CAB & INTERIOR	STD	OPT
Alternator, 100 amp	•	
Alarms, audible and visual		
Air filter clogging	•	
Transmission error	•	
Battery voltage	•	
Brake oil pressure	•	
Engine oil pressure Parking brake	•	
Fuel level	•	
Hydraulic oil temperature	•	
Coolant temperature	•	
Transmission oil temperature	•	
Service brake oil pressure	•	
Coolant level	•	
Water in fuel Alarm, backup	•	
Batteries, PT		
900 CCA, 12V, (2)	•	
Gauges		
Engine coolant temperature	•	
Fuel level	•	
Speedometer	•	
Transmission oil temperature	•	
Horn, electric	•	
Indicator lights		
T/C lockup High beam		
Turn signal	•	
FNR joystick steering		•
Pilot cutoff	•	
LCD Display		
Clock and fault code	•	
Operating hour counter	•	
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 taillights	•	
4 turn signals	•	
Brake lights (counterweight) 2 headlights 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	•	
Switches		
Hazard	•	
Ignition	•	
Parking	•	
Battery master switch	•	
FNR Diff lock	•	_
Diff lock SCR cleaning / inhibit		•
Secondary steering test	_	•
Pilot cutoff	•	
Membrane switches in monitor		
Main light	•	
Work light	•	
Auto grease		•
Quick coupler		•
Ride control	•	
Work load Beacon lamp	•	•
Rear wiper	•	_
Mirror heat	•	
	•	
Auto position	_	

CAB & INTERIOR	STD	ОРТ
		OPT
Cab (sound suppressed and pressurized) Cigar lighter and ashtray	with	
Coat hook	•	
Automatic climate control		
Air conditioner and heater	•	
Defroster	•	
Intermittent wiper and washer, front and rear	•	
Seat		
2" retractable seat belt and adjustable		•
2" static seat belt and adjustable		•
mechanical suspension (heated)		_
3" static seat belt and adjustable adjustable mechanical suspension		•
2'' retractable seat belt and adjustable air		
suspension (heated)	_	
Personal storage space Console box	•	
Holder, can and cup	•	
Rearview mirrors (1 inside)	•	
Rearview mirrors (2 outside)	•	
Rearview 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	•	
Pedals		
One accelerator pedal One brake pedal	•	
Dual-brake pedal		•
Radio / USB player	•	
Bluetooth	•	
Miracast	•	
Rubber floor mat		
\A/-:'-++		
Wrist rest 24V to 12V DC converter (20 amps)	•	
24V to 12V DC converter (20 amps)	•	
	• • STD	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze	•	ОРТ
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module	•	ОРТ
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR	•	OPT
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module	•	OPT
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake	•	ОРТ
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel Martin Pockament Pockame	• STD • • • • • • • • • • • • • • • • • • •	ОРТ
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge	• STD • • • • • • • • • • • • • • • • • • •	ОРТ
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge	• STD • • • • • • • • • • • • • • • • • • •	ОРТ
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner	• STD • • • • • • • • • • • • • • • • • • •	
24V to 12V DC converter (20 amps) ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual)	• STD • • • • • • • • • • • • • • • • • • •	
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject	• STD • • • • • • • • • • • • • • • • • • •	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject	• STD • • • • • • • • • • • • • • • • • • •	
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc	• STD • • • • • • • • • • • • • • • • • • •	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter	• STD • • • • • • • • • • • • • • • • • • •	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer-controlled, electronic soft-shift,	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer- controlled, electronic soft-shift, auto-shift and kick-down features	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer-controlled, electronic soft-shift, auto-shift and kick-down features included	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer-controlled, electronic soft-shift,	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer- controlled, electronic soft-shift, auto-shift and kick-down features included Transmission F5 / R3 with	STD	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer- controlled, electronic soft-shift, auto-shift and kick-down features included Transmission oil sight level Limited slip differential (front, rear)	• STD • • • • • • • • • • • • • • • • • • •	•
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer- controlled, electronic soft-shift, auto-shift and kick-down features included Transmission F5 / R3 with lockup clutch Transmission oil sight level Limited slip differential (front, rear) Transmission oil cooler	• STD • • • • • • • • • • • • • • • • • • •	• OPT
ENGINE Antifreeze Engine, SCANIA, DC09 085A Tier 4 Final / Stage 4 Engine enclosure, lockable Engine fuel priming pump Fan guard Reversible cooling fan Fuel/water separator Clean emission module DOC and SCR Rain cap, engine air intake Radiator Starting aid (air intake heater) Fuel heater Coolant-level sight gauge Engine oil-level dipstick gauge 3-stage air precleaner Fuel heater (dual) Air cleaner with auto dust eject POWER TRAIN Brakes: service, enclosed wet-disc Parking brake Torque converter Transmission F4 / R3, computer- controlled, electronic soft-shift, auto-shift and kick-down features included Transmission oil sight level Limited slip differential (front, rear)	• STD • • • • • • • • • • • • • • • • • • •	•

