

# SPECIFICATIONS

# HL975

ENGINE		
Engine / Model	Cummins / QSG12	
Maximum Gross Power ( 2,100 rpm)		
SAE J1995	250 kW	335 hp
Maximum Net Power (2,100 rpm)		
SAE J1349	247 kW	331 hp
Peak Gross Torque (1,400 rpm)		
SAE J1995	1765 N·m	1,302 lbf·ft
Maximum Net Torque (1,400 rpm)		
SAE J1349	1746 N·m	1,287 lbf·ft
Bore	132 mm	5.20 in
Stroke	144 mm	5.67 in
Displacement	11.8 ℓ	720 in <sup>3</sup>

- 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					
Travel speed		4 speed T/M		5 speed T/M with lock up clutch	
		km/h	mph	km/h	mph
Forward	1st	6.6	4.1	6.5	4
	2nd	11	6.8	11	6.8
	3rd	24.6	15.3	17.6	10.9
	4th	36.5	22.7	25.2	15.7
	5th	-	-	40	24.9
Reverse	1st	6.6	4.1	6.5	4
	2nd	11	6.8	11	6.8
	3rd	24.6	15.3	25.2	15.7

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

AXLES	
Front	Fixed
Rear	Oscillating ±11 degrees

OVERVIEW				
Description	UNIT	HL975	HL975XT	
Operating weight	kg	26,500	27,295	
	lb	58,420	60,175	
Bucket capacity	Heaped	m <sup>3</sup>	4.8	4.8
		yd <sup>3</sup>	6.3	6.3
	Struck	m <sup>3</sup>	4.1	4.1
		yd <sup>3</sup>	5.3	5.3
Breakout force-bucket	kg	23,435	23,295	
	lb	51,665	51,355	
Tipping load	Straight	kg	20,000	18,300
		lb	44,090	40,340
	Full turn	kg	17,300	15,700
		lb	38,140	34,610

TIRES	
Type	Tubeless, loader design tires
Standard	26.5 R25, L3
Options include	26.5, R25, XHA2 26.5-25, 28PR, L3 26.5-25, 32PR, L3

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, hydraulic released brake
Emergency Brake	When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

HYDRAULIC SYSTEM		
Implement Pump Type	Load sensing hydraulic system	
Implement System		
Maximum Pump Output (2,130 rpm)	353 ℓ/min	93.2 gal/min
Maximum Operating Pressure	28000 kPa	4,061 psi
Hydraulic Cycle Time with Rated Payload	Raise from Carry Position 5.9 Sec.	
	Dump, at Maximum Raise 1.7 Sec.	
	Lower, Empty, Float Down 3.9 Sec.	
	Total	11.5 Sec.
Cylinder	Type : Double acting	
	No. of cylinders-bore x stroke;	
	Lift	mm 2-170 x 795 in 2-6.7 x 31.3
	HL975 Tilt	mm 1-190 x 565 in 1-7.5 x 22.2
	HL975XT Tilt	mm 1-190 x 585 in 1-7.5 x 23.0

STEERING SYSTEM	
Type	Load sensing hydrostatic articulated steering
Pump	Variable displacement piston pump, 211 ℓ / min (55.7 gal / min)
System Pressure	21000 kPa
	3,046 psi
Cylinder	Double acting
	mm 2-100 x 468 in 2-3.9 x 18.4
Steering Angle	40° to both right and left angle, respectively

SERVICE REFILL CAPACITIES		
UNIT	ℓ	Us gal
Fuel tank	400	105.6
DEF tank	56.8	15.0
Cooling system	46.0	12.2
Crankcase	34.0	9.0
Transmission	48.0	12.7
Front axle	51.0	13.5
Rear axle	40.0	10.6
Hydraulic tank	166	43.9
Hydraulic system (including tank)	300	79.3

CAB	
ROPS / FOPS meet ISO 3471 and ISO 3449 Level II standards	

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)	73 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	108 dB(A)

