

**POWERKING®**

Breaking New Grounds Since 1998

**HIDROMEK®**

## ENGINE

Model	: ISUZU AH-6HK1X
Type	: Water-cooled, 4 cycle, 6 cylinders, line type direct injection, turbocharger, intercooler, diesel engine.
Power	: 202 HP / 1800 rpm SAE J1349
Max. Torque	: 903 Nm / 1500 rpm
Displacement	: 7790 cc
Bore and Stroke	: 115 mm x 125 mm

This new engine complies with the Emission Regulations U.S. EPA Tier III and EU Stage IIIA.

## UNDERCARRIAGE

X Type Lower Frame Construction Pentagon Box Type Chassis.

Shoe	: Triple grouser 600,700,800 mm
No. Of Shoes	: 2 x 51
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Track Tensioning	: Hydraulic Spring Tensioning.

## CAB

- Improved operator's all round visibility
- Increased cabin internal space
- Use of six viscomount cabin mountings that dampen the vibrations
- High capacity A/C
- Cooled storage room
- Glass holder, book and object storage pockets
- Pool type floor mat
- Improved operator's comfort through versatile adjustable seat
- Ergonomically redesigned cabin through relocated switch board, and re-styled travel pedals and levers

## SWING SYSTEM

Swing Motor	: Axial piston type integrated with shock absorber valves.
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Hydraulic multi disc type.
Swing Speed	: 10 rpm.

## TRAVEL AND BRAKES

Travel	: Fully hydrostatic.
Travel Motors	: Axial piston type.
Reduction	: 3 stage planetary gear.
<b>Travel Speed</b>	
High Speed	: 4.4 km/h
Low Speed	: 2.8 km/h
Max. Drawbar Pull	: 25.850 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type.

## HYDRAULIC SYSTEM

### Main Pump

Type	: Double variable displacement axial piston pumps.
Max. Flow	: 2 x 250 lt / min
Pilot Pump	: Gear 27 lt / min

### Relief Valves

Attachment (Boom, Arm, Bucket)	: 330 kgf / cm <sup>2</sup>
Power Boost	: 360 kgf / cm <sup>2</sup>
Travel	: 360 kgf / cm <sup>2</sup>
Swing	: 285 kgf / cm <sup>2</sup>
Pilot	: 40 kgf / cm <sup>2</sup>

### Cylinders

Main Boom	: 2 x 140 x 100 x 1.445 mm
Stick Cylinder	: 1 x 160 x 110 x 1.760 mm
Bucket Cylinder	: 1 x 140 x 100 x 1.195 mm

### Opera Control System

- Easy-to-use control panel and menus
- Improved fuel economy and productivity
- Maximum efficiency by selection of power and work modes
- Overheat prevention and protection system without interrupting the work
- Automatic powerboost switch-on and switch-off
- Automatical electric power-off
- Maintenance information and warning system
- Error mode registry and warning system
- Hidromek Smartlink (Optional)
- Automatic preheating
- Auto-Idle and automatic deceleration system
- Automatic powershift to improve performance
- Selection of multi-language on control panel
- Real time monitoring of operational parameters such as pressure, temperature, engine load
- Anti-theft system with personal code
- Possibility to register 26 different operating hours
- Rear-view, arm-view camera (Optional)

## CAPACITY

Fuel Tank	: 483 lt	Engine Oil	: 38 lt
Hydraulic Tank	: 205 lt	Swing Reduction	: 6 lt
Hydraulic System	: 370 lt	Travel Reduction	: 2x9.5 lt
Radiator	: 36 lt		

## ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V x 150 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 5 kw

