mph)
	5th	-	40.0 km/h (24.8 mph)
	1st	6.8 km/h (4.2 mph)	7.1 km/h (4.4 mph)
Reverse	2nd	12.8 km/h (7.9 mph)	12.5 km/h (7.7 mph)
	3rd	25.7 km/h (15.9 mph)	29.9 km/h(18.5 mph)

• This is the maximum travel speed of a standard machine with unfilled bucket.

AXLES

Drive System Four-wheel drive system	
Mount Rigid front axle and oscillating rear axle	
Rear Axle Oscillation	Oscillating \pm 12 $^{\circ}$ degrees
Hub Reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction Ratio	24.667

HYDRAULIC SYSTEM

Туре	Load sensing hydraulic system			
Implement System				
Maximum Pump Output	239 l /min (63.1 gal/r	min) at 2,130 rpm		
Maximum Operating Pressure	28,000 kPa (4,061 p	osi)		
	Raise from Carry Posi	ition : 5.9 Sec.		
Hydraulic Cycle Time	Dump, at maximum ra	aise : 1.5 Sec.		
with Rated Payload	Lower, empty, float down : 3.5 Sec.			
	Total : 10.9 Sec.			
	Type : double acting			
	No. of cylinders-bore \times stroke			
Cylinder	Lift	2-140 × 765 mm (2-5.5" × 30.1")		
	HL960A HD Tilt	1-160 x 530 mm (1-6.3" × 20.9")		

CABIN

ROPS / FOPS Cabin Meet ISO 3471 and ISO 3449 level II standards

OVERVIEW				
Description	HL960A HD	HL960A HDXT		
Operating Weight	19,450 kg (42,880 lb)	20,280 kg (44,710 lb)		
Bucket Capacity Heaped	3.3 m ³ (4.32 yd ³)	3.3 m ³ (4.32 yd ³)		
Breakout Force-Bucket	16,670 kg (36,750 lb)	16,430 kg (36,220 lb)		
Tipping Load Straight	14,400 kg (31,750 lb)	13,050 kg (28,775 lb)		

TIRES		
Туре	Tubeless, loader design tires	
Standard	23.5 R25, L3	
	23.5 R25, XHA2	
Options Include	23.5-25, 20PR, L3	
	23.5-25, 20PR, L5	

BRAKES				
Service Brakes	Hydraulically actuated, wet disc brakes actuate all 4 wheels independent axle-by-axle system. Self adjusting & wheel speed brake.			
Parking Brake	Spring-applied, hydraulically released brake			
Emergency Brake	When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.			

STEERING SYSTEM

Type Load sensing hydrostatic articulated	
Pump Variable displacement piston pump, 148.5 l/min (39.2 gal/min)	
System Pressure	210 bar (3,046 psi)
Cylinder	Double acting 2-80 mm (3.15") \times 424 mm (16.7")
Steering Angle	40° to both right and left angle, respectively

SERVICE REFILL CAPACITIES

Fuel Tank	260.0 liters (68.6 US gal)			
Def Tank	37.1 liters (9.8 US gal)			
Cooling System	42.0 liters (11.1 US gal)			
Crankcase	18.0 liters (4.7 US gal)			
Transmission	33.0 liters (8.7 US gal)			
Front Axle	35.0 liters (9.2 US gal)			
Rear Axle	35.0 liters (9.2 US gal)			
Hydraulic Tank	110.0 liters (29.0 US gal)			
Hydraulic System (Including Tank)	200.0 liters (52.8 US gal)			

CAB NOISE LEVEL

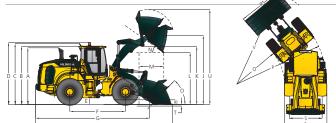
Guaranteed noise level presented below can be differed depending on a range of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in the improperly maintained cabin or exposed to a noisy environment by leaving doors and/or windows open.

With cooling fan speed at maximum value:

Operator sound pressure level (ISO 6396:2008)	70 dB(A)	
Exterior sound power level (ISO 6395:2008)	105 dB(A)	
* Distance of 15 m (49.2 ft), moving forward in second gear ratio.		

HL960A HD DIMENSIONS

All dimensions are approximate.



