

WHEEL LOADER
HL975A CVT



SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS / X12 EU Stage V
Type	6 cylinder, watercooled, 4-cycle, turbocharged charge aircooled, direct injection, electronic controlled diesel engine
Aftertreatment technology	Wastegate turbocharger DOC/ DPF/ SCR
Gross Power (SAE J1995)	335 HP (250 kW) at 2,100 rpm
Net Power (SAE J1349)	331 HP (247 kW) at 2,100 rpm
Max. Power	381 HP (284 kW) at 1,700 rpm
Peak Gross Torque (SAE J1995)	1,765 Nm (1,302 lb.ft) at 1,400 rpm
Displacement	11.8 L (720 cu in)

TRANSMISSION	
Type	CVT Continuously Variable Transmission
Hydraulic Module	1 Pump / 1 Motor double yoke piston type
Travel speed	Virtual gears (default) km/h (mph)
Forward	1st 7.0 (4.3)
	2nd 11.0 (6.8)
	3rd 26.0 (16.1)
	4th 36.0 (22.4)
Reverse	1st 7.0 (4.3)
	2nd 11.0 (6.8)
	3rd 26.0 (16.1)

AXLES	
Drive System	Four-wheel drive system
Mount	Fixed
Rear Axle Oscillation	Oscillating ±11 degrees
Hub Reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction Ratio	27.0

OVERVIEW		
Description	HL975A CVT	HL975A CVT XT
Operating weight	26,500 kg (58,425 lb)	27,295 kg (60,180 lb)
Bucket capacity	Heaped 4.8 m³ (6.3 yd³)	4.8 m³ (6.3 yd³)
	Struck 4.1 m³ (5.3 yd³)	4.1 m³ (5.3 yd³)
Breakout force-bucket	23,435 kg (51,670 lb)	23,290 kg (51,360 lb)
Tipping load	Straight 19,800 kg (43,655 lb)	18,110 kg (39,905 lb)
	Full turn 17,200 kg (37,920 lb)	15,600 kg (34,395 lb)

TYRES	
Type	Tubeless, loader design tires
Standard	26.5R25, ★★, L3
Option	26.5R25, ★, XHA

BRAKES	
Service Brakes	Hydraulically actuated, wet sinter 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.

CABIN	
ROPS / FOPS meet ISO 3471 and ISO 3449	

HYDRAULIC SYSTEM	
Type	Load sensing hydraulic system
Pump	Variable displacement piston pump 376 lpm
Control Valve	2 Spool (Bucket, Boom), standard 3 Spool (Bucket, Boom, Aux), optional
System Pressure	280 bar
Lift Circuit	The valve has four functions: Raise / Hold / Lower / Float Adjustable automatic kickout lifting and lowering position.
Tilt Circuit	The valve has three functions: Tilt back / Hold / Dump Adjustable automatic bucket positioner to desired load angle.
Cylinder	Type: double acting
	No. of cylinders-bore × stroke
	Lift 2-170 × 795 mm 2-6.7" × 2' 7.3"
	HL975A CVT Tilt 1-190 × 565 mm 1-7.5" × 1' 10.2"
HL975A CVT XT Tilt	1-190 × 585 mm 1-7.5" × 1' 11.0"
Cycle Time	Raise : 6.5 Sec. / Dump : 1.9 Sec. Lower : 4.4 Sec. / Total : 12.8 Sec.

* Hyundai Bio Hydraulic Oil (HBHO) available

STEERING SYSTEM	
Type	Load sensing hydrostatic articulated steering
Pump	Variable displacement piston pump 216 lpm
System Pressure	210 bar
Cylinder	Double acting 2-100 × 467 mm 2-3.9" × 1' 6.4"
Steering Angle	40° to both right and left angle, respectively
Features	Center-point frame articulation. Tilt and telescopic steering column.

