HD HYUNDAI CONSTRUCTION EQUIPMENT

Head Office(Sales Office)

11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

HL985A BLOCK HANDLER

With EU Stage V Engine Installed



Gross Power 355 HP (265 kW) 2,000 rpm

Net Power 351 HP (262 kW) 2,100 rpm Bucket Capacity 5.0 m³ Operating Weight 34,400kg / 75,840 lb



HL985A BLOCK HANDLER

WHAT'S NEWEST **AND BEST**

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine NEW
- Eco Report NEW
- Smart Power Mode NEW
- Hydraulic Differential Lock Type (Front Axle)
- Conventional Type (RearAxle)
- 4 Speed Transmission
- ICCO (Intelligent Clutch Cut Off)
- Automatic Engine Shutdown
- · Optimized Power Matching

ULTIMATE DURABILITY

- Enhanced Rear Axle Capacity NEW
- Axle Oil Cooling System
- Optimized Drive Shaft
- High Quality Hydraulic Hose

THE BEST PRODUCTIVITY **AND FUEL EFFICIENCY**

- Electric Side Mirror NEW
- Fully Adjustable Seat and Armrest NEW
- Air Compressor NEW Option
- Remote Door Control NEW Option
- Auto Greasing System Option
- Ride Control Option
- Full Sound-Proofed Spacious Cabin
- Wide Touch Screen Monitor
- Centralized Cluster
- Soft end Stop
- Weighing System
- EH Joystick Steering

THE ULTIMATE SAFE **ENVIRONMENT**

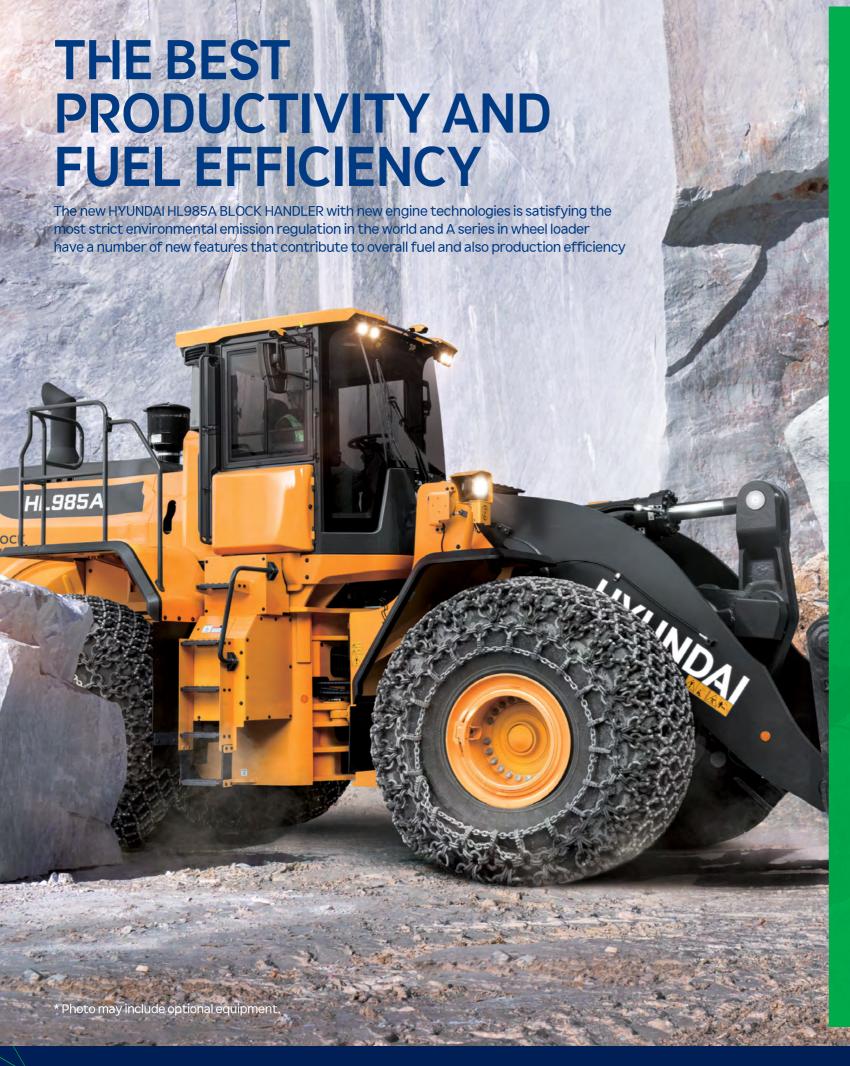
- Emergency Stop NEW
- Seat Belt Warning Alarm NEW
- Radar NEW Option
- AVM (Around View Monitoring) Option
- IMOD (Intelligent Moving Object Detection) Option

