


NEW!

ENGINE

Model	: ISUZU AQ-6UZ1X
Type	: Water-cooled, 4 cycle, 6 cylinders, line type, direct injection, turbocharger, intercooler, diesel engine
Power	: 362 HP (270 kW) @2000 rpm / SAE J1995 (Gross)
Max. Torque	: 1435 Nm @1500 rpm (Gross)
Displacement	: 9839 cc
Bore and Stroke	: \varnothing 120 mm x 145 mm

This new engine complies with the Emission regulations U.S. EPA Tier 4 Final and EU Stage IV

UNDERCARRIAGE

X Type Lower Frame Construction Pentagon Box Type Chassis	
Shoe	: 3 grouser
No. Of Shoes	: 2 x 50
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Full Trackguard	: Complete
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 flor 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	: 4,7 km/h
Low Speed	: 2,86 km/h
Max. Drawbar Pull	: 35.295 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type, integrated transmission

LUBRICATION

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

HYDRAULIC SYSTEM

Main Pump	
Type	: Double variable displacement axial piston pumps
Max. Flow	: 2 x 370 L/min
Pilot Pump	: 29 L/min
Relief Valves	
Attachment	: 325 kgf/cm ²
Power Boost	: 355 kgf/cm ²
Travel	: 325 kgf/cm ²
Swing	: 300 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Main Boom	: 2 x \varnothing 170 x \varnothing 115 x 1.650 mm
Stick Cylinder	: 1 x \varnothing 190 x \varnothing 130 x 1.870 mm
Bucket Cylinder	: 1 x \varnothing 170 x \varnothing 120 x 1.335 mm

OPERA CONTROL SYSTEM

- Automatic idling Selection of multi-language on control panel
- Improved fuel economy and productivity
- Automatical electric power-off
- Maximum efficiency by selection of power and work modes
- Error mode registry and warning system
- Hidromek Smartlink
- Automatic preheating
- Automatical powerboost (Optional)
- Overheat prevention and protection system without interrupting the work
- Easy-to-use control panel and menus
- Rear-view, arm-view camera (Optional)
- Possibility to register 27 different operating hours
- Anti-theft system with personal code
- Real time monitoring of operational parameters such as pressure, temperature, engine load

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	: 655 L	Engine Oil	: 44 L
Hydraulic Tank	: 515 L	Swing Reduction	: 2 x 3,5 L
Hydraulic System	: 615 L	Travel Reduction	: 2 x 7,5 L
Radiator	: 55 L	Urea Tank	: 70 L

