

WHEEL LOADER

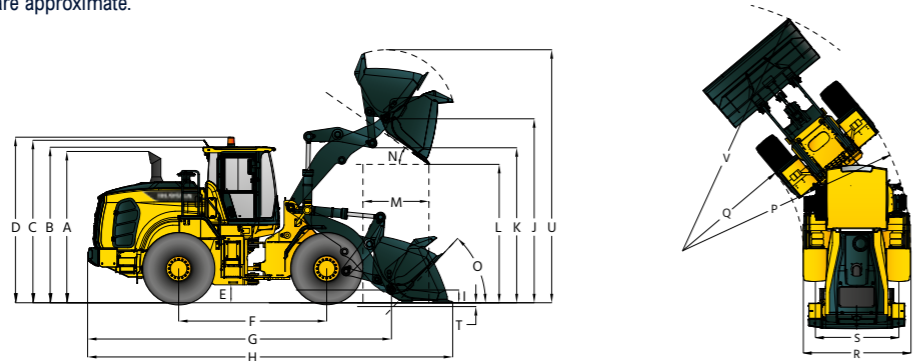
HL955A



DIMENSIONS

DIMENSIONS

All dimensions are approximate.



Description	HL955A		HL955AXT	
	mm	ft in	mm	ft in
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"
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	41	
	Carry	46	47	
P Clearance Circle (Diameter) to Outside of Tyres	11,140	36' 7"	11,140	36' 7"
Q Clearance Circle (Diameter) to Inside of Tyres	5,980	19' 4"	5,980	19' 4"
R Width Over Tyres (Unloaded)	2,530	8' 4"	2,530	8' 4"
S Tread Width	2,010	6' 7"	2,010	6' 7"

OPERATING SPECIFICATIONS WITH BUCKETS

Linkage Bucket 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	4.1	4.1	4.1	
Width	mm	2,740	2,810	2,740	-
	ft/in	9'	9' 3"	9'	
Dump Clearance at Maximum Lift & 45° Discharge	mm	2,785	2,660	2,600	+575
	ft/in	9' 2"	8' 9"	8' 6"	1' 11"
Reach at Maximum Lift & 45° Discharge	mm	1,180	1,275	1,355	+40
	ft/in	3' 10"	4' 2"	4' 5"	+2"
Digging Depth	mm	85	85	85	+35
	ft/in	3"	3"	3"	+1"
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	25,022	24,912	22,487	-2535
Static Tipping Load. Articulated (No Tire Deflection)	kg	9,850	9,800	8,850	-1000
	lb	21,716	21,605	19,511	-2205
Breakout Force	kg	14,370	14,370	11,980	+170
	lb	31,680	31,680	26,411	+375
Operating Weight*	kg	15,800	15,855	16,175	+690
	lb	34,830	34,950	35,660	+1521

* All height and tyre related dimensions are with standard 23.5 R25, L3 tyres.

DENSITY AND BUCKET SELECTION

DENSITY OF OPERATING MATERIALS

Loose Material		Material Density [ton / m³]
Earth / Clay		1.5 ~ 1.7
Sand and Gravel		1.5 ~ 1.7
Aggregate	25 ~ 76 mm (1 to 3 in)	1.6 ~ 1.7
	19 mm (0.75 in) and larger	1.8

HL955A / HL955AXT BUCKET SELECTION CHART

Standard Lift Arm - General Purpose Bucket																
Type	m³ (yd³)	Material Density [ton / 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)
Cutting edge	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					
2-Bolt on Tooth & Segment Edge	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					
Cutting Edge Q/C	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					
High lift arm (XT) - General Purpose Bucket																
Type	m³ (yd³)	Material Density [ton / 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)
Cutting edge	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					
2-Bolt on Tooth & Segment Edge	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					
Cutting Edge Q/C	2.8 (3.7)	3.2 m³ (4.2 yd³)									2.7 m³ (3.5 yd³)					