SERVICEABILITY AND TELEMATICS

- *ECD(Engine Connected Diagnostics) NEW
- Fully Openable Engine Hood NEW
- Hi-MATE
- Easy Filter Replacement
- Wide Core & Fin Radiator



* Photo may include optional equipment.



Eco Report NEW

Eco report shows the wheel loader's inefficient operation status in order to improve operator's improper working habit.



Hydraulic Differential Lock

Hydraulic differential lock has the advantages of both improving productivity and less fuel consumption by preventing tire slip during the operation.



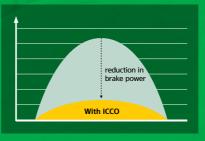
4 Speed Transmission

Applied a 4 Speed Transmission to improve work convenience with precise operation at low speeds and smooth torque delivery.



ICCO (Intelligent Clutch Cut Off)

By selecting of 'H-Mode' among clutch cut-off selections, ICCO will be engaged for both less power loss in torque converter and lower heat generation on brake sides.





EU STAGE V Engine NEW

'Cummins X12' engine meeting Euro Stage V emission regulations is designed for maximum productivity and fuel efficiency.



Smart Power Mode NEW

Smart Power mode reduces fuel consumption by adjusting the engine speed in heavy load work like digging. The key point of this function is not only saving fuel with same performance as Power mode but also making good balance between traction force and breakout force.



Automatic Engine Shutdown

Adjustable 'Automatic Engine Shutdown' significantly reduces idle time, overall operating hours and fuel consumption.



Optimized Power Matching

For maximum operational efficiency, the engine is designed to achieve high torque in the low RPM range. Change an engine rpm at peak torque to lower rpm section also.

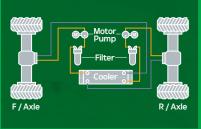
Enhanced Rear Axle Capacity

HL985A BLOCK HANDLER applied larger capacity axle than the previous series. It offers more reliable performance and longer durabillity.



Axle Oil Cooling System

Axle oil cooling system prevents overheating of axle oil caused by frequent braking and high-load work.



Optimized Drive Shaft

Through thorough verification, the optimized drive shaft makes the HL985A BLOCK HANDLER wheel loader more durable.

High Quality Hydraulic Hose

High quality hydraulic hoses increased durability and product life cycle.



* Photo may include optional equipment.



Air Compressor NEW Option

Air Compressor will be used for cleaning inside the cabin and for operator self-cleaning.



Full Sound-Proofed Spacious Cabin

State-of-the-art noise reduction technology of the HL985A BLOCK HANDLER ensures maximum silence (72 dB) in the same category of



equipment, promising more silent and more pleasant interior space.

Remote Door Control NEW Option

Remote door control allows operators to open the cabin door remotely. This system was developed for the convenience and safety of the operator.





Wide Touch Screen Monitor

The seven-inch capacitive-type display (like a smart phone display) provides excellent legibility.



Weighing system

The HL985A BLOCK HANDLER further improves work precision with additional weight calibration. The automatic/manual cumulative weighing function greatly enhances operating efficiency. Icons displaying weighing errors and the two-color weight value indication on the monitor enable accurate weighing to support efficient production management.