	Description	HL960A HD	HL960A HDXT
А	Height to Top of Exhaust Pipe	3,340 (10' 11")	3,340 (10' 11")
В	Height to Top of Cabin	3,450 (11' 3")	3,450 (11' 3")
С	Height to Top of Product Link Antenna	3,505 (11' 6")	3,505 (11' 6")
D	Height to Top of Warning Beacon	3,580 (11' 9")	3,580 (11' 9")
Е	Ground Clearance	410 (1' 4")	410 (1' 4")
F	Wheelbase	3,300 (10' 10")	3,300 (10' 10")
G	Overall Length (Without Bucket)	6,870 (22' 6'')	7,425 (24' 4'')
Н	Shipping Length (With Bucket Level on Ground)	8,140 (26' 8'')	8,695 (28' 6")
1	Hinge Pin Height at Carry Position	465 (1' 6'')	600 (2')
J	Hinge Pin Height at Maximum Lift	4,105 (13' 6'')	4,535 (14' 11")

				Unit : mm (f i n)
	Descr	iption	HL960A HD	HL960A HDXT
К	Lift Arm Clearand Maximum Lift	ce at	3,455 (11' 4")	3,885 (12' 9'')
L	Dump Clearance 45° Discharge	Dump Clearance at Maximum Lift and 45° Discharge		3,365 (11')
М	Reach at Maximum Lift and 45° Discharge		1,285 (4' 2")	1,380 (4' 6")
N	Dump Angle at Maximum Lift and Dump (on Stops)		50	50
0	Dell Deck Angle	Ground	42	42
0	Roll Back Angle	Carry	47	48
Ρ	Clearance Circle (Diameter) to Outside of Tires		12,060 (39' 6")	12,060 (39' 6")
Q	Clearance Circle (Diameter) to Inside of Tires		6,430 (21' 1")	6,430 (21' 1")
R	Width Over Tires (Unloaded)		2,770 (9' 1")	2,770 (9' 1")
S	Tread Width		2,160 (7' 1")	2,160 (7' 1")

HL960A HD OPERATING SPECIFICATIONS WITH BUCKETS

Linkage Bucket Type			l Linkage oose - Pin On		General Purpose - Hook On	High Lift Linkage
Edge Type	Bolt-On Cutting Edges	1 Piece Tooth	2 Piece Tooth	2 Piece Tooth & Segment	Bolt-On Cutting Edges	Change
Capacity - Rated	3.3 m ³ (4.3 yd ³)	3.2 m ³ (4.2 yd ³)	3.2 m ³ (4.2 yd ³)	3.3 m ³ (4.3 yd ³)	3.3 m ³ (4.3 yd ³)	-
Capacity - Rated at 110% Fill Factor	3.6 m ³ (4.7 yd ³)	3.5 m ³ (4.6 yd ³)	3.5 m ³ (4.6 yd ³)	3.6 m ³ (4.7 yd ³)	3.6 m ³ (4.7 yd ³)	-
Width	2,900 mm (9' 6" ft/in)	2,950 mm (9' 8" ft/in)	2,970 mm (9' 9" ft/in)	2,970 mm (9' 9" ft/in)	2,900 mm (9' 6" ft/in)	-
Dump Clearance at Maximum	2,935 mm	2,810 mm	2,775 mm	2,775 mm	2,755 mm	430 mm
Lift and 45° Discharge	(9' 7" ft/in)	(9' 3" ft/in)	(9' 2" ft/in)	(9' 2" ft/in)	(9' 1" ft/in)	(1' 5" ft/in)
Reach at Maximum Lift and	1,285 mm	1,370 mm	1,390 mm	1,390mm	1,465 mm	95 mm
45° Discharge	(4' 3" ft/in)	(4' 6" ft/in)	(4' 7" ft/in)	(4' 7" ft/in)	(4' 10" ft/in)	(4" ft/in)
Digging Depth	90 mm	115 mm	125 mm	125 mm	90 mm	55 mm
	(3.5" ft/in)	(4.5" ft/in)	(4.9" ft/in)	(4.9" ft/in)	(3.5" ft/in)	(2" ft/in)
Shipping Length (with Bucket)	8,140 mm	8,290 mm	8,330 mm	8,330 mm	8,395 mm	555 mm
	(26' 8" ft/in)	(27' 2" ft/in)	(27' 4" ft/in)	(27' 4" ft/in)	(27' 7" ft/in)	(1' 10" ft/in)
Overall Height with Bucket	5,640 mm	5,640 mm	5,640 mm	5,640 mm	5,820 mm	430 mm
at Maximum Lift	(18' 6" ft/in)	(18' 6" ft/in)	(18' 6" ft/in)	(18' 6" ft/in)	(19' 1"ft/in)	(1' 5" ft/in)
Loader Clearance Circle with	13,410 mm	13,570 mm	13,620 mm	13,620 mm	13,570 mm	450 mm
Bucket at Carry Position	(44' ft/in)	(44' 6" ft/in)	(44' 8" ft/in)	(44' 8" ft/in)	(44' 6" ft/in)	(1' 6" ft/in)
Static Tipping Load. Straight	14,400 kg	14,600 kg	14,600 kg	14,350 kg	13,170 kg	-1,350 kg
(No Tire Deflection)	(31,750 lb)	(32,190 lb)	(32,190 lb)	(31,415 lb)	(28,835 lb)	(-2,975 lb)
Static Tipping Load. Articulated	12,500 kg	12,670 kg	12,670 kg	12,450 kg	11,430 kg	-1,350 kg
(No Tire Deflection)	(27,560 lb)	(27,930 lb)	(27,930 lb)	(27,450 lb)	(25,200 lb)	(-2,975 lb)
Breakout Force	16,670 kg	17,705 kg	17,705 kg	16,670 kg	13,870 kg	-240 kg
	(36,750 lb)	(39,030 lb)	(39,030 lb)	(36,750 lb)	(30,580 lb)	(-530 lb)
Operating Weight*	19,450 kg	19,375 kg	19,375 kg	19,500 kg	19,840 kg	+830 kg
	(42,880 lb)	(42,710 lb)	(42,710 lb)	(42,990 lb)	(43,740 lb)	(+1,830 lb)