SERVICE REFILL CAPACITIES		
UNIT	l	US gal
Fuel tank	400	105.7
DEF tank	44.5	11.8
Cooling system	45.5	12.0
Engine oil	34	9.0
Transmission	62	16.4
Front axle	62	16.4
Rear axle	42	11.1
Hydraulic tank	166	43.9
Hydraulic system (including tank)	300	79.3

AIR CONDITIONING SYSTEM	
The air conditioning system of this machine contains fluorinated greenhouse gas refrigerant R134a (GWP = 1430). The system contains 0.75 kg of refrigerant (1.07 metric tonne CO2 equivalent).	

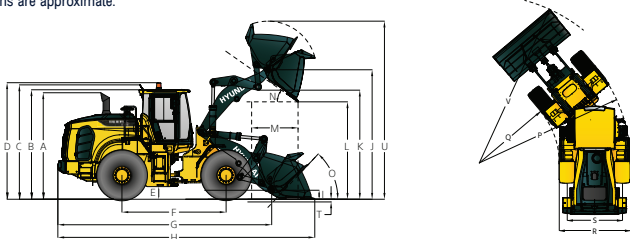
SOUND	
Guaranteed noise level presented below can be differed depending on a range of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in the improperly maintained cabin or ex- posed to a noisy environment 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)	108 dB(A)

* Distance of 15 m (49.2 ft), moving forward in second gear ratio.

DIMENSIONS

DIMENSIONS

All dimensions are approximate.



Description		HL975A CVT		HL975A CVT XT	
		mm	ft.in	mm	ft.in
A	Height to Top of Exhaust Pipe	3,620	11' 11"	3,620	11' 11"
B	Height to Top of Cabin	3,590	11' 9"	3,590	11' 9"
C	Height to Top of Product Link Antenna	3,665	12' 0"	3,665	12' 0"
D	Height to Top of Warning Beacon	3,720	12' 2"	3,720	12' 2"
E	Ground Clearance	460	1' 6"	460	1' 6"
F	Wheelbase	3,550	11' 8"	3,550	11' 8"
G	Overall Length (Without Bucket)	7,780	25' 6"	8,215	26' 11"
H	Shipping Length (With Bucket Level on Ground)	9,205	30' 2"	9,640	31' 8"
I	Hinge Pin Height at Carry Position	520	1' 8"	635	2' 1"
J	Hinge Pin Height at Maximum Lift	4,425	14' 6"	4,790	15' 9"
K	Lift Arm Clearance at Maximum Lift	3,755	12' 4"	4,105	13' 6"
L	Dump Clearance at Maximum Lift and 45° Discharge	3,120	10' 3"	3,465	11' 5"
M	Reach at Maximum Lift and 45° Discharge	1,335	4' 5"	1,420	4' 8"
N	Dump Angle at Maximum Lift and Dump (on Stops)	48			
O	Roll Back Angle	Ground	43		
		Carry	48	49	
P	Clearance Circle (Diameter) to Outside of Tyres	13,045	42' 10"	13,045	42' 10"
Q	Clearance Circle (Diameter) to Inside of Tyres	6,965	22' 10"	6,965	22' 10"
R	Width Over Tyres (Unloaded)	2,975	9' 9"	2,975	9' 9"
S	Tread Width	2,300	7' 7"	2,300	7' 7"