ELECTRICAL SYSTEM

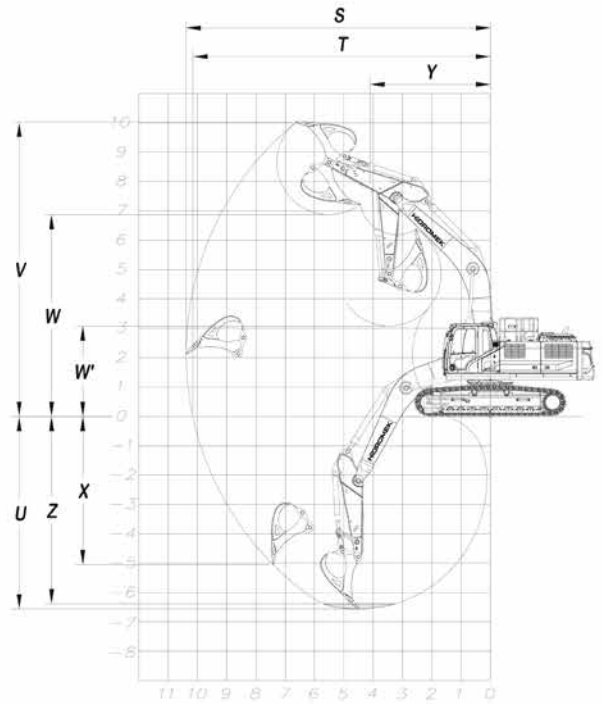
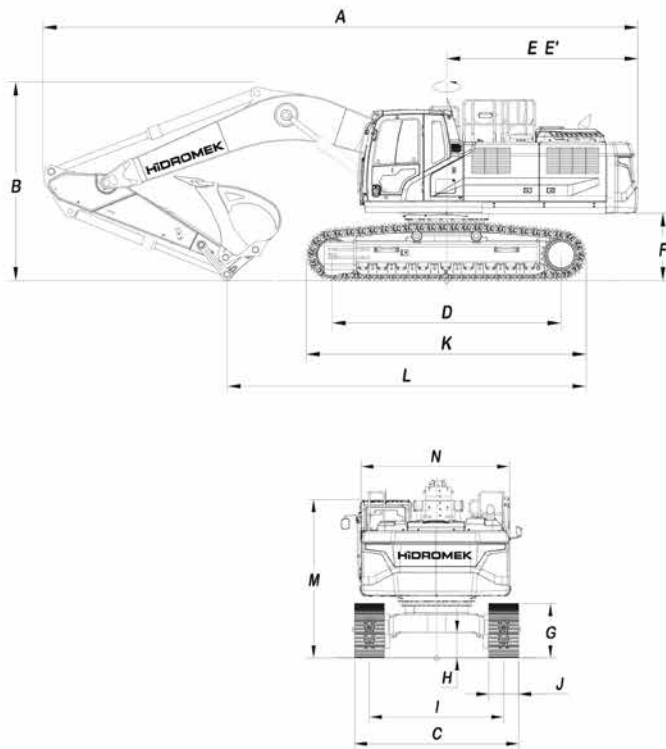
Voltage	: 24 V
Battery	: 2 x 12 V x 165 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5,5 kw

OPERATING WEIGHT

Standard machine operating weight : 51.800 kg

Operational weight, complying with the ISO 6016 standards, includes full fuel tank, hydraulic system and other liquids, 75kg operator weight and standard equipped machine weight. Optional equipments are not included.

HMK 490 LC HD H4



GENERAL DIMENSIONS

Boom Dimension	*6.300 mm	
Arm Dimension	*2.600 mm	2.900 mm
A - Overall Length	11.670 mm	11.740 mm
B - Overall Height (to top of boom)	4.280 mm	4.170 mm
C - Overall Width	3.500 mm	
D - Idler Distance	4.400 mm	
E - Counterweight Distance	3.880 mm	
E' - Turning Radius	3.915 mm	
F - Upper Structure Ground Clearance	1.385 mm	
G - Crawler Height	1.230 mm	
H - Minimum Ground Clearance	600 mm	
I - Track Gauge	2.900 mm	
J - Shoe Width	600 mm	
K - Overall Length of Crawler	5.470 mm	
L - Length Over Ground	7.590 mm	6.890 mm
M - Overall Height (to Top of Cab)	3.350 mm	
N - Upper Structure Width	2.990 mm	

* Standard

WORKING DIMENSIONS

Boom Dimension	*6.300 mm	
Arm Dimension	*2.600 mm	2.900 mm
S - Maximum Digging Reach	10.770 mm	11.040 mm
T - Maximum Digging Reach at Ground Level	10.490 mm	10.770 mm
U - Maximum Digging Depth	6.480 mm	6.790 mm
V - Maximum Digging Height	10.520 mm	10.620 mm
W - Maximum Dumping Clearance	6.940 mm	7.050 mm
W' - Minimum Dumping Clearance	3.330 mm	3.030 mm
X - Maximum Vertical Digging Depth	4.470 mm	4.750 mm
Y - Minimum Swing Radius	4.300 mm	4.360 mm
Z - Maximum Digging Depth (2440 mm level)	6.300 mm	6.620 mm

* Standard

DIGGING PERFORMANCE

Standard Bucket Capacity	3,2 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	26.100 (28.500) kgf
Arm Crowd Force (Power Boost) ISO	25.200 (27.600) kgf

HIDROMEK®

FACTORY - HEAD OFFICE

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Notice:
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