



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 (Net) : 362 HP / 1950 rpm / SAE J1995 (Gross)
Max. Torque	: 1400 Nm / 1500 rpm (Net) : 1435 Nm / 1500 rpm (Gross)
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	: 4.4 km/h
Low Speed	: 2.7 km/h
Max. Drawbar Pull	: 42.150 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	: 325 kgf/cm ²
Power Boost	: 360 kgf/cm ²
Travel	: 355 kgf/cm ²
Swing	: 300 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Main Boom	: 2 x ø 170 x ø 115 x 1.650 mm
Stick Cylinder	: 1 x ø 190 x ø 130 x 1.870 mm
Bucket Cylinder	: 1 x ø 170 x ø 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	: 8.4 rpm

CAPACITY

Fuel Tank	: 610 lt	Engine Oil	: 42 lt
Hydraulic Tank	: 405 lt	Swing Reduction	: 2x3.5 lt
Hydraulic System	: 670 lt	Travel Reduction	: 2x7.5 lt
Radiator	: 60 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

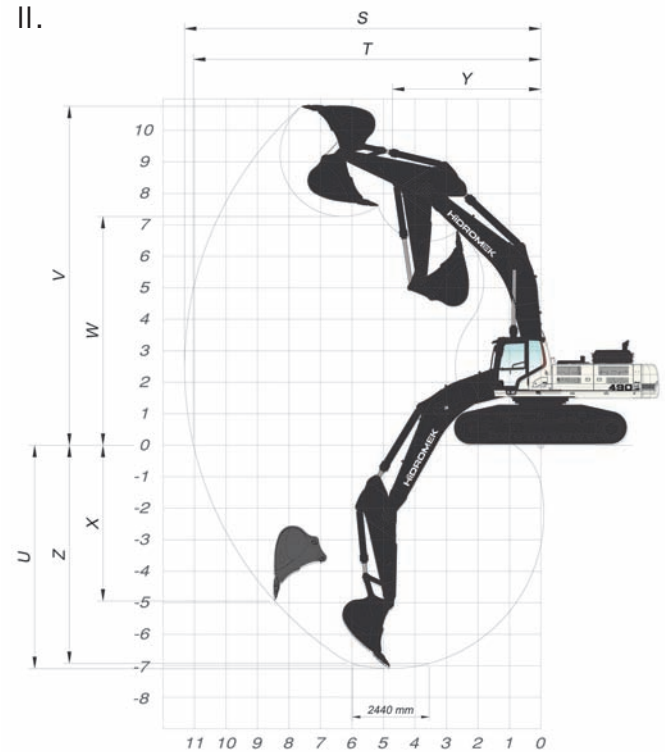
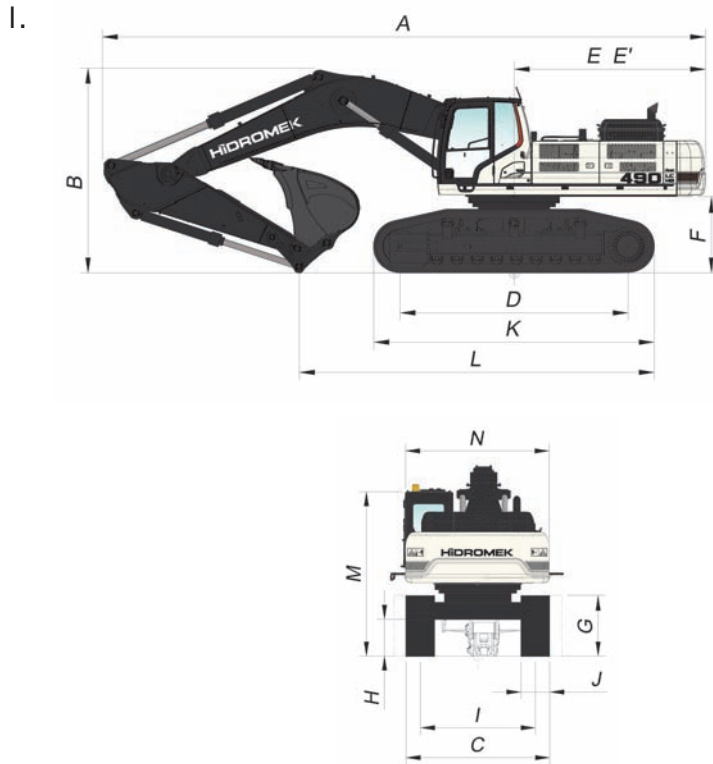
LUBRICATION

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 (600mm shoe with 2 teeth)	: 50.800 kg
Standard machine operating weight (600mm shoe with 3 teeth)	: 50.855 kg

HMK 490 LC HD



I. GENERAL DIMENSIONS

Boom Dimension	*6.300 mm
Arm Dimension	2.600 mm
A Overall Length	11.650 mm
B Overall Height (to top of boom)	4.030 mm
C Overall Width	*3.500 mm
D Idler Distance	4.470 mm
E Counterweight Distance	3.800 mm
E' Turning Radius	3.840 mm
F Upper Structure Ground Clearance	1.390 mm
G Crawler Height	1.250 mm
H Minimum Ground Clearance	600 mm
I Track Gauge	2.750 / 2.900 mm
J Shoe Width	600 mm
K Overall Length of Crawler	5.520 mm
L Length Over Ground	7.240 mm
M Overall Height (to Top of Cab)	3.350 mm
N Upper Structure Width	2.990 mm

* Standard

II. WORKING DIMENSIONS

Boom Dimension	*6.300 mm
Arm Dimension	2.600 mm
S Maximum Digging Reach	10.770 mm
T Maximum Digging Reach at Ground Level	10.490 mm
U Maximum Digging Depth	6.470 mm
V Maximum Digging Height	10.520 mm
W Maximum Dumping Clearance	6.950 mm
X Maximum Vertical Digging Depth	4.460 mm
Y Minimum Swing Radius	4.170 mm
Z Maximum Digging Depth (2440 mm level)	6.300 mm

III. DIGGING PERFORMANCE

Standard Bucket Capacity	3.0 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	24.900 (28.900) kgf
Arm Crowd Force (Power Boost) ISO	26.700 (28.000) 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.