



ENGINE

Model	: ISUZU AH-6UZ1X
Type	: Water-cooled, 4 cycle, 6 cylinders, line type, direct injection, turbocharger, intercooler, diesel engine
Power	: 348 HP / 1950 rpm / SAE J1349
Max. Torque	: 1400 Nm / 1500 rpm
Displacement	: 9839 cc
Bore and Stroke	: 120 mm x 145 mm
Emission Class	: FAZ III-A (Tier III) *
This new engine complies with the Emission regulations U.S. EPA Tier III and EU Stage III-A	

UNDERCARRIAGE

X Type Lower Frame Construction Pentagon Box Type Chassis	
Shoe	: Double grouser
No. Of Shoes	: 2 x 53
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Track Tensioning	: Hydraulic Spring Tensioning

CAB

- Wide cab and easy entrance
- Use of six viscomount cabin mountings that dampen the vibrations
- Cooled storage room
- Colourful, Easy to read TFT indicant monitor
- Glass holder, book and object storage pockets
- Full automatic digitally air-conditioner
- Overclass standarts on the visibility
- 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
- USB connected MP3 player
- Easy to open the front sliding glass
- Front and rear sun visor
- Large storage areas
- Height adjustable joystick
- Improved seat to back angle
- The height adjustable seat armrests
- Opera Control System

TRAVEL AND BRAKERS

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 3 stage planetary gear
Travel Speed	
High Speed	: 4.3 km/h
Low Speed	: 2.6 km/h
Max. Drawbar Pull	: 41.130 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type, integrated transmission

HYDRAULIC SYSTEM

Main Pump	
Type	: Double variable displacement axial piston pumps
Max. Flow	: 2 x 376 lt/min
Pilot Pump	: Gear Type, 29 lt/min
Relief Valves	
Attachment	: 320 kgf/cm ²
Power Boost	: 350 kgf/cm ²
Travel	: 350 kgf/cm ²
Swing	: 300 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Main Boom	: 2 x 170 x 115 x 1.650 mm
Stick Cylinder	: 1 x 190 x 130 x 1.870 mm
Bucket Cylinder	: 1 x 170 x 115 x 1.335 mm

Opera Control System

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

SWING SYSTEM

Swing Motor	: Axial piston type integrated with shock absorber valves
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Hydraulic multi disc type, automatic warnings
Swing Speed	: 8.9 rpm

CAPACITY

Fuel Tank	: 610 lt	Engine Oil	: 42 lt
Hydraulic Tank	: 505 lt	Swing Reduction	: 2x6 lt
Hydraulic System	: 635 lt	Travel Reduction	: 2x17.5 lt
Radiator	: 52.5 lt		

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V x 165 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5.5 kw