Centralized Cluster

With a centralized cluster, operator can see at a glance all the states of wheel loader.



Soft End Stop

When an attachment reaches at the end stroke, it gives operator enormous shock especially for Boom up. This function gives shock free operation by reducing the speed of attachment near the end stroke. It can be selected on/off through Monitor.



Electric Side Mirror NEW

Electric side mirrors prevent damage when transporting narrow space.



Fully Adjustable Seat and Armrest

This suspension will be applied for minimizing an operator's fatigue.



Ride Control Option

Ride control system reduces operator fatigue and material spillage during operation. An accumulator helps to minimize shock, giving the operator a much smoother ride.



Auto Greasing System Option

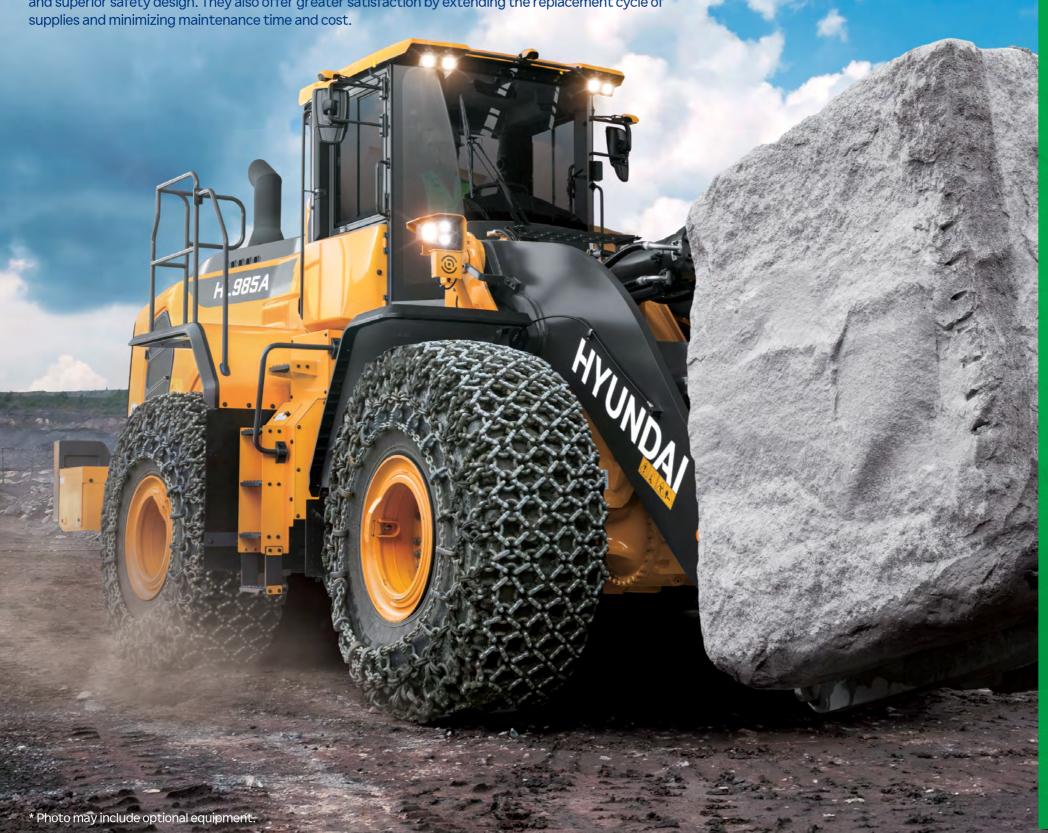
Auto greasing system is designed to automatically lubricate when it is needed. Uniform application of lubricant ensures that the lubrication points always have the correct amount of grease.





THE ULTIMATE SAFE **ENVIRONMENT**

With the top priority on satisfaction of operators in terms of silence, safety and maintainability, Hyundai wheel loaders provide operators with comfortable cabin space by low-vibration, low-noise, and superior safety design. They also offer greater satisfaction by extending the replacement cycle of



HL985A BLOCK HANDLER with advanced technology ensures our safety on a construction site.

