HYDRAULIC EXCAVATOR

HMK 370LC HD

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	: 271 HP /2000 rpm SAE J1349
Max. Torque	: 1080 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
No. Of Shoes	: 2 x 49
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
- Opera Control System
- 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	: 9.1 rpm.

TRAVEL AND BRAKES

Travel	: Fully hydrostatic.
Travel Motors	: Axial piston type.
Reduction	: 3 stage planetary gear.
Travel Speed	
High Speed	: 4.7 km/h
Low Speed	: 2.7 km/h
Max. Drawbar Pull	: 31.850 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 290 lt / min
Pilot Pump	: Gear 30 lt /min

Relief Valves

Attachment (Boom, Arm, Bucket)	: 330 kgf / cm^2
Power Boost	: 360 kgf / cm^2
Travel	: 360 kgf / cm^2
Swing	: 280 kgf / cm^2
Pilot	: 40 kgf / cm^2

Cylinders

Main Boom	: 2 x 160 x 105 x 1,510 mm
Stick Cylinder	: 1 x 170 x 120 x 1,830 mm
Bucket Cylinder	: 1 x 150 x 105 x 1,320 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
- Automatical 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	:	588 lt	Engine Oil	:	38 lt
Hydraulic Tank	:	250 lt	Swing Reduction	:	6 lt
Hydraulic System	:	455 lt	Travel Reduction	:	2x10 lt
Radiator	:	39 lt			

ELECTRICAL SYSTEM

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

LUBRICATION

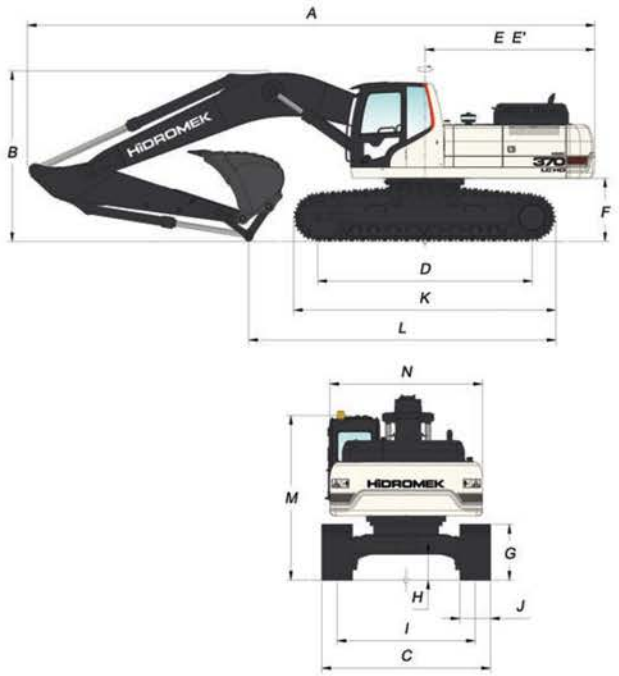
Centralized lubrication system is provided for lubricating all difficult-to-reach parts on the components, such as boom and arm.

OPERATING WEIGHT

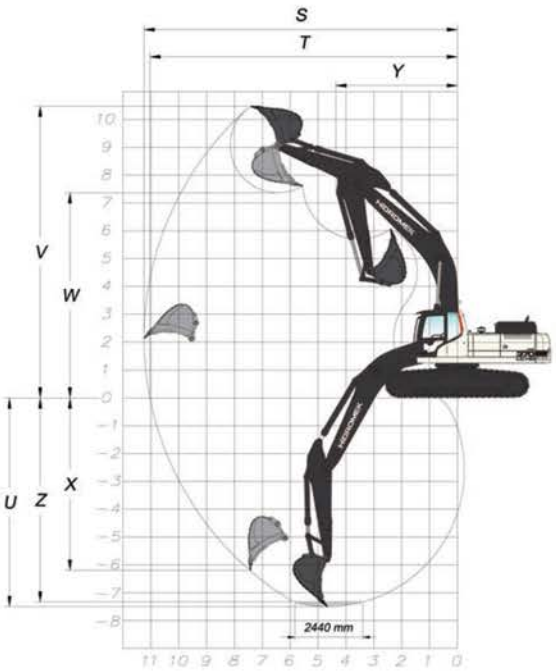
Standard machine operating weight (370LC)	: 38.350 kg
Standard machine operating weight (370NLC)	: 38.150 kg

HMK 370LC HD

I.



II.



I. GENERAL DIMENSIONS

Bom Dimension	*6.100 mm	
Arm Dimension	2.200 mm	*2.600 mm
A . Overall length	11.000 mm	10.890 mm
B . Overall height (to top of boom)	3.810 mm	3.660 mm
C . Of lower structure (LC)	*3.300/3.500/3.600 mm	
C . Of lower structure (NLC)	*2.990/3.190/3.290 mm	
D . Idler distance	4.240 mm	
E . Tail swing radius	3.400 mm	
F . Upperstructure ground clearence	3.450 mm	
G . Crawler height	1.250 mm	
H . Min. ground clearence	1.090 mm	
I . Track gauge (LC/NLC)	505 mm	
J . Shoe width	2.700 / 2.390 mm	
K . Overall length of crawler	*600 / 800 / 900 mm	
L . Length over ground	5.190 mm	
M . Overall height (to top of cab)	3.160 mm	
N . Upperstructure width	2.990 mm	

* Standard

II. WORKING DIMENSIONS

Bom Dimension	*6,100 mm	
Arm Dimension	2.200 mm	*2.600 mm
S . Max. digging reach	9.990 mm	10.330 mm
T . Max. digging reach at ground level	9.750 mm	10.100 mm
U . Max. digging depth	6.110 mm	6.510 mm
V . Max. digging height	10.000 mm	10.070 mm
W. Max. dumping height	6.810 mm	6.930 mm
X . Max. vertical digging depth	5.020 mm	5.140 mm
Y . Min. swing radius	4.370 mm	4.100 mm
Z . Max. digging depth (2440mm level)	5.910 mm	6.320 mm

(EN) March 2012

DIGGING PERFORMANCE

Standard Bucket Capacity	2.0 m^3(SAE)
Bucket Digging Force (Power Boost) ISO	23,800 (26,000) kgf
Arm Crowd Force (Power Boost) ISO	20,300 (22,200) kgf