

# SPECIFICATIONS

## HL955A

Powered By Cummins Performance Series Engine



\*Photo may include optional equipment.



**Net Power**  
197 HP (147 kW) at 2,200 rpm

**Operating Weight**  
16,098 kg (35,490 lb) -  
16,490 kg (36,355 lb)

**Standard Bucket**  
2.8 m<sup>3</sup> (3.7 yd<sup>3</sup>)

 **HYUNDAI**  
CONSTRUCTION EQUIPMENT

# SPECIFICATIONS HL955A

ENGINE	
Maker / Model	CUMMINS / B6.7
Type	Tier 4F/ Stage V Emission Certified, 6 cylinder diesel engine with No Manual Regeneration.
Gross Power (SAE J1995)	200 HP (149 kW) at 2,200 rpm
Net Power (SAE J1349)	197 HP (147 kW) at 2,200 rpm
Max. Power	210 HP (157 kW) at 1,900 rpm
Peak Gross Torque (SAE J1995)	730 lb.ft (990 N-m) at 1,300 rpm
Displacement	6.7 L (408 cu in)

TRANSMISSION		
Torque Converter Type	3-Elements, Single-stage, Single phase	
Tire	20.5 R25, ★ ★, L3	
Travel Speed, km/h (mph)	4 speed T/M	5 Speed T/M with lock up clutch
Forward	1st	7.1 (4.4) 6.4 (4.0)
	2nd	11.7 (7.3) 11.1 (6.9)
	3rd	23.6 (14.7) 17.1 (10.6)
	4th	39.2 (24.4) 26.6 (16.5)
	5th	- 40.0 (24.9)
Reverse	1st	7.4 (4.6) 6.7 (4.2)
	2nd	12.3 (7.6) 11.7 (7.3)
	3rd	24.9 (15.5) 28.0 (17.4)

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

HYDRAULIC SYSTEM	
Type	Load sensing hydraulic system
Pump	Variable displacement piston pump,
Control Valve	2 spool (Bucket, Boom) 3 spool (Bucket, Boom, Aux)
System Pressure	280 bar (3,980 psi)
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.
Cylinder	Type : Double acting
	No. of cylinders-bore x stroke;
	Lift 2-125 × 745 mm (2-4.9" × 29.3")
	HL955A Tilt 1-140 x 560 mm (1-5.5" × 1' 10") HL955A XT Tilt 1-140 x 585 mm (1-5.5"× 1' 11")
Hydraulic Cycle Time with Rated Payload	Raise from Carry Position: 5.5 Sec.
	Dump, at maximum raise: 1.8 Sec.
	Lower, empty, float down: 3.9 Sec.
	Total: 11.2 Sec.

OVERVIEW			
Description		HL955A	HL955AXT
Operating Weight		16,098 kg (35,490 lb)	16,490 kg (36,355 lb)
Bucket Capacity	Heaped	2.8 m³ (3.7 yd³)	2.8 m³ (3.7 yd³)
	Struck	2.4 m³ (3.1 yd³)	2.4 m³ (3.1 yd³)
Breakout Force-Bucket		14,370 kg (31,685 lb)	14,540 kg (32,060 lb)
Tipping Load	Straight	11,988 kg (26,430 lb)	9,400 kg (20,725 lb)
	Full Turn	10,408 kg (22,945 lb)	8,150 kg (17,970 lb)

TIRES	
Type	Tubeless, loader design tires
Standard	20.5 R25, ★★, L3
Options Include	20.5 R25, ★, XHA
	20.5-25, 16PR, L3
	20.5-25, 16PR, 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 steering
Pump	Variable displacement piston pump
System Pressure	210 bar (3,046 psi)
Cylinder	Double acting 2-70 mm (2.8") x 418 mm (16.5")
Steering Angle	40° to both right and left angle, respectively
Features	Center-point frame articulation. Tilt and telescopic steering column.