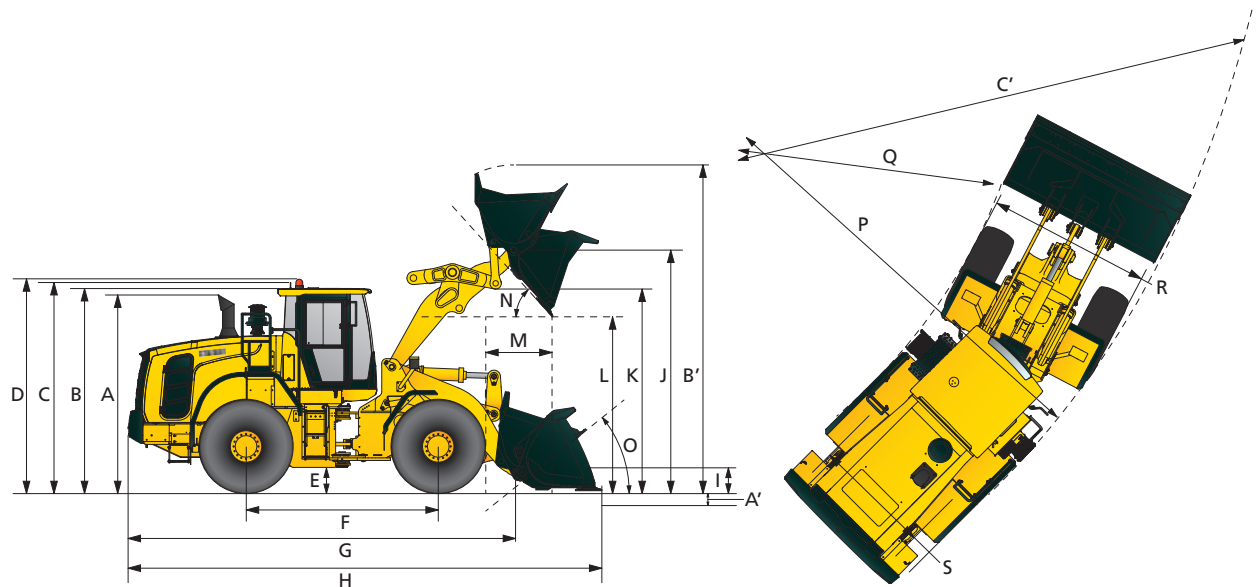
\* Distance of 15 m (49.2 ft), moving forward in second gear ratio.

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## DIMENSIONS

All dimensions are approximate.



Description	HL975		HL975XT	
	mm	in	mm	in
A. Height to Top of Exhaust Pipe	3515	138	3515	138
B. Height to Top of Cabin	3590	141	3590	141
C. Height to Top of Product Link Antenna	3990	157	3990	157
D. Height to Top of Warning Beacon	3720	146	3720	146
E. Ground Clearance	460	18.1	460	18.1
F. Wheelbase	3550	140	3550	140
G. Overall Length (without bucket)	7780	306	8215	323
H. Shipping Length (with bucket level on ground)	9205	362	9640	380
I. Hinge Pin Height at Carry Position	520	20.5	635	25.0
J. Hinge Pin Height at Maximum Lift	4425	174	4790	189
K. Lift Arm Clearance at Maximum Lift	3755	148	4105	162
L. Dump Clearance at Maximum Lift and 45° Discharge	3120	123	3485	137
M. Reach at Maximum Lift and 45° Discharge	1335	52.6	1420	55.9
N. Dump Angle at Maximum Lift and Dump (on stops)	48	1.9	48	1.9
O. Roll Back Angle	Ground	43	43	1.7
	Carry	48	49	1.9
P. Clearance Circle (diameter) to Outside of Tires	13510	532	13510	532
Q. Clearance Circle (diameter) to Inside of Tires	7395	291	7395	291
R. Width over Tires (unloaded)	2980	117	2980	117
S. Tread Width	2300	90.6	2300	90.5