* All height and tire related dimensions are with standard 20.5 R25, \star \star , L3 tires.

HL960A HD BUCKET SELECTION CHART

Standard lift arm - General Purpos	se														
Tune	ma3 (s cal3)	Material Density [ton / m³]]													
Туре	m ³ (yd ³)	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
Cutting Edge	3.3 (4.32)				3.8 m³ (4	.97 yd³)						3.1 m³ (4. 05 yd³)		
1-Bolt on Tooth	3.2 (4.19)					3.7 m³ (4	.84 yd³)						3.0 m ³ (3.92 yd³)	
2-Bolt on Tooth	3.2 (4.19)				3	.7 m³ (4	.84 yd³)						3.0 m ³ (3.92 yd³)	
2-Bolt on Tooth & Segment edge	3.3 (4.32)				3.8 m³ (4	.97 yd³)						3.1 m ³ (4. 05 yd ³)		
Cutting Edge Q/C	3.3 (4.32)			3.8 m ³ (4	.97 yd³)						3.1 m ³ ((4.05 yd ³)			
High lift arm - General Purpose															
Ture	m3 (vd3)	Material Density [ton / m ³]													
Туре	m ³ (yd ³)	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
Cutting Edge	3.3 (4.32)		3.8 m³ (4	.97 yd³)						3.1 m ³	(4. 05 yd ³))			
1-Bolt on Tooth	3.2 (4.19)			3.7 m ³ (4	.84 yd³)						3.0 m ³	(3.92 yd³)			
2-Bolt on Tooth	3.2 (4.19)			3.7 m ³ (4	.84 yd³)						3.0 m ³	(3.92 yd³)			
2-Bolt on Tooth & Segment Edge	3.3 (4.32)		3.8 m ³ (4	.97 yd³)						3.1 m ³	(4. 05 yd ³))			
Cutting Edge Q/C	3.3 (4.32)	3.8 m ³	(4.97 yd³)						3.1 m ³	(4. 05 yd ³	[;])				