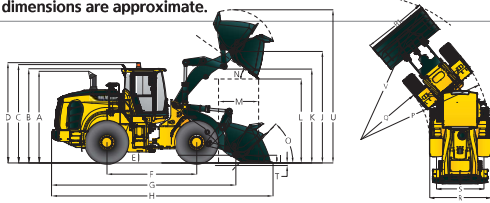
SERVICE REFILL CAPACITIES	
Fuel Tank	230 liters (60.8 US gal)
Def Tank	30.1 liters (8.0 US gal)
Cooling System	42 liters (11.1 US gal)
Crankcase	18.0 liters (4.8 US gal)
Transmission	43.5 liters (11.5 US gal)
Front Axle	35 liters (9.2 US gal)
Rear Axle	35 liters (9.2 US gal)
Hydraulic Tank	110 liters (29.1 US gal)
Hydraulic System (Including Tank)	190 liters (41.8 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)	67 dB(A)
Exterior sound power level (ISO 6395:2008)	103 dB(A)
* Distance of 15 m (49.2 ft), moving forward in second gear ratio.	

CABIN	
ROPS / FOPS Cabin Meet ISO 3471 and ISO 3449	

## HL955A DIMENSIONS

All dimensions are approximate.



Unit : mm (ftn)

Description	HL955A	HL955AXT
A Height to Top of Exhaust Pipe	3,320 (10' 11")	3,320 (10' 11")
B Height to Top of Cabin	3,390 (11' 1")	3,390 (11' 1")
C Height to Top of Product Link Antenna	3,440 (11' 3")	3,440 (11' 3")
D Height to Top of Warning Beacon	3,520 (11' 7")	3,520 (11' 7")
E Ground Clearance	410 (1' 4")	410 (1' 4")
F Wheelbase	3,050 (10')	3,050 (10')
G Overall Length (without Bucket)	6,430 (21' 1")	7,025 (23' 1")
H Shipping Length (with Bucket Level on Ground)	7,715 (25' 4")	8,310 (27' 3")
I Hinge Pin Height at Carry Position	440 (1' 5")	610 (2')
J Hinge Pin Height at Maximum Lift	3,940 (12' 11")	4,515 (14' 10")

Description	HL955A	HL955AXT
K Lift Arm Clearance at Maximum Lift	3,340 (10' 11")	3,905 (12' 10")
L Dump Clearance at Maximum Lift and 45° Discharge	2,785 (9' 2")	3,360 (11')
M Reach at Maximum Lift and 45° Discharge	1,180 (3' 10")	1,220 (4')
N Dump Angle at Maximum Lift and Dump (on Stops)	48	48
O Roll Back Angle	Ground	41
	Carry	47
P Clearance Circle (Diameter) to Outside of Tires	11,140 (36' 7")	11,140 (36' 7")
Q Clearance Circle (Diameter) to Inside of Tires	5,980 (19' 4")	5,980 (19' 4")
R Width Over Tires (Unloaded)	2,530 (8' 4")	2,530 (8' 4")
R1 Overall Width (with bucket)	2,740 (9')	2,740 (9')
S Tread Width	2,010 (6' 7")	2,010 (6' 7")

## HL955A OPERATING SPECIFICATIONS WITH BUCKETS

Linkage Bucket Type Edge Type		General Purpose Pin On		General Purpose Hook On	High Lift Linkage Change
		Bolt-On Cutting Edges	2 Piece Tooth & Segment	Bolt-On Cutting Edges	
Capacity - Rated	m³	2.8	2.8	2.8	-
	yd³	3.7	3.7	3.7	-
Capacity - Rated at 110% Fill Factor	m³	3.1	3.1	3.1	-
	yd³	4.0	4.0	4.0	-
Width	mm	2,740	2,810	2,740	-
	ft/in	9'	9' 3"	9'	-
Dump Clearance at Maximum Lift and 45° Discharge	mm	2,785	2,660	2,600	+575
	ft/in	9' 2"	8' 9"	8' 6"	1' 11"
Reach at Maximum Lift and 45° Discharge	mm	1,180	1,275	1,355	+40
	ft/in	3' 10"	4' 2"	4' 5"	+1.6"
Digging Depth	mm	85	85	85	+35
	ft/in	3"	3"	3"	+1.4"
Shipping Length (with Bucket)	mm	7,715	7,870	7,970	+595
	ft/in	25' 4"	25' 10"	26' 2"	+1' 11"
Overall Height with Bucket at Maximum Lift	mm	5,330	5,330	5,515	+575
	ft/in	17' 6"	17' 6"	18' 1"	+1' 11"
Loader Clearance Circle with Bucket at Carry Position	mm	12,550	12,720	12,700	+600
	ft/in	41' 2"	41' 9"	41' 8"	+1' 12"
Static Tipping Load, Straight (No Tire Deflection)*	kg	11,350	11,300	10,200	-1150
	lb	25,025	24,915	22,490	-2,535
Static Tipping Load, Articulated (No Tire Deflection)	kg	9,850	9,800	8,850	-1000
	lb	21,720	21,610	19,515	-2,200
Breakout Force	kg	14,370	14,370	11,980	+170
	lb	31,685	31,685	26,415	+375
Operating Weight*	kg	15,800	15,855	16,175	+690
	lb	34,835	34,955	35,660	+1,525