CHANGE IN OPERATING SPECIFICATIONS - TYRES

Tyres		20.5-25 16PR L5	20.5 R25 ★ XHA	20.5-25 16PR L3
Operating Weight	kg	+440	-52	-108
	lb	+970	-115	-238
Static Tipping Load. Straight (No Tyre Deflection)	kg	+280 (+230)	-35 (-30)	-70 (-60)
	lb	+617 (+507)	-77 (-66)	-154 (-240)
Static Tipping Load. Articulated (No Tyre Deflection)	kg	+240 (+200)	-30 (-25)	-60 (-50)
	lb	+529 (+441)	-66 (-55)	-132 (-110)
Vertical Height Changes	mm	+65	-7	-3
	ft/in	+3"	-0.3"	-0.1"
R. Width Over Tyres (Unloaded)	mm	+27	-6	-6
	ft/in	+1"	-0.2"	-0.2"
P. Clearance Circle (Diameter) to Outside of Tyres	mm	+27	-6	-6
	ft/in	+1"	-0.2"	-0.2"
Q. Clearance Circle (Diameter) to Inside of Tyres	mm	-27	+6	+6
	ft/in	-1"	+0.2"	+0.2"

** Dimension Changes Compared to 20.5R25, ★, L3 tires.

() : XT SPEC

SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS B 6.7 / EU Stage V
Type	6 cylinder, Watercooled, 4-cycle, turbocharged charge aircooled, direct injection, electronic controlled diesel engine
Aftertreatment System	DOC, DPF, SCR, VGT
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)	990 N·m (730 lb.ft) at 1.300 rpm
Displacement	6.7 l (408 cu in)
No. of Cylinders	6
Bore × Stroke	107 mm (4.21") x 124 mm (4.88")
Compression Ratio	17.3 : 1
Air Cleaner	Dry, Two stage dual elements
Alternator	24 V - 95 Amp
Battery	2 x 12V, 900 CCA
Starting Motor	24V - 5.5kw
- The indicated net power is available for the flywheel when the engine is equipped with a fan, alternator, air cleaner, and after-treatment device. - The indicated gross power is obtained with the fan at maximum speed.	

TRANSMISSION			
Torque converter type*		3-Elements, Single-stage, Single phase	
Type		20.5 R25, ★★, L3	
Travel speed		4 speed T/M	5 Speed T/M with lock up clutch
		km/h (mph)	km/h (mph)
Forward	1st	7.1 (4.4)	6.5 (4.0)
	2nd	11.7 (7.3)	11.4 (7.1)
	3rd	23.6 (14.7)	17.6 (10.9)
	4th	39.2 (24.4)	27.3 (17.0)
	5th	-	40.0 (24.9)
Reverse	1st	7.4 (4.6)	6.9 (4.3)
	2nd	12.3 (7.6)	12.0 (7.5)
	3rd	24.9 (15.5)	28.8 (17.9)

* Full automatic power shift, countershaft type with soft-shift in range and direction. Properly matched torque converter to engine and transmission for excellent working ability

AXLES	
Drive system	Four-wheel drive system
Front	Fixed
Rear	Oscillating ±11 degrees
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	23.334

TYRES	
Type	Tubeless, loader design tyres
Standard	20.5 R25, ★★, L3
Options include	20.5 R25, ★, XHA 20.5-25, 16PR, L3 20.5-25, 16PR, L5

OVERVIEW		
Description	HL955A	HL955AXT
Operating weight	15800 kg (34830 lb)	16490 kg (36350 lb)
Bucket capacity	Heaped	2.8 m³ (3.7 yd³)
	Struck	2.4 m³ (3.1 yd³)
Breakout force-bucket	14370 kg (31680 lb)	14540 kg (32055 lb)
Tipping load	Straight	11350 kg (25022 lb)
	Full turn	9850 kg (21716 lb)

CABIN	
ROPS / FOPS Cabin Meet ISO 3471 and ISO 3449	

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.