· A', B', C' are indicated on the next page

# SPECIFICATIONS

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OPERATING SPECIFICATIONS WITH BUCKETS								
Linkage		Standard Linkage						High Lift Linkage
Bucket Type		General Purpose - Pin On						
Edge Type		Bolt-On Cutting Edges		1 Piece Tooth		2 Piece Tooth		
Capacity - Rated	m <sup>3</sup>	4.80	5.20	4.60	5.00	4.60	5.00	-
	yd <sup>3</sup>	6.28	6.80	6.02	6.54	6.02	6.54	-
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	5.28	5.72	5.06	5.50	5.06	5.50	-
	yd <sup>3</sup>	6.91	7.48	6.62	7.19	6.62	7.19	-
Width	mm	3250	3250	3300	3300	3320	3320	-
	ft / in	10' 8.0"	10' 8.0"	10' 9.9"	10' 9.9"	10' 10.7"	10' 10.7"	-
Dump Clearance at Maximum Lift and 45° Discharge	mm	3120	3075	2995	2950	2960	2915	365
	ft / in	10' 2.8"	10' 1.1"	9' 9.9"	9' 8.1"	9' 8.5"	9' 6.8"	1' 2.4"
Reach at Maximum Lift and 45° Discharge	mm	1335	1385	1420	1470	1445	1495	85
	ft / in	4' 4.6"	4' 6.5"	4' 7.9"	4' 9.9"	4' 8.9"	4' 10.9"	3.4"
A' Digging Depth	mm	100	100	125	125	135	135	40
	ft / in	3.9"	3.9"	4.9"	4.9"	5.3"	5.3"	1.6"
Shipping Length (with Bucket)	mm	9205	9270	9355	9420	9400	9465	435
	ft / in	30' 2.4"	30' 5.0"	30' 8.3"	30' 10.9"	30' 10.1"	31' 0.6"	1' 5.1"
B' Overall Height with Bucket at Maximum Lift	mm	6090	6225	6090	6225	6090	6225	365
	ft / in	19' 11.8"	20' 5.1"	19' 11.8"	20' 5.1"	19' 11.8"	20' 5.1"	1' 2.4"
C' Loader Clearance Circle with Bucket at Carry Position	mm	14730	14780	14880	14930	14930	14980	370
	ft / in	48' 3.9"	48' 5.9"	48' 9.8"	48' 11.8"	48' 11.8"	49' 1.8"	1' 2.6"
Static Tipping Load, Straight (No Tire Deflection)	kg	20000	19755	20290	20045	20290	20045	-1700
	lb	44,092	43,552	44,732	44,192	44,732	44,192	-3,748
Static Tipping Load, Articulated (No Tire Deflection)	kg	17300	17090	17550	17340	17550	17340	-1600
	lb	38,140	37,677	38,691	38,228	38,691	38,228	-3,527
Breakout Force	kg	23435	22425	24725	23590	24725	23590	-145
	lb	51,665	49,439	54,509	52,007	54,509	52,007	-320
Operating Weight*	kg	26500	26625	26395	26520	26395	26520	795
	lb	58,420	58,698	58,191	58,467	58,191	58,467	1,753

\* All height and tire related dimensions are with standard 26.5 R25, L3 tires

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DENSITY OF OPERATING MATERIALS		Material Density [ ton / m <sup>3</sup> ]
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