	_	_
POWER TRAIN	STD	OPT
Tires		
26.5 R25, L3	•	
26.5 - 25, 20PR, L3		•
26.5 - 25, 20PR, L5		•
26.5 R25, XHA2		•
23.5-25, 20PR, L3		•
26.5-25, 28PR, L3		•
26.5-25, 32PR, L3		•
Travel speed limiter (20-40 km/h)	•	
HYDRAULIC SYSTEM	STD	OPT
Boom kick-out, 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 axis (EH control)		
Joystick steering		•
Ride control system	•	_
Secondary steering system		•
Extra piping for auxiliary function		•
Quick coupler piping		•
Auto grease system		•
OTHER	STD	OPT
Articulation locking bar	•	
Counterweight	•	
Additional counterweight		•
Door and cab locks, one key	•	
Doors, service access (locking)	•	
Drawbar with pin	•	
Ergonomically located and slip-	•	
resistant, left and 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		•
		•
Pallet forks		
Guards		_
Guards Crankcase		•
Guards Crankcase Transmission		•
Guards Crankcase Transmission Mudguards		•
Guards Crankcase Transmission Mudguards Wheel chock		•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp		•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system		•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile	•	•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile Satellite	•	•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile Satellite Rearview camera	•	•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile Satellite		•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile Satellite Rearview camera SAFETY Beacon light, rotating	•	•
Guards Crankcase Transmission Mudguards Wheel chock License plate and lamp Hi-mate remote management system Mobile Satellite Rearview camera SAFETY	•	•

- * 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

PLEASE CONTACT

www.hceamericas.com 1021-WL-SP Rev 4/2016

SPECIFICATIONS HL970 Tier 4 Final Engine



308 HP (230 kW)/2,100 rpm | 24,000 kg/52,909 lb | 4.2 m³/5.5 yd³

Operating Weight

Standard Bucket





Printed in U.S.A.

SPECIFICATIONS HL970

ENGINE	
Make/model	SCANIA / DC09 085A
Type	Water-cooled, 4-cycle, turbocharged
	charge air-cooled, direct-injection,
	electronically controlled diesel engine
Gross power	311 HP (232 kW) / 2100 rpm
Net power	308 HP (230 kW) / 2100 rpm
Maximum torque	174 kg·m (1259 lb·ft) / 1200 rpm
No. of cylinders	5
Bore x stroke	130 mm (5.12") x 140 mm (5.51")
Displacement	9.3ℓ (568 in³)
Compression ratio	17.0 : 1
Air cleaner	Dry, two-stage dual elements
Alternator	24V - 100 amp
Battery	2 x 12V, 900 CCA
Starting motor	24V - 6.0 kW
TRANSMISSION	
Torque converter type	3-elements, single-stage, single-phase

* Fully automatic power shift, countershaft type with soft-shift in range and direction	* Ful	lv automatic	power shift.	countershaft	type with	soft-shift in	range and	direction.
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Travel speed, km/h (mph)		4 speed T/M	5 speed T/M with lockup clutch
Forward	1st	7.3 (4.5)	7.2 (4.5)
	2nd	12.2 (7.6)	12.4 (7.7)
	3rd	27.2 (16.9)	19.7 (12.2)
	4th	40.0 (24.9)	28.1 (17.5)
	5th		40.0 (24.9)
Reverse	1st	7.3 (4.5)	7.2 (4.5)
	2nd	12.2 (7.6)	12.4 (7.7)
	3rd	27.2 (16.9)	28.1 (17.5)