The A Series in wheel loaders are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new A Series in wheel loader reflects customers' needs in the field gleaned by thorough monitoring.

Emergency Stop NEW

In an emergency, operating the Emergency Stop switch located at the bottom of the seat will shut down the engine starting.



Seat Belt Warning Alarm NEW

Seat belt warning alarm allows the operator to work in a safer environment.



Radar NEW Option

The Radar system can detect rear obstacles without blind spots and no distinction between day and night. Also, the warning level of the nearest obstacle is always displayed on the secondary monitor.



AVM(Around View Monitoring) Option

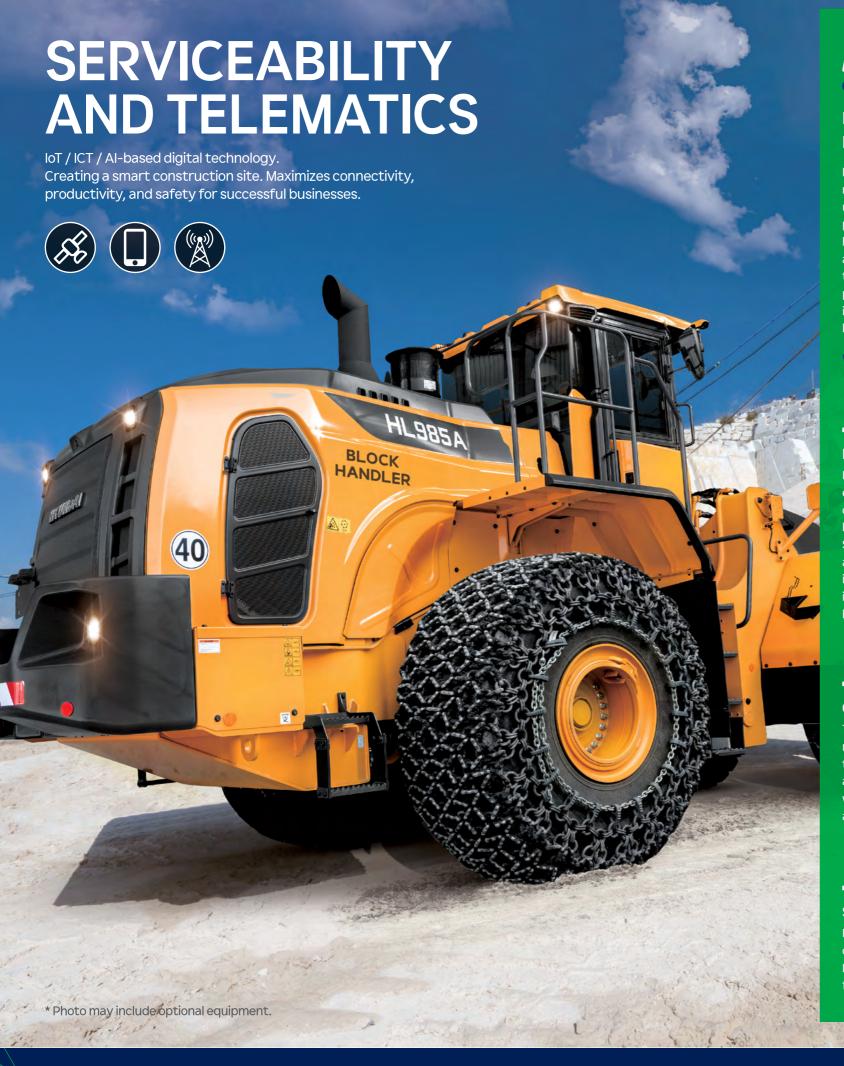
IMOD(Intelligent Moving Object Detection) Option

This is a system that is combined AVM (Around View Monitoring) with IMOD (Intelligent Moving Object Detection) and detects people around the machine and analyzes the images, which displays an warning sign on a monitor when detecting the danger. So operators can watch the surroundings in a variety of angles through the monitor and prevent the safety accident in advance.