DENSITY OF OPERATING MATERIALS		Material Density [ ton / m <sup>3</sup> ]																			
Lift arm	Bucket	Type	m <sup>3</sup> (yd <sup>3</sup> )	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	2.5
				(1,349)	(1,517)	(1,686)	(1,854)	(2,023)	(2,191)	(2,360)	(2,528)	(2,697)	(2,865)	(3,034)	(3,203)	(3,371)	(3,540)	(3,708)	(3,878)	(4,046)	(4,215)
Standard lift arm	General Purpose	Cutting edge	4.8 (6.28)	5.5 m <sup>3</sup> (7.19 yd <sup>3</sup> )							4.6 m <sup>3</sup> (6.02 yd <sup>3</sup> )										
		Cutting edge	5.2 (6.80)	6.0 m <sup>3</sup> (7.85 yd <sup>3</sup> )						4.9 m <sup>3</sup> (6.41 yd <sup>3</sup> )											
		1-Bolt on tooth	4.6 (6.02)	5.3 m <sup>3</sup> (6.93 yd <sup>3</sup> )							4.4 m <sup>3</sup> (5.75 yd <sup>3</sup> )										
		1-Bolt on tooth	5.0 (6.54)	5.8 m <sup>3</sup> (7.59 yd <sup>3</sup> )						4.8 m <sup>3</sup> (6.23 yd <sup>3</sup> )											
		2-Bolt on tooth	4.6 (6.02)	5.3 m <sup>3</sup> (6.93 yd <sup>3</sup> )							4.4 m <sup>3</sup> (5.75 yd <sup>3</sup> )										
		2-Bolt on tooth	5.0 (6.54)	5.8 m <sup>3</sup> (7.59 yd <sup>3</sup> )						4.8 m <sup>3</sup> (6.23 yd <sup>3</sup> )											
High lift arm (XT)	General Purpose	Cutting edge	4.8 (6.28)	5.5 m <sup>3</sup> (7.19 yd <sup>3</sup> )							4.6 m <sup>3</sup> (6.02 yd <sup>3</sup> )										
		Cutting edge	5.2 (6.80)	6.0 m <sup>3</sup> (7.85 yd <sup>3</sup> )						4.9 m <sup>3</sup> (6.41 yd <sup>3</sup> )											
		1-Bolt on tooth	4.6 (6.02)	5.3 m <sup>3</sup> (6.93 yd <sup>3</sup> )							4.4 m <sup>3</sup> (5.75 yd <sup>3</sup> )										
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		2-Bolt on tooth	4.6 (6.02)	5.3 m <sup>3</sup> (6.93 yd <sup>3</sup> )							4.4 m <sup>3</sup> (5.75 yd <sup>3</sup> )										
		2-Bolt on tooth	5.0 (6.54)	5.8 m <sup>3</sup> (7.59 yd <sup>3</sup> )						4.8 m <sup>3</sup> (6.23 yd <sup>3</sup> )											



CABIN & INTERIOR	STD	OPT
<b>Alternator, 100 A</b>	●	
<b>Alarms, audible and visual</b>		
Air filter clogging	●	
Transmission error	●	
Battery voltage	●	
Brake oil pressure	●	
Engine oil pressure	●	
Parking brake	●	
Fuel level	●	
Hydraulic oil temperature	●	
Engine coolant temperature	●	
Transmission oil temperature	●	
Service brake oil pressure	●	
Engine coolant level	●	
<b>Alarm, back-up</b>	●	
<b>Batteries, PT</b>		
1315 CCA, 12 V, 2 pieces	●	
<b>Gauges</b>		
Engine coolant temperature	●	
Fuel level	●	
Speedometer	●	
Transmission oil temperature	●	
<b>Horn, electric</b>	●	
<b>Indicator lights</b>		
Torque converter lock up	●	
High beam	●	
Turn signal	●	
FNR joystick steering		●
Pilot cut off	●	
<b>LCD Display</b>		
Clock and fault code	●	
Operating hour counter	●	
Engine rpm	●	
Transmission gear range	●	
Indicator	●	
Job time and distance	●	
Temperature (coolant, hydraulic oil, t/m oil)	●	
<b>Lighting system</b>		
LED dome light	●	
2 stop and tail lights	●	
4 turn signals	●	
Brake lights (counterweight)	●	
2 head lights on front tower	●	
2 working lights on front roof	●	
4 working lights on front roof, 2 working lights on rear roof		●
4 working lights (2 xenon) 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>		
Hazard	●	
Selective catalytic reduction	●	
Engine hood open	●	
Parking	●	
Battery master switch	●	
FNR shifter	●	
Differential Lock	●	
Secondary steering	●	
Pilot cut off	●	
<b>Ignition</b>		
Key	●	
Button		●
<b>Membrane Switches in monitor</b>		
Main light	●	
Work light	●	
Auto grease		●
Quick coupler		●
Ride control	●	
Work load	●	
Beacon lamp		●
Rear wiper	●	
Mirror heat	●	
Auto position	●	
Fine modulation	●	