NGINE	STD	OPT
ENGINE, CUMMINS, B6.7		
3 Stage air precleaner	•	
Alternator, 95A	•	
Fuel warmer	•	
Engine oil level dipstick gauge		
Fuel / water separator		
VGT (Variable Geometry Turbo)		
CLEAN EMISSION MODULE	1	
DOC, DPF and SCR	•	
Active Emission Regeneration (No Manual Rege	eneration I	Require
Stage V Certified Emmissions	•	
EGR Free	•	
Automatic Regeneration	•	
COOLING SYSTEM		
Antifreeze	•	
Auto Reversing Fan (adjustable Time/		
Interval Frequencies) w/ Manual Override	-	
Coolant Level Sight Gauge	•	
Fan guard	•	
Wide Fin Radiator	•	
OWER TRAIN	STD	OPT
TRANSMISSION		
Transmission F4/R3, computer		
controlled, electronic soft shift, auto- shift and kick-down features included	•	
Transmission oil sight level		
Wide Fin Transmission Oil Cooler	•	
AXLE	•	
Conventional (Rear)		
Hydraulic lock differential (Front)	•	
Limited slip differential (Front / Rear)		
BRAKE	1	
Parking brake	•	
Service brake (Enclosed wet-disc)	•	
TIRES		
23.5 R25, ★★, L3	•	
23.5 R25, ★, XHA		•
23.5-25, 20PR, L3		•
23.5-25, 20PR, L5		•
23.5-25, 20PR, L5 23.5-25, Solid Tire	STD	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM	STD	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps	STD •	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46)	STD •	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic oil level sight gauge	STD •	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic oil level sight gauge Hydraulic Oil VG32	STD ·	•
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic oil level sight gauge	STD • • •	•
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23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic	• • • • • • • • • • • • • • • • • • • •	• • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG46 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function	• • • • • • • • • • • • • • • • • • • •	• • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip	• • • • • • • • • • • • • • • • • • • •	• • • •
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23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping	• • • • • • • • • • • • • • • • • • • •	• • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG46 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system	• • • • • • • • • • • • •	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG46 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system	• • • • • • • • • • • • • • • • • • • •	• • • • • • •
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23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL	• • • • • • • • • • • • •	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL Air filter clogging	• • • • • • • • • • • • • • • • • • •	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system ALARMS, AUDIBLE AND VISUAL Air filter clogging Battery voltage	• • • • • • • • • • • • • • • • • • •	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL Air filter clogging Battery voltage Brake oil pressure	• • • • • • • • • • • • • • • • • • •	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil level sight gauge Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL Air filter clogging Battery voltage Brake oil pressure DEF low level	· · · · · · · · · · · · · · · · · · ·	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG32 Hydraulic Oil VG32 Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL Air filter clogging Battery voltage Brake oil pressure DEF low level Engine coolant level	· · · · · · · · · · · · · · · · · · ·	• • • • • • •
23.5-25, 20PR, L5 23.5-25, Solid Tire IYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic Oil VG46 Wide Fin Hydraulic Oil Cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Bucket positioner, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CAB & INTERIOR ALARMS, AUDIBLE AND VISUAL Air filter clogging Battery voltage Brake oil pressure DEF low level Engine coolant level Engine coolant temperature	· · · · · · · · · · · · · · · · · · ·	• • • • • • •
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HYUNDAI **CONSTRUCTION EQUIPMENT**

www.hceamericas.com 6100 Atlantic Blvd., Norcross, GA 30071 TEL (678) 823-7777 FAX (678) 823-7778