HYDRAULIC SYSTEM		
Type	Load sensing hydraulic system	
Maximum Pump Output	185 l/min (48.8 gal/min) at 2.200 rpm	
Maximum Operating Pressure	280 bar (3,980 psi)	
Control Valve	2 Spool (Bucket, Boom) 3 Spool (Bucket, Boom, Aux)	
Lift Circuit	The valve has four functions; Raise / Hold / Lower / Float Can adjust automatic kickout from horizontal to full lift.	
Tilt Circuit	The valve has three functions; Tilt back / Hold / Dump Can adjust automatic bucket positioner to desired load angle.	
Hydraulic Cycle Time with Rated Payload	Raise from Carry Position: 5.5 Sec.	
	Dump, at maximum raise: 2.0 Sec.	
	Lower, empty, float down: 3.9 Sec	
	Total: 11.4 Sec.	
Cylinder	Type: double acting	
	No. of cylinders-bore × stroke	
	Lift	2-125 × 745 mm (2-4.9" × 29.3")
	HL955A Tilt	1-140 × 560 mm (1-5.5" × 1' 10")
HL955A XT Tilt	1-140 × 585 mm (1-5.5" × 1' 11")	

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

* Hyundai Bio Hydraulic Oil (HBHO) available.

SERVICE REFILL CAPACITIES		
UNIT	l	US gal
Fuel tank	230	60.8
DEF tank	37	8.7
Cooling system	42	11.2
Crankcase	18	4.8
Transmission	33	8.7
Front axle	32	8.5
Rear axle	32	8.5
Hydraulic tank	110	29.1
Hydraulic system (Including tank)	200	52.8

SOUND	
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)

CABIN & INTERIOR	STD
ALARMS, AUDIBLE AND VISUAL	
Air Filter Clogging	●
Transmission Error	●
Battery Voltage	●
Brake Oil Pressure	●
Engine Oil Pressure	●
Fuel Level	●
Hydraulic Oil Temperature	●
Engine Coolant Temperature	●
Transmission Oil Temperature	●
Service Brake Oil Pressure	●
Engine Coolant Level	●
Water In Fuel	●
Maintenance Cycle	●
Alarm, Back-Up	●
Horn, Electric	●
Engine Stop	●
BATTERIES	
900 CCA, 12 V, 2 PCS	●
GAUGES	
Engine Coolant Temperature	●
Fuel Level	●
Speedometer	●
Transmission Oil Temperature	●
INDICATOR LIGHTS	
Parking Brake	●
High Beam	●
Turn Signal	●
Joystick Steering Pilot Lamp	●
FNR	●
Pilot Cut Off	●
Engine Auto Stop	●
Ride Control	●
Seat Belt	●
Differential Lock	●
LCD DISPLAY	
Clock And Fault Code	●
Operating Hour Counter	●
DEF Level	●
Engine rpm	●
Transmission Gear Range	●
Indicator	●
Job Time and Distance	●
Temperature (Coolant, hydraulic oil, T/M oil)	●
LIGHTING SYSTEM	
LED Dome Light	●
2 Stop and Tail Lights	●
4 Turn Signals	●
Brake Lights (Counterweight)	●
2 LED Rear Combi Lamp	●
2 Head Lights on Front Tower	●
2 LED Head Light	●
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	
Hazard	●
DPF	●
Engine Hood Open	●
Parking	●
Battery Master Switch	●
FNR Shifter	●
Differential Lock Foot Switch	●
Emergency Steering	●
Pilot Cut Off	●
Air Compressor	●

CABIN & INTERIOR	STD
IGNITION	
Key	●
Button	
MEMBRANE SWITCHES IN MONITOR	
Main Light	●
Work Light	●
Auto Grease	●
Quick Coupler	●
Ride Control	●
Weighing System	●
Beacon Light	●
Rear Wiper	●
Mirror Heat	●
Auto Position	●
Fine Modulation	●
Cam	●
CABIN (SOUND SUPPRESSED)	
Cigar Lighter & Ashtray	●
Coat Hook	●
AUTOMATIC CLIMATE CONTROL	
Air Conditioner & Heater	●
Defroster	●
Intermittent Wiper and Washer, Front and Rear	●
SEAT	
2" Retractable Seat Belt & Adjustable Mechanical Suspension (Heated)	●
2" Retractable Seat Belt & Adjustable Air Suspension (Heated)	●
PERSONAL STORAGE SPACE	
Console Box	●
Holder, Can and Cup	●
Rear View Mirrors (1 Inside)	●
Rear View Mirrors (2 Outside, Heated)	●
Steering Column, Tilt and Telescopic	●
Steering Wheel With Knob	●
Roller Type Sunshade (Front Window)	●
Roller Type Sunshade (Rear Window)	●
Tinted Safety Glass	●
One Door Cabin	●
Magazine Pocket	●
PEDALS	
One Accelerator Pedal	●
One Brake Pedal	●
Dual-Brake Pedal	●
Accel Pedal Without ECO Switch	●
Accel Pedal with ECO Switch	●
Radio / USB Player	●
Rubber Floor Mat	●
Wrist Rest	●
24 V to 12 V DC Converter (20 A)	●