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

## HL955A/ HL955AXT BUCKET SELECTION CHART

Standard Lift Arm - General Purpose Bucket

Type	m³ (yd³)	Material Density [t/m³]															
		0.8 (1349)	0.9 (1517)	1.0 (1686)	1.1 (1854)	1.2 (2023)	1.3 (2191)	1.4 (2360)	1.5 (2528)	1.6 (2697)	1.7 (2865)	1.8 (3034)	1.9 (3203)	2.0 (3371)	2.1 (3540)	2.2 (3708)	2.3 (3877)
Bolt-On Cutting Edge	2.8 (3.7)	3.2 m³ (4.2 yd³)												2.7 m³ (3.5 yd³)			
Bolt-On-Teeth	2.8 (3.7)	3.2 m³ (4.2 yd³)												2.7 m³ (3.5 yd³)			
Cutting Edge (ISO Quick Coupler)	2.8 (3.7)	3.2 m³ (4.2 yd³)												2.7 m³ (3.5 yd³)			
High Lift Arm (XT) - General Purpose Bucket																	
Bolt-On Cutting Edge	2.8 (3.7)	3.2 m³ (4.2 yd³)								2.7 m³ (3.5 yd³)							
Bolt-On-Teeth	2.8 (3.7)	3.2 m³ (4.2 yd³)								2.7 m³ (3.5 yd³)							
Cutting Edge (ISO Quick Coupler)	2.8 (3.7)	3.2 m³ (4.2 yd³)								2.7 m³ (3.5 yd³)							

115% 100% 95%

ENGINE	STD	OPT
<b>ENGINE, CUMMINS, B6.7</b>		
3 Stage air precleaner	•	
Alternator, 95A	•	
Fuel warmer	•	
Engine oil level dipstick gauge	•	
Fuel / water separator	•	
VGT (Variable Geometry Turbo)	•	
<b>CLEAN EMISSION MODULE</b>		
DOC, DPF and SCR	•	
Active Emission Regeneration (No Manual Regeneration Required)		
Stage V Certified Emmissions	•	
EGR Free	•	
Automatic Regeneration	•	
<b>COOLING SYSTEM</b>		
Antifreeze	•	
Auto Reversing Fan (adjustable Time/ Interval Frequencies) w/ Manual Override	•	
Coolant Level Sight Gauge	•	
Fan guard	•	
Wide Fin Radiator	•	
<b>POWER TRAIN</b>		
<b>TRANSMISSION</b>		
Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kick-down features included	•	
Transmission oil sight level	•	
Wide Fin Transmission Oil Cooler	•	
<b>AXLE</b>		
Conventional (Rear)	•	
Hydraulic lock differential (Front)	•	
Limited slip differential (Front / Rear)		•
<b>BRAKE</b>		
Parking brake	•	
Service brake (Enclosed wet-disc)	•	
<b>TIRES</b>		
20.5 R25, ★★, L3	•	
20.5 R25, ★, XHA		•
20.5-25, 16PR, L3		•
20.5-25, 16PR, L5		•
<b>HYDRAULIC SYSTEM</b>		
Diagnostic pressure taps	•	
Hyundai Bio Hydraulic Oil (VG46)		•
Hydraulic oil level sight gauge	•	
Hydraulic Oil VG32		•
Hydraulic Oil VG46	•	
Wide Fin Hydraulic Oil Cooler	•	
<b>HYDRAULIC CONTROL</b>		
Fingertip		•
Joystick		•
<b>ELECTRO-HYDRAULIC CONTROL</b>		
Boom kickout, automatic	•	
Bucket positioner, automatic	•	
Extra piping for auxiliary function		•
Fingertip	•	
Joystick	•	
Quick coupler piping	•	
Ride control system	•	
<b>CAB &amp; INTERIOR</b>		
<b>ALARMS, AUDIBLE AND VISUAL</b>		
Air filter clogging	•	
Battery voltage	•	
Brake oil pressure	•	
DEF low level	•	
Engine coolant level	•	
Engine coolant temperature	•	
Engine oil pressure	•	
Fuel level	•	
Hydraulic oil temperature	•	
Parking brake	•	
Service brake oil pressure	•	
Seat belt ON/OFF	•	
Transmission error	•	
Transmission oil temperature	•	