It displays the position of people with a top view.

displayed when people move displayed when people move



HIMXTE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE, Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and ctual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geofence boundary, you will get alerts.

ECD(Engine Connected Diagnostics) NEW Option

ECD will support the after sales technicians and dealers with a diagnostics report (via e-mail, mobile, app or Hi MATE) on the engine performance. This will help after sales technicians arrive on site with the necessary tools and parts to fix troubles in one visit.

ECD is an integrated remote diagnostics service between Cummins cloud and Hi MATE cloud.



7





Fully Openable Engine Hood

The HL985A BLOCK HANDLER further improves work precision with additional weight calibration. The automatic/manual cumulative weighing function greatly enhances operating efficiency. Icons displaying weighing errors and the two-color weight value indication on the monitor enable accurate weighing to support efficient production management.



Easy Filter Replacement

With easy filter replacement, machine can be managed more easily.



Wide Core & Fin Radiator

Wide core & fin radiator reduces clogging.



HL985A BLOCK HANDLER

SPECIFICATIONS

ENGINE	
Maker / Model CUMMINS / X12 / EU Stage V	
Туре	6 cylinder, Watercooled, 4-cycle, turbocharged, charge air colled, direct injection, electronic controlled diesel engine.
Gross power (SAE J1995)	355 HP (265 kW) at 2,000 rpm
Net power (SAE J1349)	351 HP (262 kW) at 2,000 rpm
Max. Power	380 HP (283 kW) at 1,700 rpm
Peak Gross Torque (SAE J1995)	1,862 N·m (1,373 lb.ft) at 1,400 rpm
Displacement	11.8 ℓ (720 cu in)

TRANSMISSION				
Travel speed		4 Spe	ed T/M	
		km/h	(mph)	
	1st	6.0	(3.7)	
Forward	2nd	11.6	(7.2)	
Forward	3rd	18.1	(11.2)	
	4th	34.1	(21.2)	
	1st	6.0	(3.7)	
Reverse	2nd	11.6	(7.2)	
	3rd	25.6	(15.9)	

 $\cdot\,$ This is the maximum travel speed of a standard machine with unfilled bucket.

AXLES	
Drive system	Four-wheel drive system
Front	Fixed
Rear	Oscillating ±7degrees
Hub reduction	Planetary reduction at wheel end
Differential	Hydraulic lock differential(F) / Conventional Type(R)
Reduction ratio	27.0

TIRES	
Туре	Tubeless, loader design tires
Standard	29.5R25 L3 XHA2 (Michelin)
Options Include	29.5R25 L3 ★★ (Triangle)

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.

CARIN

ROPS / FOPS meet ISO 3471 and ISO 3449

HYDRAULIC SYSTEM		
Type	Load sensing hydraulic system	
Pump	Variable displacement piston pump 520 lpm	
Control valve	2 Spool (Bucket, Boom) 3 Spool (Bucket, Boom, Aux)	
System Pressure	315 bar (4,569 psi)	
	The valve has four	functions;
Lift Circuit	Raise / Hold / Lowe	r / Float
Lift Circuit	Can adjust automa	tic kickout from
	horizontal to full lif	t.
	The valve has three functions;	
Tilt Circuit	Tilt back / Hold / Dump	
THE CHCUIC	Can adjust automatic bucket positioner	
	to desired load angle.	
	Type: double acting	
	No. of cylinders-bore × stroke	
Cylinder	Lift	2-180 × 885 mm (2-7.1" × 2' 11")
	Bucket Cylinder	1-210 x 550 mm (1-7.9" × 1' 9.7")
	Raise from Carry Position: 6.1 Sec.	
Hydraulic cycle time	Dump, at maximum raise: 1.7 Sec.	
with rated payload	Lower, empty, float down: 4.3 Sec.	
	Total: 12.1 Sec.	