OPERATING SPECIFICATIONS WITH BUCKETS						
Linkage		Standard Linkage				High Lift Linkage
Bucket Type		General Purpose - Pin On			General Purpose - Hook On	
Edge Type		Bolt-On Cutting Edges		1 Piece Tooth	2 Piece Tooth	Bolt-On Cutting Edges
Capacity – Rated	m³	4.80	5.20	4.60	5.00	4.80
	yd³	6.30	6.80	6.00	6.50	6.30
Capacity – Rated at 110% Fill Factor	m³	5.28	5.72	5.06	5.50	5.28
	yd³	6.90	7.50	6.60	7.20	6.90
Width	mm	3,250	3,250	3,300	3,320	3,250
	ft/in	10' 8"	10' 8"	10' 10"	10' 11"	10' 8"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3,120	3,075	2,995	2,960	2,915
	ft/in	10' 3"	10' 1"	9' 10"	9' 8"	9' 7"
Reach at Maximum Lift and 45° Discharge	mm	1,335	1,365	1,420	1,445	1,495
	ft/in	4' 5"	4' 7"	4' 8"	4' 10"	4' 11"
A'. Digging Depth	mm	100	100	125	135	100
	ft/in	0' 4"	0' 4"	0' 5"	0' 5"	0' 4"
Shipping Length (with Bucket)	mm	9,205	9,270	9,355	9,420	9,465
	ft/in	30' 2"	30' 5"	30' 8"	30' 11"	31' 1"
B'. Overall Height with Bucket at Maximum Lift	mm	6,090	6,225	6,090	6,225	6,290
	ft/in	19' 12"	20' 5"	19' 12"	20' 5"	20' 8"
C'. Loader Clearance Circle with Bucket at Carry Position	mm	14,730	14,780	14,880	14,930	14,980
	ft/in	48' 4"	48' 6"	48' 10"	48' 12"	48' 2"
Static Tipping Load, Straight (No Tyre Deflection)	kg	19,800	19,520	20,080	19,800	19,900
	lb	43,655	43,035	44,270	43,655	39,465
Static Tipping Load, Articulated (No Tyre Deflection)	kg	17,200	16,950	17,450	17,200	15,600
	lb	37,920	37,370	38,475	37,920	34,395
Breakout Force	kg	23,435	22,425	24,725	23,590	23,590
	lb	51,670	49,440	54,510	52,010	52,010
Operating Weight*	kg	26,500	26,625	26,395	26,520	26,520
	lb	58,425	58,700	58,195	58,470	58,470

* All height and tyre related dimensions are with standard 26.5R25, ★★, L3 tyres

DENSITY AND BUCKET SELECTION

DENSITY OF OPERATING MATERIALS		
Loose Material		Possible Bucket Fill [%]
Earth / Clay		~110
Sand and Gravel		~105
Aggregate	25 ~ 76 mm (1" to 3 in)	~100
	19 mm (0.75 in) and larger	

HL975A CVT BUCKET SELECTION CHART																								
Standard Lift Arm - General Purpose Bucket																								
Type	m ³ (yd ³)	Material Density [ton / m ³]																						
		0.8 (1,349)	0.9 (1,517)	1.0 (1,686)	1.1 (1,854)	1.2 (2,023)	1.3 (2,191)	1.4 (2,360)	1.5 (2,528)	1.6 (2,697)	1.7 (2,865)	1.8 (3,034)	1.9 (3,203)	2.0 (3,371)	2.1 (3,540)	2.2 (3,708)	2.3 (3,878)	2.4 (4,046)	2.5 (4,215)					
Cutting edge	4.8 (6.28)	5.5 m ³ (7.19 yd ³)												4.6 m ³ (6.02 yd ³)										
	5.2 (6.80)	6.0 m ³ (7.85 yd ³)												4.9 m ³ (6.41 yd ³)										
1 pc Bolt on tooth	4.6 (6.02)	5.3m ³ (6.93 yd ³)													4.4 m ³ (5.75 yd ³)									
	5.0 (6.54)	5.8 m ³ (7.59 yd ³)													4.8 m ³ (6.23 yd ³)									
2 pc Bolt on tooth	4.6 (6.02)	5.3 m ³ (6.93 yd ³)													4.4 m ³ (5.75 yd ³)									
	5.0 (6.54)	5.8 m ³ (7.59 yd ³)													4.8 m ³ (6.23 yd ³)									
Cutting edge, QC	4.8 (6.30)	5.5 m ³ (7.19 yd ³)												4.6 m ³ (6.02 yd ³)										
High Lift Arm (XT) - General Purpose Bucket																								
Type	m ³ (yd ³)	Material Density [ton / m ³]																						
		0.8 (1,349)	0.9 (1,517)	1.0 (1,686)	1.1 (1,854)	1.2 (2,023)	1.3 (2,191)	1.4 (2,360)	1.5 (2,528)	1.6 (2,697)	1.7 (2,865)	1.8 (3,034)	1.9 (3,203)	2.0 (3,371)	2.1 (3,540)	2.2 (3,708)	2.3 (3,878)	2.4 (4,046)	2.5 (4,215)					
Cutting edge	4.8 (6.28)	5.5 m ³ (7.19 yd ³)												4.6 m ³ (6.02 yd ³)										
	5.2 (6.80)	6.0 m ³ (7.85 yd ³)												4.9 m ³ (6.41 yd ³)										
1 pc Bolt on tooth	4.6 (6.02)	5.3m ³ (6.93 yd ³)													4.4 m ³ (5.75 yd ³)									
	5.0 (6.54)	5.8 m ³ (7.59 yd ³)													4.8 m ³ (6.23 yd ³)									
2 pc Bolt on tooth	4.6 (6.02)	5.3 m ³ (6.93 yd ³)													4.4 m ³ (5.75 yd ³)									
	5.0 (6.54)	5.8 m ³ (7.59 yd ³)													4.8 m ³ (6.23 yd ³)									
Cutting edge, QC	4.8 (6.30)	5.5 m ³ (7.19 yd ³)												4.6 m ³ (6.02 yd ³)										