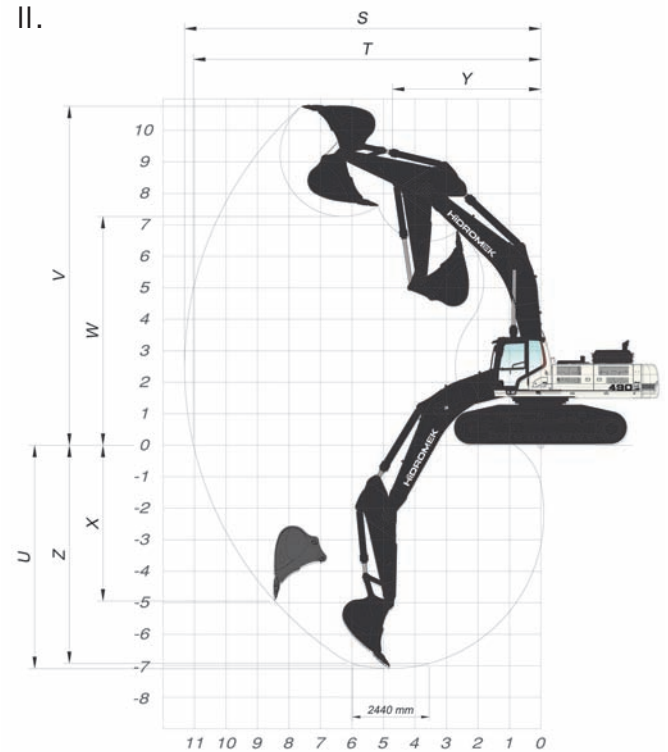
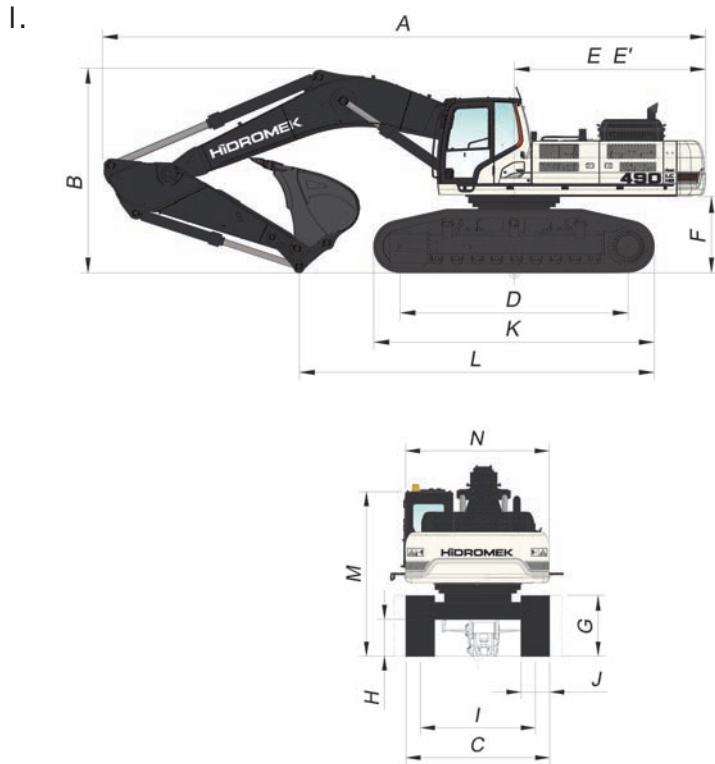
LUBRICATION

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

OPERATING WEIGHT

Standard machine operating weight	: 50.800 kg
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HMK 490 LC HD



I. GENERAL DIMENSIONS

Boom Dimension	* 6.550 mm
Arm Dimension	2.650 mm
A Overall Length	11.820 mm
B Overall Height (to top of boom)	4.040 mm
C Overall Width	* 3.350 mm
D Idler Distance	4.470 mm
E Counterweight Distance	3.760 mm
E' Turning Radius	3.840 mm
F Upper Structure Ground Clearance	1.390 mm
G Crawler Height	1.254 mm
H Minimum Ground Clearance	603 mm
I Track Gauge (LC/NLC)	2.750 mm
J Shoe Width	600 mm
K Overall Length of Crawler	5.500 mm
L Length Over Ground	7.400 mm
M Overall Height (to Top of Cab)	3.420 mm
N Upper Structure Width	2.990 mm

* Standard

II. WORKING DIMENSIONS

Boom Dimension	* 6.550 mm
Arm Dimension	2.650 mm
S Maximum Digging Reach	11.160 mm
T Maximum Digging Reach at Ground Level	10.900 mm
U Maximum Digging Depth	7.020 mm
V Maximum Digging Height	10.590 mm
W Maximum Dumping Clearance	6.990 mm
X Maximum Vertical Digging Depth	5.080 mm
Y Minimum Swing Radius	4.710 mm
Z Maximum Digging Depth (2440 mm level)	6.840 mm

III. DIGGING PERFORMANCE

Standard Bucket Capacity	2.7 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	26.100 (28.500) kgf
Arm Crowd Force (Power Boost) ISO	23.800 (26.000) kgf

HİDROMEK®

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Notice:

Hidromek has the right to modify the specifications and design of the model indicated on this brochure without prior notice.