



ENGINE

Model	: ISUZU GI-4HK1X
Type	: Water-cooled, 4 cycle, 4 cylinders, line type direct injection, turbocharger, intercooler, electronic diesel engine
Power	: 161 HP (124 kW) @2000 rpm / SAE J1995 (Gross) : 151 HP (131 kW) @2000 rpm / SAE J1349 (Net)
Max. Torque	: 670 Nm @1600 rpm (Gross)
Displacement	: 5193 cc
Bore and Stroke	: 115 mm x 125 mm
Emission Class	: R96 (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
• High resolution, led backlight, color LCD display
• 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 joysticks.

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	: 12,60 rpm

TRAVEL AND BRAKERS

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 2 stage planetary gear
Travel Speed	
High Speed	: 5,8 km/h
Low Speed	: 3,8 km/h
Max. Drawbar Pull	: 18.310 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type
Ground Pressure (600mm Shoe)	: 0,50 kgf/cm ²

HYDRAULIC SYSTEM

Main Pump	
Type	: Double variable displacement axial piston pumps
Max. Flow	: 2 x 233 L/min
Pilot Pump	: Gear, 20 L/min
Relief Valves	
Attachment	: 350 kgf/cm ²
Power Boost	: 370 kgf/cm ²
Travel	: 350 kgf/cm ²
Swing	: 306 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Main Boom	: 2 x ø 120 x ø 85 x 1.300 mm
Stick Cylinder	: 1 x ø 135 x ø 95 x 1.520 mm
Bucket Cylinder	: 1 x ø 120 x ø 85 x 1.060 mm

OPERA CONTROL SYSTEM

• Easy-to-use control panel and menu	• Maintenance information and warning system
• Improved fuel economy and productivity	• Automatic powershift to improve performance
• Maximum efficiency by selection of power and work modes	• Selection of multi-language on control panel.
• Overheat prevention and protection system without interrupting the work	• Real time monitoring of operational parameters such as pressure, temperature, engine load
• Automatic powerboost switch-on and switch-off	• Anti-theft system with personal code
• Automatic electric power-off	• Possibility to register 27 different operating hours
• Maintenance information and warning system	• Rear-view, arm-view camera (Optional)
• Error mode registry and warning system	• HIDROMEK Smartlink (Optional)
• Ability to adjust hydraulic flow from Opera screen	

CAPACITY

Fuel Tank	: 345 L	Engine Cooling System	: 20 L
Hydraulic Tank	: 152 L	Engine Oil	: 14,5 L
Hydraulic System	: 285 L		

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V / 100 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24V / 5 kW

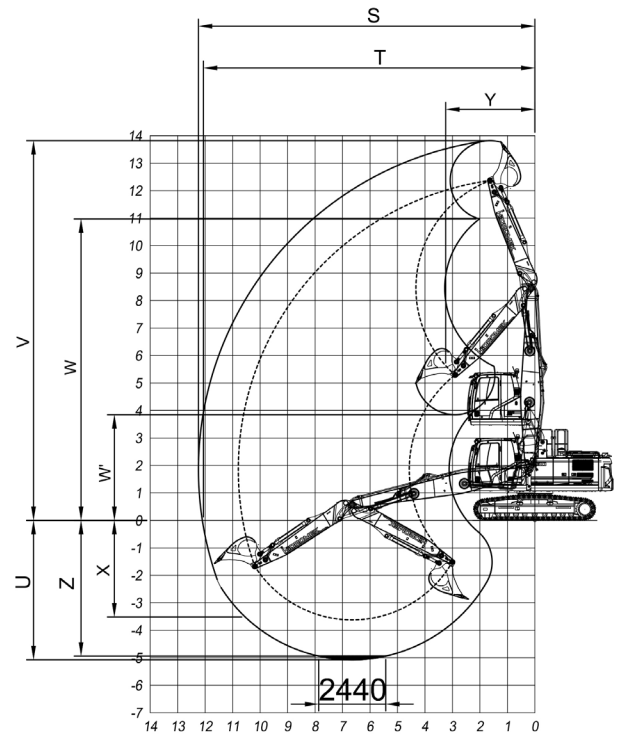
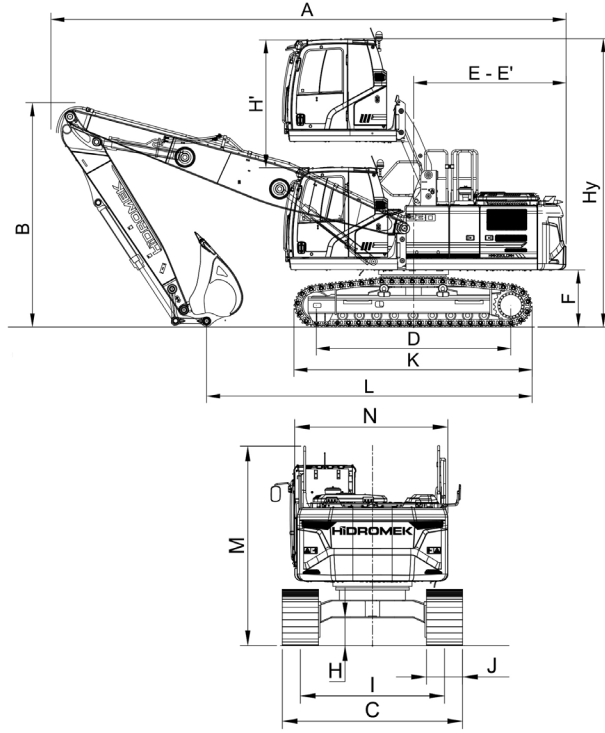
LUBRICATION

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	: 24.800 kg
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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.



GENERAL DIMENSIONS

Boom Dimension (Straight Bom)	6.600 mm
Arm Dimension	4.200 mm
A - Overall Length	9.640 mm
B - Boom Height (Travel)	4.200 mm
C - Lower Frame Width	2.990 mm
D - Track Base Length	3.640 mm
E - Counterweight Distance	2.810 mm
E' - Counterweight Turning Radius	2.840 mm
F - Counterweight Clearance	1.065 mm
G - Crawler (Track) Height	935 mm
H - Ground Clearance	465 mm
H' - Cab Rising Distance	2.400 mm
Hy - Total Cab Height	5.380 mm
I - Track Gauge	2.390 mm
J - Shoe Width	600 mm
K - Lower Chasis Length	4.460 mm
L - Shipping Length	4.100 mm
M - Cab Height	3.010 mm
N - Upper Frame Width	2.740 mm

WORKING DIMENSIONS

Boom Dimension (Straight Bom)	6.600 mm
Arm Dimension	4.200 mm
S - Max. Digging Reach	12.270 mm
T - Max. Digging Reach at Ground Level	12.120 mm
U - Max. Digging Depth	5.090 mm
V - Max. Digging Height	13.840 mm
W - Max. Dumping Height	10.900 mm
W' - Min. Dumping Height	3.820 mm
X - Maximum Vertical Digging Depth	4.480 mm
Y - Minimum Swing Radius	3.250 mm
Z - Maximum Digging Depth (2440 mm level)	4.960 mm



HİDROMEK®

FACTORY - HEAD OFFICE

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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.