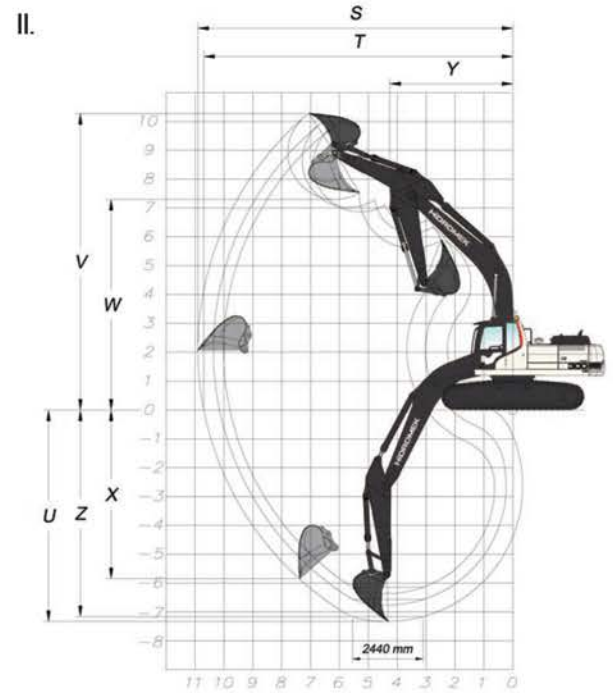
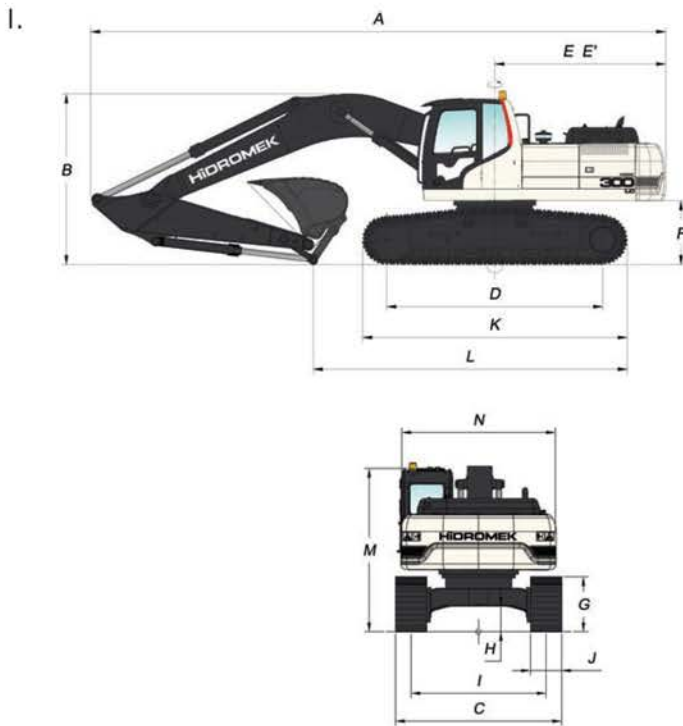
## LUBRICATION

Centralized lubrication system is provided for lubricating all difficult-to-reach parts on the components, such as boom and arm.

## OPERATING WEIGHT

Standard machine operating weight (300LC) : 30,800 kg  
Standard machine operating weight (300NLC) : 30,730 kg

# HMK 300LC



## I. GENERAL DIMENSIONS

Boom Dimension	6.280 mm		
Arm Dimension	2.100 mm	*2.500 mm	3.070 mm
A . Overall Length	10.860 mm	10.810 mm	10.790 mm
B . Overall Height (to top of boom)	3.550 mm	3.470 mm	3,290 mm
C . Overall Width (LC)	*3.200/3.300/3.400 mm		
C . Overall Width (NLC)	*2.990/3.090/3.190 mm		
D . Idler Distance	4.030 mm		
E . Tail Swing Distance	3.190 mm		
E' . Tail Swing Radius	3.240 mm		
F . Upperstructure Ground Clearance	1.190 mm		
G . Crawler Height	1.060 mm		
H . Min. Ground Clearance	500 mm		
I . Track Gauge (LC / NLC)	2.600 mm / 2.390 mm		
J . Shoe Width	*600/700/800 mm		
K . Overall Length Of Crawler	4.940 mm		
L . Length Over Ground	7.530 mm	6.780 mm	5.860 mm
M . Overall Height (to top of cab)	3.160 mm		
N . Upperstructure Width	2.990 mm		

\*Standart

## II. WORKING DIMENSIONS

Boom Dimension	6.280 mm		
Arm Dimension	2.100	*2.500	3.070 mm
S . Max. Digging Reach	10.020	10.370	10.910 mm
T . Max. Digging Reach At Ground Level	9.800	10.160	10.710 mm
U . Max. Digging Depth	6.370	6.770	7.340 mm
V . Max. Digging Height	9.860	9.990	10.280 mm
W . Max. Dumping Height	6.860	7.010	7.290 mm
X . Max. Vertical Digging Depth	4.980	5.240	5.650 mm
Y . Min. Swing Radius	4.450	4.360	4.270 mm
Z . Max. Digging Depth [2,440 mm level]	6.150	6.570	7.170 mm

\*Standart

## III. DIGGING PERFORMANCE

Standard Bucket Capacity	1.5 m <sup>3</sup> (SAE)
Bucket Digging Force (Power Boost) ISO	20,200 (22,000) kgf
Arm Crowd Force (Power Boost) ISO	17,700 (19,300) kgf



**24/7**  
CUSTOMER SERVICE  
ANYTIME. ANYWHERE.



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