



NEW!

## ENGINE

Model	: ISUZU-GH-6HK1X
Type	: Water-cooled, 4 cycle, 6 cylinders, line type direct injection, turbocharger, intercooler, electronic diesel engine
Power	: 239 HP (178 kW) @1900 rpm / SAE J1995 (Gross)
Max. Torque	: 1014 Nm @1400 rpm (Gross)
Displacement	: 7790 cc
Bore and Stroke	: 115 mm x 125 mm
Emission Class	: R96 (Stage-IIIa)

## SUB-FRAME

X Type Lower Frame Construction Pentagon Box Type Chassis	
Shoe	: Triple grouser
No. Of Shoes	: 2 x 51
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Full Trackguard	: 2 x 3
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.

## TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motor	: Axial piston motor with 2 speed stages and inclined plate
Reduction	: Planetary gear system with 2 stages
Travel Speed	
High Speed	: 5,1 km/h
Low Speed	: 3,0 km/h
Max Traction	: 25.100 kgf
Gradeability	: 35° (70%)
Parking Brake	: Hydraulic, disc type with automatic warning
Ground pressure (600mm)	: 0,49 kgf/cm <sup>2</sup>

## 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	: 2 axial piston type pumps with doublevariable displacement and inclined plate
Max. Flow Rate	: 2 x 259 L/min
Pilot Pump	: Gear type, 27 L/min
Working Pressures	
Cylinders	: 350 kgf/cm <sup>2</sup>
Power Boost	: 380 kgf/cm <sup>2</sup>
Travel	: 350 kgf/cm <sup>2</sup>
Swing	: 285 kgf/cm <sup>2</sup>
Pilot	: 40 kgf/cm <sup>2</sup>
Cylinders	
Boom	: 2 x ø 135 x ø 95 x 1.455 mm
Arm	: 1 x ø 150 x ø 105 x 1.760 mm
Bucket	: 1 x ø 95 x ø 70 x 910 mm

## OPERA CONTROL SYSTEM

• Easy-to-use control panel and menu	• Automatic preheater
• Improved fuel economy and productivity	• Auto-Idle and automatic deceleration system
• Selection of multi-language on control panel	• Automatic powershift to improve performance
• Automatic powerboost switch-on and switch-off	• Maximum efficiency by selection of power and work modes
• Overheat prevention and protection system without interrupting the work	• Real time monitoring of operational parameters such as pressure, temperature, engine load
• Automatic electric cut-off	• Anti-theft system with personal code
• Maintenance information and warning system	• Possibility to register 27 different operating hours
• Error mode registry and warning system	• Rear-view, arm-view camera
• GPRS satellite tracking system (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	: 10,4 rpm

## CAPACITY

Fuel Tank	: 475 L	Radiator	: 55 L
Hydraulic Tank	: 210 L	Engine Oil	: 38 L
Hydraulic System	: 395 L		