CABIN & INTERIOR	STD
ALARMS, AUDIBLE AND VISUAL	
Central warning lamp	•
Engine coolant temperature	•
Transmission oil temperature	•
Hydraulic oil temperature	•
Fuel level	•
Transmission error	•
Air filter clogging	•
Engine oil pressure	•
Battery voltage	•
Brake oil pressure	•
Engine stop	•
Engine coolant level	•
INDICATOR LIGHTS	
Parking brake	•
High beam	•
Joystick steering	•
FNR	•
Differential Lock	•
Pilot cut off	•
Turning light	•
Seat belt ON/OFF	•
Engine auto stop	•
Clutch Cut Off	•
Ride control	•
LCD DISPLAY	
DEF level	•
DEF low level	•
Transmission gear range	•
Clock and fault code	•
Job time and distance	•
Operating hour counter	•
Engine rpm	•
GAUGES	
Engine coolant temperature	•
Fuel level	•
Transmission oil temperature	•
Speedometer	•
BATTERIES	
1315 CCA, 12 V, 2 pcs	•
LIGHTING SYSTEM	
LED interior cabin light	•
4 Turn signals	•
2 Stop and tail lights	•
2 Stop and tail lights (LED)	•
2 Head lights on front frame	•
2 Head lights (LED) on front frame	•
2 Working lights on front cabin roof	•
4 Working lights on front cabin roof	•
2 Working lights on rear cabin roof	•
4 Working lights (LED) on front cabin roof	•
2 Working lights (LED) on rear cabin roof	•
2 Working lights on rear grill	•
2 Working lights (LED) on rear grill	•
IGNITION	
Standard Key	•
Smart key with start/stop button	•
SWITCHES	
Hazard	•
DPF	•
Engine hood open	•
Parking brake	•
Battery master switch	•
FNR shifter	•
Differential Lock foot switch	•
Emergency steering	•
Pilot cut off	•
Air compressor	•
Horn, electric	•
MEMBRANE SWITCHES IN MONITOR	
Main light	•
Work light	•
Auto grease	•
Quick coupler	•
Ride control	•
Weighing System	•
Beacon light	•
Rear wiper	•
Mirror heat	•
Auto position (boom/ bucket)	•
Fine modulation	•
Rear view camera activation	•

