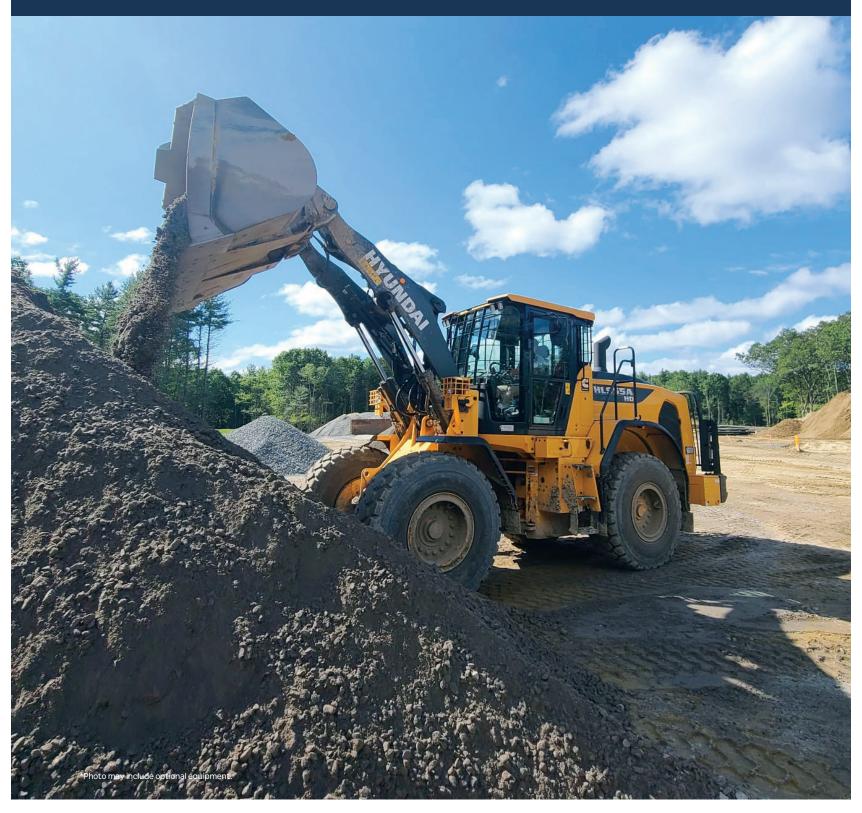


HL955A HD SPECIFICATIONS

Powered By Cummins Performance Series Engine



Net Power

197 hp (147 kW) at 2,200 rpm

Operating Weight

34,833 lb (15,800 kg) -36,355 lb (16,490 kg)

Standard Bucket

 $3.7 \text{ yd}^3 (2.8 \text{ m}^3)$



HL955A HD SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS / B6.7
Туре	Tier 4 Final, 6-cylinder diesel engine
Gross Power (SAE J1995)	200 hp (149 kW) at 2,200 rpm
Net Power (SAE J1349)	197 hp (147 kW) at 2,200 rpm
Maximum Power	210 hp (157 kW) at 1,900 rpm
Peak Gross Torque (SAE J1995)	730 lb·ft (990 Nm) at 1,300 rpm
Displacement	409 in ³ (6.7 <i>l</i>)
Compression Ratio	17.3:1
Alternator	24 V, 95 A
Battery	2 × 12 V × 160 Ah
Starting motor	24 V, 5.5 kW

TRANSM	MISSION				
Torque Co	onverter Type		3-elements, single-stage, single phase		
Tire	Tire		20.5 R25, ★★, L3		
Travel Spe	Travel Speed		4-speed transmission	5-speed transmission with lockup clutch	
	1st		4.4 (7.1)	4.0 (6.4)	
	2nd	mph (km/h)	7.3 (11.7)	6.9 (11.1)	
Forward	3rd		14.7 (23.6)	10.6 (17.1)	
	4th		24.4 (39.2)	16.5 (26.6)	
	5th		-	24.9 (40.0)	
	1st		4.6 (7.4)	4.2 (6.7)	
Reverse	2nd		7.6 (12.3)	7.3 (11.7)	
	3rd		15.5 (24.9)	17.4 (28.0)	

AXLES	
Drive System	Four-wheel drive
Front	Fixed
Rear Axle Oscillation	±11° degrees
Hub Reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction Ratio	23.333