STEERING SYSTEM		
Туре	Load sensing hydrostatic articulated steering	
Pump	Variable displacement piston pump	
System pressure	210 bar (3,046 psi)	
Cylinder	Double acting 2 - 105 mm (4.1") x 460 mm (18.1")	
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			
Fuel tank	440.0 liters (116.2 US gal)		
DEF tank	55.3 liters (11.8 US gal)		
Cooling system	45.5 liters (12.0 US gal)		
Crankcase	34.0 liters (9.0 US gal)		
Transmission	56.2 liters (14.8 US gal)		
Front axle	64.0 liters (16.9 US gal)		
Rearaxle	64.0 liters (16.9 US gal)		
Hydraulic tank	200 liters (52.8 US gal)		
Hydraulic system (Including tank)	360 liters (95.1 US gal)		

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)	109 dB(A)

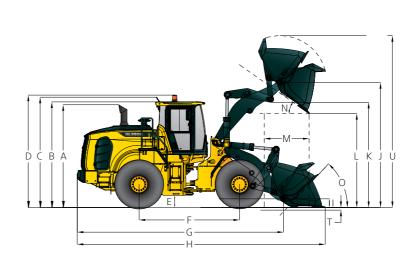
^{*} Distance of 15 m (49.2 ft), moving forward in second gear ratio.

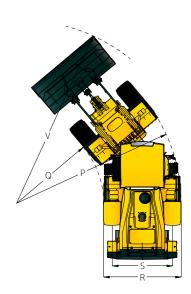
HL985A BLOCK HANDLER

DIMENSIONS

HL985A DIMENSIONS

All dimensions are approximate.





Unit : mm (ftin)

			I	Unit : mm (ftin)
Model		HL985A		
		mm	ft/in	
Α	Height to Top of Exhaust P	ipe	3,715	12'2"
В	Height to Top of Cabin		3,865	12'8"
С	Height to Top of Product L	ink Antenna	3,905	12'10"
D	Height to Top of Warning B	Beacon	3,995	13'1"
Ε	Ground clearance		476	1'7"
F	Wheelbase		3,800	12'6"
G	Overall Length(without bucket)		8,565	28'1"
Н	Shipping length(with bucket level on ground)		10,300	33'10"
1	Hinge Pin Height at Carry F	Position	540	1'9"
J	Hinge Pin Height at Maximum Lift		4,750	15'7"
K	Lift Arm Clearance at Maximum lift		4,010	13'2"
L	Dump Clearance at Maximum lift and 45° Discharge		3,360	11'0"
М	Reach at Maximum Lift and 45° Discharge		1,550	5'1"
N	Dump Angle at Maximum L	ift and Dump(on stops)	48	-
_	Dellih e ele America	Ground	42	-
O	O Roll back Angle	Carry	47	-
Р	Clearance Circle(diameter) to Outside of Tires		14,440	47'3"
Q	Clearance Circle(diameter) to Inside of Tires		7,560	24'10"
R	Width over Tires(unloaded	l)	3,420	11'3"
S	Tread Width		2,540	8'4"

 $^{^{\}star}\,$ T,U,V are indicated on the p.17

DIMENSIONS & SPECIFICATIONS

OPERATING SPECIFICATIONS WITH BUCKETS			
Linkage Bucket Type		Standard Linkage General Purpose – Pin On	
Edge Type		Bolt-On Cutting Edges Type	
Capacity – Rated	m³	5.0	
Capacity - Rateu	yd³	6.50	
Capacity – Rated at 110% Fill Factor	m³	5.5	
Capacity - Rated at 110% Fill Factor	yd³	7.20	
Width	mm	3,491	
watn	ft/in	11′5″	
Dunan Clauren as at Marries and 150 Disabases	mm	3,015	
Dump Clearance at Maximum Lift and 45° Discharge	ft/in	9'11"	
	mm	1,695	
Reach at Maximum Lift and 45° Discharge	ft/in	5'7"	
	mm	165	
Digging Depth	ft/in	0'6"	
	mm	10,300	
Shipping Length (with Bucket)	ft/in	33'10"	
	mm	6,330	
Overall Height with Bucket at Maximum Lift	ft/in	20'9"	
	mm	15,800	
Loader Clearance Circle with Bucket at Carry Position	ft/in	51'10"	
	kg	28,400	
Static Tipping Load, Straight (No Tire Deflection)	lb	62,615	
	kg	24,800	
Static Tipping Load, Articulated (No Tire Deflection)	lb	54,675	
	kg	24,800	
Breakout Force	lb	54,675	
	kg	34,400	
Operating Weight*	lb	75,840	