AXLES	
Drive system	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Rear axle oscillation	Oscillation ±11° of center pin-loaded
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	24.666

O) (ED) (IE)A				
OVERVIEW				
Description		UNIT	HL970	HL970XTD
Operating w	eight	kg (lb)	24 000	24 800
			(52,909)	(54,672)
Bucket	Heaped	m³ (yd³)	4.2 (5.5)	4.2 (5.5)
capacity	Struck	m³ (yd³)	3.6 (4.7)	3.6 (4.7)
Breakout for	ce-bucket	kg (lb)	21 775	21 715
			(48,006)	(47,873)
Tipping load	Straight	kg (lb)	19 150	17 250
			(42,218)	(38,029)
	Full turn	kg (lb)	16 575	14 845
			(36,543)	(32,729)

TIRES	
Туре	Tubeless, loader design tires
Standard	26.5 R25, ★, L3
Options include	26.5-25, 20PR, L3
	26.5-25, 20PR, L5
	26.5, R25 XHA2
	23.5-25, 20PR, L3
	26.5-25, 28PR, L3
	26.5-25, 32PR, L3

Туре	Load-sensing hydraulic system
Duman	Variable-displacement piston pump,
Pump	323 lpm (85 gpm)
Control valve	2 spool (bucket, boom)
Control valve	3 spool (bucket, boom, aux)
System pressure	280 kgf/cm ² (3983 psi)
Lift circuit	Valve has four functions:
	raise, hold, lower and float
	Can adjust automatic kick-out from
	horizontal to full lift
Tilt circuit	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: 2-160 mm (6.3") x 780 mm (30.7"
HL970	Tilt: 1-180 mm (7.1") x 565 mm (22.2")
HL970XT	Tilt: 1-180 mm 7.1") x 570 mm (22.4")
Cycle time	Raise: 5.7 sec
	Dump: 1.4 sec
	Lower: 3.1 sec
	Total: 10.2 sec

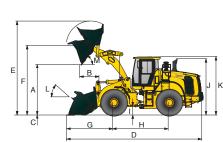
BRAKES	
Service brakes	Hydraulically actuated, wet-disc
	brakes actuate all 4 wheels
	independent axle-by-axle system
	Self-adjusting and wheel speed brake
Parking brake	Spring-applied, hydraulically
	released brake
Emergency brake	When brake oil pressure drops,
	indicator light alerts operator and
	parking brake automatically applies

STEERING SYSTEM	
Туре	Load-sensing hydrostatic articulated
	steering
Pump	Variable-displacement piston pump,
	208 lpm (55 gpm)
Relief valve setting	210 kgf/cm ² (2987 psi)
Cylinder	Double acting
	2-95 mm (3.7") x 480 mm (18.9")
Steering angle	40° both right and left angle,
	respectively
Additional features	Center-point frame articulation
	Tilt and telescopic steering column

SERVICE REFILL CAPAC	CITIES
Fuel tank	300 ℓ (79.3 gal)
DEF tank	60 ℓ (15.9 gal)
Cooling system	42 (11.1 gal)
Crankcase	36 ℓ (9.5 gal)
Transmission	43 (11.4 gal)
Front axle	51 (13.5 gal)
Rear axle	40 (10.6 gal)
Hydraulic tank	152 ℓ (40.2 gal)
Hydraulic system	276 (72.9 gal)
(including tank)	

DIMENSIONS
All dimensions are approximate.





Description		UNIT	HL970	HL970XT
Bucket Type		General purpose bolt-on cutting edge		
A. Dumping	A. Dumping clearance at n		3 570	3 080
max. height and 45°		(ft-in)	(11' 8.6")	(10' 1.3")
dump an	gle			
B. Reach	Full lift	mm	1 270	1 305
		(ft-in)	(4' 2.0")	(4' 3.4")
	2134 mm		1 905	2 330
	height (7 ft)		(6' 3.0")	(7' 7.7")
C. Digging o	depth	mm (ft-in)	100 (3.9")	115 (4.5")
D. Overall	on ground	mm	8 740	9 280
length		(ft-in)	(28' 8.1")	(30' 5.4")
	at carry		8 640	9 145
			(28' 4.2")	(30')