HYDRAULIC SYSTEM			
	Туре	Load sensing hydraulic system	
	Pump	Variable-displacement piston pump	
	Control Valve	2-spool (bucket, boom) 3-spool (bucket, boom, aux)	
	System Pressure	3,980 psi (280 bar)	
	Lift Circuit	The valve has four functions: raise, hold, lower and float. Can adjust automatic kickout from horizontal to full lift.	
	Tilt Circuit	The valve has three functions: tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.	
	CYLINDERS		

No. of Cylinders. Bore ×	Туре	Double acting	
	Lift (2)		4.9" × 29.3" (125 × 745)
	HL955A Tilt (1)	in (mm)	5.5" × 1' 10" (140 × 560)
Stroke	HL955A XT Tilt (1)	()	5.5" × 1' 11" (140 × 585)
Hydraulic	Raise from carry position		5.5
Cycle Time	Dump, at maximum raise		1.8
with Rated Payload	Lower, empty, float down	sec	3.9
	Total		11.2

OVERVIEW	HL955A HD	HL955A HDXT
Operating Weight	34,833 lb (15,800 kg)	36,355 lb (16,490 kg)
Bucket Capacity Heaped	3.7 yd³ (2.8 m³)	3.7 yd³ (2.8 m³)
Breakout Force-Bucket	31,685 lb (14,370 kg)	32,060 lb (14,540 kg)
Tipping Load Straight	25,025 lb (11,350 kg)	20,725 lb (9,400 kg)

TIRES	
Туре	Tubeless, loader design tires
Standard	20.5 R25, ★★, L3
	20.5 R25, ★, XHA
Options Include	20.5-25, 16PR, L3
	20.5-25, 16PR, L5

BRAKES	
Service Brakes	Hydraulically actuated wet disk brakes actuate all 4 wheels independently. Axle-by-axle system. Self-adjusting and 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		
Туре	Load sensing hydrostatic articulated steering	
Pump	Variable-displacement piston pump	
System Pressure	3,046 psi (210 bar)	
No. of Cylinders – Bore × Stroke	Double acting 2-2.8" (70 mm) × 16.5" (418 mm)	
Steering Angle	40° to both right and left angle	
Features	Center-point frame articulation. Tilt and telescopic steering column.	

SERVICE REFILL	CAPACI	TIES
Fuel Tank		60.8 (230)
Def Tank		8.0 (30.1)
Cooling System		11.1 (42)
Crankcase	 _ gal(l) _	4.8 (18.0)
Transmission		11.5 (43.5)
Front Axle		9.2 (35)
Rear Axle		9.2 (35)
Hydraulic Tank		29.1 (110)
Hydraulic System (Including Tank)		41.8 (190)

CAB NOISE LEVEL

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

With cooling fan speed at maximum value:

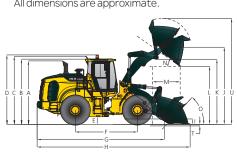
Operator sound pressure level (ISO 6396:2008)	67 dB (A)
Exterior sound power level (ISO 6395:2008)	103 dB (A)
* Distance of 49.2 ft (15 m), moving forward in second gea	r ratio.

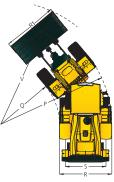
CABIN

ROPS / FOPS Cabin Meet ISO 3471 and ISO 3449

HL955A HD DIMENSIONS

All dimensions are approximate.





Unit: ft in (mm)

			01116.116111(111111)
DE	SCRIPTION	HL955A HD	HL955A HDXT
Α	Height to Top of Exhaust Pipe	10' 11"	(3,320)
В	Height to Top of Cabin	11' 1"	(3,390)
C Height to Top of Product Link Antenna		11' 3"	(3,440)
D	Height to Top of Warning Beacon	leight to Top of Warning Beacon 11' 7" (3,520)	
Е	Ground Clearance	1' 4" (410)	
F	Wheelbase	10' (3,050)	
G	Overall Length (without Bucket)	21' 1" (6,430)	23' 1" (7,025)
Н	Shipping Length (with Bucket Level on Ground)	25' 4" (7,715)	27' 3" (8,310)

Unit: ft in (mm)