^{*} All height and tire related dimensions are with standard 29.5R25 L3 XHA2 (Michelin)

CHANGE IN OPERATING SPECIFICATIONS - TIRES							
Tires		29.5R25 L3 ★★ (BRIDGESTONE)	29.5R25 L3 ★★ (TRIANGLE)				
On a matting a consideration	kg	31	64				
Operating weight(kg)	lb	70	145				
Static Tipping Load Straight (No Tire Deflection)	kg	56	115				
Static Tipping Load, Straight (No Tire Deflection)	lb	125	255				
Static Tipping Load Articulated (No Tire Deflection)	kg	49	102				
Static Tipping Load, Articulated (No Tire Deflection)	lb	110	225				
Vertical beingt about as	mm	-1	-2				
Vertical height changes	ft/in	0"	-0.1"				
D. Width over tires (upleaded)	mm	13	2				
R. Width over tires(unloaded)	ft/in	0.5"	0.1"				
D. Classes and Circle (diameter) to Outside of Time	mm	-115	30				
P. Clearance Circle(diameter) to Outside of Tires	ft/in	-4.5"	1.2"				
O Clearance Circle(diameter) to Inside of Tires	mm	115	-30				
Q. Clearance Circle(diameter) to Inside of Tires	ft/in	4.5"	-1.2"				

^{*} Dimension changes compared to 29.5R25 L3 \bigstar \bigstar radial tires.

HL985A BLOCK HANDLER

BUCKET SELECTION CHART / SPECIFICATIONS

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						
Aggregate	19mm (0.75 in) and Larger	1.8						

HL985A BUCK	T SELECTION CH	ART																
Standard lift arm - General Purpose																		
				Material Density [ton/m³]]														
Lift arm Bucket	Type	m³	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	
Standard lift arm	Spade Nose (Rock)	Weld-on teeth & segment Type	5.0						5.8	m³					4.81	m³		

OVERVIEW									
Description		U	VIT	HL985A BLOCK HANDLER					
Operating Weight		kg	lb	34,400	75.840				
Duelest conscitu	Heaped	m³	yd³	6.50	8.50				
Bucket capacity	Struck	m³	yd³	5.60	7.30				
Breakout force-bucket		kg	lb	24,800	54,675				
Tipping Load	Straight	kg	lb	28,400	62,615				
	Full	kg	lb	24,800	54,675				

HL985A BLOCK HANDLER

STANDARD / OPTION

CARINA NITERIOR	0.70
CABIN & INTERIOR	STD
ALARMS, AUDIBLE AND VISUAL	
Air filter clogging	•
Battery voltage	•
Brake oil pressure	•
Engine coolant level	•
Engine oil pressure	•
Fuel level	•
Hydraulic oil temperature	•
Engine coolant temperature	•
Service brake oil pressure	•
Transmission error	
Transmission oil temperature	
BATTERIES	
1315 CCA, 12 V, 2 pcs	
GUAGES Engine coelent temperature	
Engine coolant temperature Fuel level	
Speedometer	
Transmission oil temperature	
INDICATOR LIGHTS	
Parking brake	
Head light (High beam)	
Pilot cut off	•
Turning light	•
Seat belt ON/OFF	•
Engine auto stop	•
Clutch Cut Off	•
Ride control	•
Joystick steering	
FNR	•
Differential Lock	•
LCD DISPLAY (CLUSTER)	
Transmission gear range	•
Parking brake	•
FWD / REV	•
LCD DISPLAY (MONITOR)	
Engine rpm	•
Fuel rate	•
Fault and maintenance warning	•
Odometer	•
Hour meter	•
Horn, electric	•
LIGHTING SYSTEM	
Brake lights (Counterweight)	•
LED beacon light	•
2 stop and tail lights	•
4 turn signals	•
2 Head lights on front tower	_
2 Head lights (LED) on front tower	•
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	•
License light	•