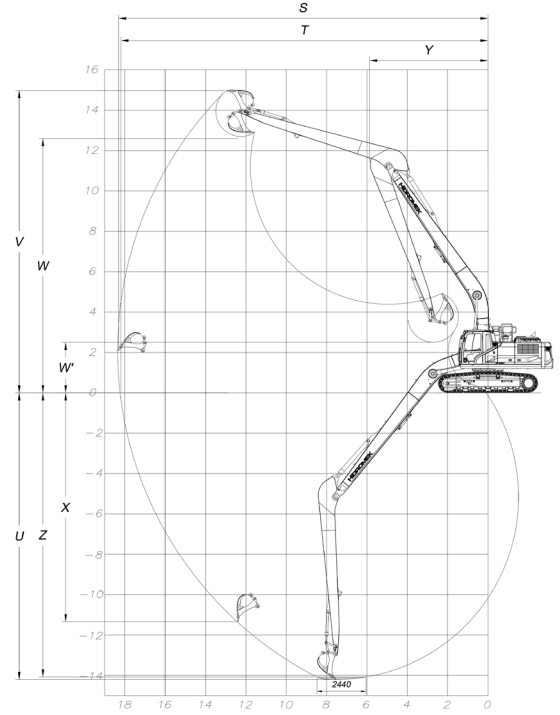
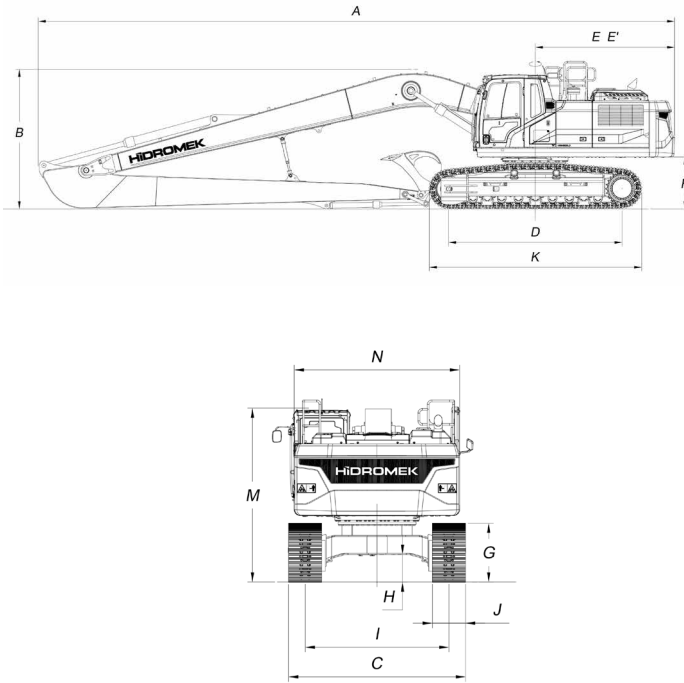
## ELECTRICAL SYSTEM

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

## WEIGHT

Standard machine operating weight	: 35.100 kg
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Operational weight, complying with the ISO 6016 standards, includes full fuel tank, hydraulic system and other liquids, 75 kg operator weight and standard equipped machine weight. Optional equipments are not included.



## GENERAL DIMENSIONS

Boom Dimension	10.300 mm
Arm Dimension	7.800 mm
A - Overall Length	14.800 mm
B - Overall Height (to top of boom)	3.270 mm
C - Overall Width	3.400 mm
D - Idler Distance	4.030 mm
E - Counterweight Distance	3.240 mm
E' - Turning Radius	3.295 mm
F - Upper Structure Ground Clearance	1.200 mm
G - Crawler Height	1.065 mm
H - Minimum Ground Clearance	505 mm
I - Track Gauge	2.600 mm
J - Shoe Width	800 mm
K - Overall Length of Crawler	4.940 mm
L - Length Over Ground	4.820 mm
M - Overall Height (to Top of Cab)	3.125 mm
N - Upper Structure Width	3.000 mm

\* Standard

## WORKING DIMENSIONS

Boom Dimension	10.300 mm
Arm Dimension	7.800 mm
S - Maximum Digging Reach	18.360 mm
T - Maximum Digging Reach at Ground Level	18.240 mm
U - Maximum Digging Depth	14.250 mm
V - Maximum Digging Height	14.920 mm
W - Maximum Dumping Clearance	12.550 mm
W' - Minimum Dumping Clearance	2.500 mm
X - Maximum Vertical Digging Depth	12.570 mm
Y - Minimum Swing Radius	5.930 mm
Z - Maximum Digging Depth (2440 mm level)	14.140 mm

## DIGGING PERFORMANCE

Standard Bucket Capacity (SAE)	0,6 m <sup>3</sup>
Bucket Digging Force (Power Boost) ISO	10.500 kgf
Arm Crowd Force (Power Boost) ISO	6.900 kgf



## HIDROMEK®

### FACTORY - HEAD OFFICE

Ahi Evran OSB Mahallesi Osmanlı Caddesi No:1 06935 Sincan / ANKARA / TURKEY  
Tel: (+90) 312 267 12 60 Fax: (+90) 312 267 12 39  
www.hidromek.com

### Notice:

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