ENGINE	STD
Alternator, 95A	●
Antifreeze	●
ENGINE, CUMMINS, B6.7	
Stage V	●
Engine Enclosure, Lockable	●
Fan Guard	●
Engine Fuel Priming Pump	●
Fuel / Water Separator	●
CLEAN EMISSION MODULE	
DOC, SCR and DPF	●
Rain Cap, Engine Air Intake	●
Radiator	●
Fuel Warmer	●
Coolant Level Sight Gauge	●
Engine Oil Level Dipstick Gauge	●
Centrifugal Air Precleaner	●

TELEMATICS	STD
Hi-MATE	●
ECD (Engine Connected Diagnostics)	●

POWER TRAIN	STD
Service Brake (Enclosed Wet-Disk)	●
Parking Brake	●
Torque Converter	●
Transmission F4 / R3, computer controlled, electronic soft shift, auto-shift and kick-down features included	●
Transmission F5 / R3 with Lock-Up Clutch	●
Transmission Oil Sight Level	●
Transmission Oil Cooler	●
Transmission Oil Cooler with Thermostat	●
Axle Cooling System	●
FRONT AXLE	
Hydraulic Lock Differential	●
Limited Slip Differential	●
Open Differential	●
REAR AXLE	
Limited Slip Differential	●
Open Differential	●
TYRES	
20.5 R25, ★★, L3	●
20.5 R25, XHA2	●
20.5-25, 16PR, L3	●
Travel Speed Limiter (20-40 km/h)	●

HYDRAULIC SYSTEM	STD
Boom Kickout, Automatic	●
Bucket Positioner, Automatic	●
Diagnostic Pressure Taps	●
Hydraulic Oil Cooler	●
EH CONTROL (JOYSTICK)	●
EH Control (Fingertip)	●
EH Joystick Steering	●
Ride Control System	●
Secondary Steering System	●
Extra Piping-For Auxiliary Function	●
Quick Coupler Piping	●
Auto Grease System	●
MCV 2 circuits	●
MCV 3 circuits	●
Hyundai Bio Hydraulic Oil (HBHO)	●

SAFETY	STD
Beacon Light, Rotating (LED)	●
Emergency Steering	●
Rear View Camera	●
AAVM (AVM + IMOD)	●
Secondary Monitor	●
Radar	●
ROPS / FOPS Cabin	●
Boom Safety Bar	●

OTHER	STD
Articulation Locking Bar	●
Counterweight	●
Optional Counterweight	●
Remote cabin door	●
Door and Cabin Locks, One Key	●
Doors, Service Access (Locking)	●
Doors, Service Access (Remote Control)	●
Drawbar With Pin	●
ERGONOMICALLY LOCATED AND SLIP RESISTANT, LEFT & RIGHT	
Handrails	●
Ladders	●
Platforms	●
Steps	●
Fenders (Front / Rear)	●
Hydraulic Oil Level Sight Gauge	●
Lift and Tie-Down Hooks	●
Loader Linkage, Sealed	●
PZ-Bar Design	●
Long Boom	●
Vandalism Protection Caplocks	●
Tool Kit	●
2.8m³ Bucket Tooth, 2 Pieces, Bolt-on Type	●
2.8m³ Bucket Cutting Edge, Bolt-on Type	●
2.8m³ Bucket Cutting Edge, ISO QC	●
ISO type Quick Coupler	●
GUARDS	
Crankcase	●
Transmission	●
Cabin Glass (Front / Rear)	●
Mud Guard	●

- 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.