DE:	SCRIPTION		HL955A HD	HL955A HDXT
-1	Hinge Pin Heig	ht at Carry Position	1' 5" (440)	2' (610)
J	Hinge Pin Heig	ht at Maximum Lift	12' 11" (3,940)	14' 10'' (4,515)
K	Lift Arm Clear Maximum Lift		10' 11" (3,340)	12' 10" (3,905)
L	Dump Clearar and 45° Disch	nce at Maximum Lift arge	9' 2" (2,785)	11' (3,360)
М	Reach at Maxi and 45° Disch		3' 10" (1,180)	4' (1,220)
N	Dump Angle a Lift and Dump		48	48
0	Roll Back	Ground	41	41
U	Angle	Carry	46	47
Р	Clearance Circ to Outside of	cle (Diameter) Tires	36' 7" (11,140)	36' 7" (11,140)
Q	Clearance Circ to Inside of Tir	cle (Diameter) res	19' 4" (5,980)	19' 4" (5,980)
R	Width Over Ti	res (Unloaded)	8' 4" (2,530)	8' 4" (2,530)
R1	Overall Width	(with bucket)	9' (2,740)	9' (2,740)
S	Tread Width		6' 7" (2,010)	6' 7" (2,010)

OPERATING SPECIFICATIONS WITH BU	CKETS				
Linkage Bucket Type	CRETO	General Pt	urpose Pin On	General Purpose Hook On	High Lift Linkage
Edge Type	Bolt-On Cutting Edges	2-Piece Tooth and Segment	Bolt-On Cutting Edges	Change	
Capacity - Rated	12 (2)	3.7 (2.8)	3.7 (2.8)	3.7 (2.8)	-
Capacity - Rated at 110% Fill Factor	— yd³ (m³)	4.0 (3.1)	4.0 (3.1)	4.0 (3.1)	-
Width		9' (2,740)	9' 3" (2,810)	9' (2,740)	-
Dump Clearance at Maximum Lift and 45° Discharge		9' 2" (2,785)	8' 9" (2,660)	8' 6" (2,600)	+1' 11" (+575)
Reach at Maximum Lift and 45° Discharge		3' 10" (1,180)	4' 2" (1,275)	4' 5" (1,355)	+1.6" (+40)
T Digging Depth	ft in	3" (85)	3" (85)	3" (85)	+1.4" (+35)
H Shipping Length (with Bucket)	— (IIIII) ·	25' 4" (7,715)	25' 10" (7,870)	26' 2" (7,970)	+1' 11" (+595)
U Overall Height with Bucket at Maximum Lift		17' 6" (5,330)	17' 6" (5,330)	18' 1" (5,515)	+1' 11" (+575)
V Loader Clearance Circle		41' 2" (12,550)	41' 9" (12,720)	41' 8" (12,700)	+1' 12" (+600)
Static Tipping Load, Straight (No Tire Deflection)		25,025 (11,350)	24,915 (11,300)	22,490 (10,200)	-2,535 (-1150)
Static Tipping Load, Articulated (No Tire Deflection)	lb (kg)	21,720 (9,850)	21,610 (9,800)	19,515 (8,850)	-2,200 (-1000)
Breakout Force		31,685 (14,370)	31,685 (14,370)	26,415 (11,980)	+375 (+170)
Operating Weight*		34,835 (15,800)	34,955 (15,855)	35,660 (16,175)	+1,525 (+690)

^{*} All height and tire related dimensions are with standard 20.5 R25, $\bigstar \bigstar$, L3 tires.

•					,	,												
BUCKET SELECTION	CHART																	
								Mat	erial Der	nsity, to	n/yd³(t	$/m^3$)						
_	.2 . 2	0.67	0.76	0.84	0.93	1.01	1.1	1.18	1.26	1.35	1.43	1.52	1.6	1.69	1.77	1.85	1.94	2.02
Туре	$yd^3 (m^3)$	(0.8)	(0.9)	(1.0)	(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)
Standard Lift Arm-Ge	neral Purpo	se Buck	ket															
Bolt-On Cutting Edge	3.7 (2.8)					4.2	yd³ (3.2	m³)					3.5	yd³ (2.7	m³)			
Bolt-On-Teeth	3.7 (2.8)					4.2	yd³ (3.2	. m³)					3.5	yd³ (2.7	m³)			
Cutting Edge (ISO Quick Coupler)	3.7 (2.8)	4.2 yd³ (3.2 m³)								3.5	yd³ (2.7	m³)						
High Lift Arm (XT)-Ger	neral Purpo	se Buck	æt															
Bolt-On Cutting Edge	3.7 (2.8)		4.	2 yd³ (3.	2 m³)					3.5	yd³ (2.7	m³)						
Bolt-On-Teeth	3.7 (2.8)		4.	2 yd³ (3.	2 m³)					3.5	yd³ (2.7	m³)						
Cutting Edge (ISO Quick Coupler)	2.8 (3.7)	4.2	yd³ (3.2	2 m³)					3.5	yd³ (2.7	m³)							