Description		UNIT	HL970	HL970XT
E. Overallheight		mm	5 970	6 460
(fully raised)		(ft-in)	(19' 7.0")	(21' 2.3")
F. Bucket piv	ot height	mm	4 330	4 815
(max)		(ft-in)	(14' 2.5")	(15' 9.6")
G. Front ove	erhang	mm	3 025	3 455
		(ft-in)	(9' 11.1")	(11' 4.0")
H. Wheelba	se	mm	3 500	3 500
		(ft-in)	(11' 5.8")	(11' 5.8")
I. Ground cle	earance	mm	480	480
		(ft-in)	(1' 6.9")	(1' 6.9")
J. Height over exhaust		mm	3 515	3 515
		(ft-in)	(11' 6.4")	(11' 6.4")
K. Height ov	er cab	mm	3 590	3 590
		(ft-in)	(11' 9.3")	(11' 9.3")
L. Rollback	on ground	deg	43	43
angle	at carry	deg	47	49
M. Dump ar	ngle	deg	50	50
Clearance circle, over		mm	14 030	14 430
bucket (carr	y position)	(ft)	(46.03)	(47.34)
Clearance circle,		mm	12 878	12 878
outside of tires		(ft)	(42.25)	(42.25)
Clearance circle,		mm	6 928	6 928
inside of tire	?S	(ft)	(22.73)	(22.73)
N. Overall	with	mm	3 100	3 100
width	bucket	(ft-in)	(10' 2.1")	(10' 2.1")
	without	mm	2 975	2 975
	bucket	(ft-in)	(9' 9.1")	(9' 9.1")

HL970 / DENSITY	OF OPERATING MATERIALS		
Loose material		Material Density	
Earth / clay		1.5~1.7 tons / m³ (2528~2865 lb / yd³)	
Sand and gravel		1.5~1.7 tons / m³ (2528~2865 lb / yd³)	
A a area a sto	25~76 mm (1" to 3")	1.6~1.7 tons / m³ (2697~2865 lb / yd³)	
Aggregate	19 mm (3") and larger	1.8 tons / m³ (3034 lb / yd³)	

Lift arm	Bucket	Туре	Struck	Heaped
	Cutting edge	4.5 m³ (5.8 yd³)	5.2 m ³ (6.8 yd ³)	
		1-bolt-on tooth	4.3 m³ (5.6 yd³)	5.0 m³ (6.5 yd³)
		Cutting edge	3.6 m³ (4.7 yd³)	4.2 m³ (5.5 yd³)
Standard	General	1-bolt-on tooth and segment edge	3.6 m ³ (4.7 yd ³)	4.2 m ³ (5.5 yd ³)
lift arm purpose	2-bolt-on tooth and segment edge	3.4 m³ (4.5 yd³)	4.2 m ³ (5.5 yd ³)	
	1-bolt-on tooth	3.4 m³ (4.5 yd³)	4.0 m ³ (5.2 yd ³)	
	2-bolt-on tooth	4.0 m³ (5.2 yd³)	4.0 m ³ (5.2 yd ³)	
	Cutting edge	3.0 m³ (3.9 yd³)	3.5 m ³ (4.6 yd ³)	
		Cutting edge	4.5 m³ (5.8 yd³)	5.2 m³ (6.8 yd³)
		1-bolt-on tooth	4.3 m³ (5.6 yd³)	5.0 m ³ (6.5 yd ³)
High lift General arm (XTD) purpose		Cutting edge	3.6 m³ (4.7 yd³)	4.2 m ³ (5.5 yd ³)
	General	1-bolt-on tooth and segment edge	3.6 m³ (4.7 yd³)	4.2 m ³ (5.5 yd ³)
	2-bolt-on tooth and segment edge	3.4 m³ (4.5 yd³)	4.2 m ³ (5.5 yd ³)	
		1-bolt-on tooth	3.4 m³ (4.5 yd³)	4.0 m ³ (5.2 yd ³)
		2-bolt-on tooth	4.0 m³ (5.2 yd³)	4.0 m ³ (5.2 yd ³)
		Cutting edge	3.0 m³ (3.9 yd³)	3.5 m³ (4.6 yd³)