CAB & INTERIOR	STD	OPT
<b>GAUGES</b>		
Diesel Exhaust Fluid (DEF) level	•	
Engine coolant temperature	•	
Fuel level	•	
Horn, electric	•	
Speedometer	•	
Transmission oil temperature	•	
<b>INDICATOR LIGHTS</b>		
Clutch Cut Off	•	
Differential Lock	•	
Engine auto stop	•	
FNR	•	
High beam	•	
Parking brake	•	
Pilot cut off	•	
Ride control	•	
Seat belt ON/OFF	•	
Turning light	•	
<b>LCD DISPLAY</b>		
Clock and fault code	•	
DEF level	•	
DEF low level	•	
Engine rpm	•	
Horn, electric	•	
Job time and distance	•	
Operating hour counter	•	
Transmission gear range	•	
<b>BATTERIES</b>		
850CCA, 12V, 2PCS	•	
<b>LIGHTING SYSTEM</b>		
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	•	
<b>SWITCHES</b>		
Battery master switch	•	
Differential Lock	•	
Emergency steering		•
FNR shifter	•	
Hazard	•	
Parking	•	
Pilot cut off	•	
<b>SYSTEM MEMORY SETTINGS</b>		
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	•	
<b>IGNITION</b>		
Key	•	
Push Start Button		•
<b>CAB (SOUND SUPPRESSED)</b>		
24V to 12V DC converter (20A)	•	
Coat hook	•	
Magazine pocket	•	
One door cab	•	
Radio / USB player	•	
Rear view mirrors (1 Inside)	•	
Rear view mirrors (2 Outside, heated)	•	

CAB & INTERIOR	STD	OPT
<b>CAB(SOUND SUPPRESSED)</b>		
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	•	
<b>DOOR</b>		
Door and cab locks, one key	•	
Doors, service access (Locking)	•	
Doors, service access (Remote control)		•
<b>AUTOMATIC CLIMATE CONTROL</b>		
Air conditioner & heater	•	
Defroster	•	
Intermittent wiper and washer, front and rear	•	
<b>SEAT</b>		
3" Retractable seat belt & adjustable air suspension (Heated)	•	
<b>PERSONAL STORAGE SPACE</b>		
Console box	•	
Holder, can and cup	•	
<b>PEDALS</b>		
Accel pedal without ECO switch	•	
Dual-brake pedal		•
One acceletator pedal	•	
One brake pedal	•	
<b>SAFETY</b>		
Alarm, back-up	•	
Boom safety lock		•
Emergency steering		•
Emergency stop	•	
Fire extinguisher		•
<b>OBJECT DETECTION</b>		
AAVM - All Around View Monitoring		•
IMOD (Intelligent Moving Object Detection)		•
RADAR + Secondary Morntor		•
<b>OTHERS</b>		
2nd Monitor		•
3 Spool MCV	•	
5 speed T/M with lockup clutch		•
Air Compressor		•
Auto Engine Shut Down	•	
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		•
<b>SAFETY</b>		
Handrails	•	
Ladders	•	
Platforms	•	
Steps	•	
<b>TELEMATICS</b>		
ECD (Engine Connected Diagnostics)	•	
Hi MATE	•	
<b>GUARDS</b>		
Belly-Pan Guard		•
Crankcase	•	
Fenders (Front)	•	
Fenders (Rear)		•
Transmission	•	

\* 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

**HYUNDAI**  
**CONSTRUCTION EQUIPMENT**

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

Printed in U.S.A.

1100-WL-SP 1/2021v8