CABIN & INTERIOR	STD
CABIN (SOUND SUPPRESSED)	
ROPS/ FOPS Cabin	•
Cigar lighter & ashtray	•
Coat hook	•
Rear view mirror (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	•
1 cabin door (LH)	•
Magazine pocket	•
Radio / USB player with Bluetooth	•
Rubber floor mat	•
Wrist rest	•
24 V to 12 V DC converter (20 A)	•
DOOR	
Door and cabin locks, standard key	•
Doors, service access (Locking)	•
Doors, service access (Remote opener)	•
Remote cabin door opener system	•
AUTOMATIC CLIMATE CONTROL	
Air conditioner & heater	•
Defroster	•
Intermittent wiper and washer, front and rear	•
SEAT	
Air suspended, heated seat	•
Mechanical suspended, heated seat	•
PERSONAL STORAGE SPACE	
Console box	•
Holder, can and cup	•
PEDALS	
Single brake pedal	•
Accel pedal without ECO switch	•
Accel pedal with ECO switch	•
ENGINE	
Alternator, 110A	•
Antifreeze	•
Fuel warmer	•
Fan guard	•
Rain cap, engine air intake	•
Coolant level sight gauge	•
Centrifugal air precleaner	•
Radiator wide core	•
ENGINE, CUMMINS, X12	
EU STAGE V / EPA TIER 4 FINAL	•
Engine fuel priming pump	•
Fuel / water separator	•
Engine oil level dipstick gauge	•
CLEAN EMISSION MODULE	
DOC, SCR, DPF	•
POWER TRAIN	
TRANSMISSION	
CVT (Power Split Type)	•
Transmission oil sight level	•
BRAKE	
Service brake (Enclosed wet-disc)	•
Parking brake	•
FRONT AXLE	
Hydraulic lock differential	•
Open differential	•
Limited Slip differential	•
REAR AXLE	
Open differential	•
Limited Slip differential	•
Dual axle cooling system	•
TYRES	
26.5 R25, **, L3	•
26.5 R25, *, XHA	•

SAFETY	STD
Boom safety bar	•
Emergency steering	•
OBJECT DETECTION	
IMOD (Intelligent Moving Object Detection)	•
AAVM (Advanced Around View Monitoring)	•
Secondary Monitor	•
Radar	•
TELEMATICS	
Hi MATE	•
ECD (Engine Connected Diagnostics)	•
HYDRAULIC SYSTEM	
MCV 2 spools (boom/ bucket)	•
MCV 3 spools (boom/ bucket/ aux)	•
Boom positioning system (automatic)	•
Bucket positioning system (automatic)	•
Diagnostic pressure taps	•
Hydraulic Oil Level Sight Gauge	•
EH Control (Joystick)	•
EH Control (Fingerlip)	•
EH Joystick steering	•
Ride control system	•
Secondary steering system	•
Extra piping-for auxiliary function	•
Quick coupler piping	•
Auto Greasing	•
Hyundai Bio Hydraulic Oil (HBHO)	•
OTHER	
Articulation locking bar	•
Lift and tie-down hooks	•
Loader linkage, sealed	•
Z-Kinematics	•
Extended Boom (Highlift)	•
ISO type quick coupler	•
Vandalism protection caplocks	•
Tool kit	•
BUCKET	
4.8 m³ Bucket Tooth, Cutting edge	•
5.2 m³ Bucket Tooth, Cutting edge	•
4.6 m³ Bucket 1 Piece Tooth	•
5.0 m³ Bucket 1 Piece Tooth	•
4.6 m³ Bucket 2 Piece Tooth	•
5.0 m³ Bucket 2 Piece Tooth	•
4.8 m³ Bucket Tooth, Cutting edge	•
ISO type QC	•
COUNTERWEIGHT	
Counterweight	•
Counterweight - Heavy weight	•
Drawbar with pin	•
ACCESS	
Handrails (LH/ RH) ergonomic located	•
Ladders (LH/ RH) slip resistant	•
Platforms (LH/ RH) slip resistant	•
Steps ergonomic located, slip resistant	•
GUARDS	
Transmission	•
Fenders (Front / Rear)	•
Mud Guard	•
Cabin glass (Front / Rear)	•

* 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.



Specifications and design are subject to change without notice. Pictures of Hyundai Construction Equipment Europe products may show other than standard equipment.

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