CABIN & INTERIOR	STD
SWITCHES	
Hazard	•
Engine hood open	•
Parking	•
Battery master switch	•
FNR shifter	•
Pilot cut off	•
Differential Lock foot switch	
Emergency steering	•
IGNITION	
Key	•
Button	
MEMBRANE SWITCHES IN MONITOR	
Main light	•
Work light	•
Weighing System	•
Mirror heat	•
Auto position	•
Fine modulation	•
Rear wiper	•
Auto grease	
Ride control	•
Beacon light	•
Cam	•
CABIN (SOUND SUPPRESSED)	
ROPS/ FOPS Cabin	•
Coat hook	•
Rear view mirrors (1 Inside / 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	•
Magazine pocket	•
Radio / USB player	•
Wrist rest & Armrest	•
24 V to 12 V DC converter (20 A)	•
DOOR	
Door and cabin locks, one key	•
Doors, service access (Locking)	
Doors, service access (Remote control)	
AUTOMATIC CLIMATE CONTROL	
Air conditioner & heater	•
Defroster	•
Intermittent wiper and washer, front and rear	•
SEAT	
2" Retractable seat belt & adjustable	
mechanical suspension (Heated)	
3'' Retractable seat belt & adjustable	_
air suspension (Heated)	
2" Retractable seat belt & adjustable	
air suspension (Heated)	
PERSONAL STORAGE SPACE	
Console box	•
Cup Holder	•
PEDALS	
One brake pedal	

ENGINE	S
ENGINE Cumming V12 Engine	
Cummins X12 Engine	•
POWER TRAIN	S
Transmission F4 / R3, computer controlled, electronic	
soft shift, auto-shift and kick-down features included	
Torque converter	
Transmission oil sight level Transmission oil cooler	
Travel speed limiter (20-40 km/h)	
FRONT AXLE	
Hydraulic lock differential	
REAR AXLE	<u> </u>
Conventional Type	
BRAKE	
Service brake (Enclosed wet-disk)	
Parking brake	
TIRES	
29.5R25 L3 ★★ (BRIDGESTONE)	
29.5R25 L3 ★★ (TRIANGLE)	-
HYDRAULIC SYSTEM	S
Boom kickout, automatic	
Bucket positioner, automatic Diagnostic pressure taps	
Hydraulic oil cooler	
Hydraulic oil level sight gauge	
EH Control (Joystick)	
EH Control (Fingertip)	
Ride control system	
Extra piping-for auxiliary function	
Auto grease system	
Quick coupler piping	
SAFETY	S
Emergency stop	
Emergency steering Rear view camera	
Fire extinguisher	
OBJECT DETECTION	
AAVM (AVM + IMOD)	
Radar	
Secondary Monitor	
OTHER	S
Fuel warmer	
Articulation locking bar	
Lift and tie-down hooks	
Loader linkage, sealed	
Vandalism protection caplocks	
E-horn	
Tool kit	
Rain cap	
Pre-cleaner Air compressor	
Wheel chock	
	·
BUCKET	

OTHER	STD
COUNTERWEIGHT	
Counterweight	•
Drawbar with pin	•
ERGONOMICALLY LOCATED AND SLIP RESISTANT, LEFT 8	RIGHT
Handrails / Ladders / Platforms / Steps	•
GUARDS	
Cabin (Front / Rear)	
Fenders (Front / Rear)	•
Under guard (E/G, T/M)	•
Mud guard	
TELEMETICS	
ECD (Engine connected diagnostics)	•
Hi MATE	•

- * 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.