CAB & INTERIOR	STD	OP
ALARMS, AUDIBLE AND VISUAL		
Transmission oil temperature	•	
GAUGES		
Diesel Exhaust Fluid (DEF) level	•	
Engine coolant temperature	•	
Fuel level	•	
Horn, electric	•	
Speedometer	•	
Transmission oil temperature	•	
INDICATOR LIGHTS Clutch Cut Off		
Differential Lock	•	
Engine auto stop		
ENR		
High beam	•	
Parking brake	•	
Pilot cut off	•	
Ride control	•	
Seat belt ON/OFF	•	
Turning light	•	
LCD DISPLAY		
Clock and fault code	•	
DEF level	•	
DEF low level	•	
Engine rpm	•	
Horn, electric	•	
Job time and distance	•	
Operating hour counter	•	
Transmission gear range	•	
BATTERIES		
850CCA, 12V, 2PCS	•	
LIGHTING SYSTEM		
Brake lights(Counterweight)	•	
LED dome light	•	
2 Head lights on front tower	•	
2 Head lights (LED) on front tower		•
2 Stop and tail lights	•	
4 Turn signals 2 Working lights on front roof	•	
4 Working lights on front roof		
2 Working lights on rear roof		•
4 Working lights (LED) on front roof		
2 Working lights (LED) on rear roof		•
2 Working lights on grill	•	
2 Working lights (LED) on grill	•	
SWITCHES		
Battery master switch	•	
Differential Lock	•	
Emergency steering		•
FNR shifter	•	
Hazard	•	
Parking	•	
Pilot cut off	•	
SYSTEM MEMORY SETTINGS		
Autolube, integrated in secondary display	_	•
Auto position	•	
Beacon light		•
Fine modulation Main light	•	
Mirror heat	•	
Quick coupler	•	
Rear wiper	•	
Ride control	•	
Work light	•	
Work load	•	
IGNITION		
Key	•	
Push Start Button		•
CAB (SOUND SUPPRESSED)	•	
24V to $12V$ DC converter $(20A)$	•	
24V to 12V DC converter (20A) Coat hook		
Coat hook	•	
	-	

CAB(SOUND SUPPRESSED)	STD	OPT
Roller type sunshade (Front window)		
ROPS / FOPS CAB.	-	
	•	
Rubber floor mat	•	
Steering column, tilt and telescopic	•	
Steering wheel with knob	•	
Tinted safety glass	•	
Wrist rest	•	
DOOR		
Door and cab locks, one key	•	
Doors, service access (Locking)	•	
Doors, service access (Remote control)		
AUTOMATIC CLIMATE CONTROL		-
Air conditioner & heater	•	
Defroster	•	
Intermittent wiper and washer, front		
and rear		
SEAT		
3" Retractable seat belt & adjustable		
air suspension (Heated)	•	
PERSONAL STORAGE SPACE		
Console box	-	
	-	
Holder, can and cup	•	
PEDALS		
Accel pedal without ECO switch	•	
Dual-brake pedal		•
One acceletator pedal	•	
One brake pedal	•	
AFETY	STD	OPT
Alarm, back-up		
	-	
Boom safety lock		•
Emergency steering		•
Emergency stop	•	
Fire extinguisher		•
OBJECT DETECTION		
AAVM - All Around View Monitoring		•
IMOD (Intelligent Moving Object Detection)	•
RADAR + Secondary Mornitor		•
THERS	STD	ОРТ
	510	
2nd Monitor		•
3 Spool MCV	•	
5 speed T/M with lockup clutch		•
Air Compressor		•
	•	
Auto Engine Shut Down		
-		
Auto Grease System	•	
Auto Grease System Articulation Locking Bar	•	
Auto Grease System Articulation Locking Bar Heavy Counterweight	•	
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks	•	•
Auto Grease System Articulation Locking Bar	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Litense Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics)	•	•
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE	• • • • • • • • • •	•
Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE GUARDS	• • • • • • • • • •	
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE GUARDS Belly-Pan Guard	• • • • • • • • • •	
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE GUARDS Belly-Pan Guard Crankcase	• • • • • • • • • •	
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE GUARDS Belly-Pan Guard Crankcase Fenders (Front)	• • • • • • • • • •	
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite ISO Quick Coupler LED Beacon Lamp License Plate & 10W LED Lamp Litense Plate & 10W LED Lamp Lift and tie-down hooks Loader linkage, sealed Sun Shade on Rear Window of Cabin Vandalism protection caplocks Wheel Chocks SAFETY Handrails Ladders Platforms Steps TELEMATICS ECD (Engine Connected Diagnostics) Hi MATE GUARDS Belly-Pan Guard Crankcase	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·
Auto Grease System Articulation Locking Bar Heavy Counterweight Hi-Mate, Satellite SO Quick Coupler ED Beacon Lamp License Plate & 10W LED Lamp License & 10W LED L	• • • • • • • • • • • • • • • • • • •	

PLEASE CONTACT

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