ENGINE	
ENGINE ENGINE, CUMMINS, B6.7	
3-stage air precleaner	•
Alternator, 95 A	•
Fuel warmer	•
Engine oil level dipstick gauge	•
Fuel / water separator	•
VGT (Variable Geometry Turbo)	•
CLEAN EMISSION MODULE	
DOC, DPF and SCR	•
Tier 4 Final	•
EGR free	•
COOLING SYSTEM	
Antifreeze	•
Auto-reversing fan (adjustable time/interval	
frequencies) with manual override	_
Coolant level sight gauge	•
Fan guard	•
Wide-fin radiator	•
POWER TRAIN	
TRANSMISSION	
Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kick-	
down features included	•
Transmission F5/R3 with lockup clutch	0
Transmission oil sight level	•
Wide-fin transmission oil cooler	•
AXLE	Ť
Conventional (rear)	•
Front differential lock / Rear conventional Axle	•
Front differential lock / Rear LSD Axle	0
BRAKE	
Parking brake	•
Service brake (enclosed wet-disc)	•
TIRES	
20.5 R25, ★★, L3	•
20.5 R25, ★★, L3 20.5 R25, ★, XHA	0
20.5 R25, ★, XHA	0
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20.5 R25, ★, XHA 20.5-25, 16PR, L3 20.5-25, 16PR, L5 HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46)	OOOO
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20.5 R25, ★, XHA 20.5-25, 16PR, L3 20.5-25, 16PR, L5 HYDRAULIC SYSTEM Diagnostic pressure taps Hyundai Bio Hydraulic Oil (VG46) Hydraulic oil level sight gauge Hydraulic oil VG32 Hydraulic oil VG46 Wide-fin hydraulic oil cooler HYDRAULIC CONTROL Fingertip Joystick ELECTRO-HYDRAULIC CONTROL Boom kickout, automatic Extra piping for auxiliary function Fingertip Joystick Quick coupler piping Ride control system CABIN & 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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24 V to 12 V DC converter (20 A) Coat hook Magazine pocket One door cab		0
Coat hook Magazine pocket One door cab		
Magazine pocket●One door cab●		•
One door cab •		_
		-
		•
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	LIONA
CABIN & INTERIOR	
CABIN (SOUND SUPPRESSED)	
Rearview mirrors (1 inside)	•
Rearview mirrors (2 outside, heated)	•
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)	0
AUTOMATIC CLIMATE CONTROL	
Air conditioner and heater	•
Defroster	•
Intermittent wiper and washer, front and rear	•
SEAT	
Adjustable, heated, air-suspension seat with	•
3" retractable seatbelt PERSONAL STORAGE SPACE	
Console box	
	•
Holder, can and cup	•
PEDALS	_
Accelerator pedal without ECO switch	-
Dual-brake pedal	0
One accelerator pedal	•
One brake pedal	•
SAFETY	
Alarm, backup	•
Boom safety lock	0
Emergency steering	0
Emergency stop	•
Fire extinguisher	0
OBJECT DETECTION	
AAVM (All Around View Monitoring)	0
IMOD (Intelligent Moving Object Detection)	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor	
IMOD (Intelligent Moving Object Detection)	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV	0 0 0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor	0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down	0 0 0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system	0 0 0 0 0 0 0
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar	O O O O O O O O O O O O O O O O O O O
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IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar Heavy counterweight ISO quick coupler LED beacon lamp License plate and 10 W LED lamp Lift and tie-down hooks Loader linkage, sealed Sun shade on rear window of cabin	
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar Heavy counterweight ISO quick coupler LED beacon lamp License plate and 10 W LED lamp Lift and tie-down hooks Loader linkage, sealed Sun shade on rear window of cabin Vandalism protection caplocks	
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IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar Heavy counterweight ISO quick coupler LED beacon lamp License plate and 10 W 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	
IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar Heavy counterweight ISO quick coupler LED beacon lamp License plate and 10 W 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	
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IMOD (Intelligent Moving Object Detection) RADAR + secondary monitor OTHERS 2nd monitor 3-spool MCV Air compressor Auto engine shut down Auto grease system Articulation locking bar Heavy counterweight ISO quick coupler LED beacon lamp License plate and 10 W 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—Mobile (4G) Hi MATE—Satellite GUARDS Belly-Pan guard Crankcase	

^{*} 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.





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