CABIN & INTERIOR	STD	OPT
<b>Cab (sound suppressed)</b>		
Cigar lighter & ashtray	●	
Coat hook	●	
<b>Automatic climate control</b>		
Air conditioner & heater	●	
Defroster	●	
Intermittent wiper and washer, front and rear	●	
<b>Seat</b>		
2" retractable seat belt & adjustable mechanical suspension	●	
2" static seat belt & adjustable mechanical suspension (heated)		●
2" retractable seat belt & adjustable air suspension (heated)		●
3" static seat belt & adjustable mechanical suspension (heated)		●
3" retractable seat belt & adjustable air suspension (heated)		●
<b>Personal storage space</b>		
Console box	●	
Holder, can and cup	●	
Rear view mirrors (1 inside)	●	
Rear view mirrors (2 outside)	●	
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 cab	●	
Magazine pocket	●	
<b>Pedals</b>		
One accelerator pedal	●	
One brake pedal	●	
Dual-Brake pedal		●
Radio/USB player	●	
Rubber floor mat	●	
Wrist rest	●	
24-volt to 12-volt DC converter (20A)	●	
<b>ENGINE</b>		
Antifreeze	●	
<b>Engine, CUMMINS, QSG12</b>		
Tier 4 Final / Stage IV	●	
Engine enclosure, lockable	●	
Fan guard	●	
Fuel/water separator (return)	●	
<b>Clean emission module</b>		
DOC and SCR	●	
Rain cap, engine air intake	●	
Radiator	●	
Fuel warmer	●	
Coolant level sight gauge	●	
Engine oil level dipstick gauge	●	
3 Stage Air Precleaner		●
<b>POWER TRAIN</b>		
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	●	
Limited slip differential (front, rear)		●
Transmission oil cooler	●	
Transmission oil cooler with thermostat	●	
Hydraulic lock differential (front)	●	
Axle cooling system		●
<b>Tires</b>		
26.5 R25, L3	●	
26.5 R25, XHA2		●
26.5-25, 28PR, L3		●
26.5-25, 32PR, L3		●
Travel speed limiter (20-40 km/h)		●

HYDRAULIC SYSTEM	STD	OPT
Boom kickout, automatic	●	
Bucket positioner, automatic	●	
Diagnostic pressure taps	●	
Hydraulic oil cooler	●	
Hydraulic control, 2 spool		●
Hydraulic control, 3 spool	●	
Joystick Control (EH control)	●	
Lever control-single axle (EH control)		●
Joystick Steering		●
Ride control system	●	
Secondary steering system	●	
Extra piping-for auxiliary function		●
Quick coupler piping		●
Auto grease system		●
<b>OTHER</b>		
Articulation locking bar	●	
Counterweight	●	
Optional counter weight		●
Door and cab locks, one key	●	
Doors, service access (locking)	●	
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	●	
Z-bar design	●	
Vandalism protection caplocks	●	
Tool kit		●
Tooth, 1 piece, bolt-on type		●
Tooth, 2 pieces, bolt-on type		●
Cutting edge, bolt-on type		●
Quick coupler		●
<b>Guards</b>		
Crankcase		●
Transmission		●
Mud guards		●
Wheel chock		●
License plate & lamp (LED)		●
Hi MATE (Remote Management System)		●
Rearview camera		●
<b>SAFETY</b>		
Beacon light, rotating		●
LED beacon light		●
Fire extinguisher		●
Operator suit		●
Boom safety lock		●
LED rear combi lamp		●
LED head light		●

STD = Standard  
OPT = Optional

- \* 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.
- \* The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.75 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.0725 metric tonne.