



ENGINE

Brand, Model	: ISUZU-AI-4HK1X
Type	: Water cooled diesel engine, 4 cycles, 4 cylinders, line-type, direct injection, turbocharger and intercooler
Power	: 162 HP at 2000 rpm SAE J1349 (Net) : 172 HP at 2000 rpm SAE J1995 (Gross)
Maximum Torque	: 656 Nm at 1500 rpm (Net) : 677 Nm at 1500 rpm (Gross)
Displacement	: 5193 cc
Bore x Stroke	: 115 mm x 125 mm
This new engine complies with the Emission Regulations U.S EPA Tier III and EU Stage III-A, 97/68 EC	

LOWER STRUCTURE (CHASSIS)

Chassis	: Box shaped, reinforced lower chassis, front dozer blade and rear outriggers (stabilizers) as standard figures.
Axles	: The pivot pin mounted front axle allows two options: 8° in each direction for best matching conditions, or could be locked at any desired position for perfect stability.
Tires	: 10,00 - 20TT (16 pr)

CAB

<ul style="list-style-type: none"> Improved operator's all round visibility Increased cabin internal space Use of six viscomount cabin mountings that dampen the vibrations High capacity A/C Cooled storage box 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 levers

STEERING SYSTEM

The "orbitrol" type steering system controls a steering cylinder located on the front axle. Minimum turning radius is 7.400 mm.

TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motor	: Piston motor with variable displacement.
Reduction	: Planetary gear system with 2 stages
Travel Speed	
High	: 30 km/h
Low	: 7,5 km/h
Max Traction	: 10.800 kgf
Gradeability	: 29° (%56)
Parking Brake	: Hydraulic, disc type with automatic warning
Service Brake	: Fully hydraulically operating disc type brakes with spring return, independent for front and rear axles.

LUBRICATION

A central lubrication system is available in order to lubricate difficult-to-reach points such as boom and arm.

HYDRAULIC SYSTEM

Main Pump	
Type	: 2 axial piston type pumps with double variable displacement and inclined plate
Max. Flow Rate	: 2 x 234 lt/min
Pilot Pump	: Gear type, 20 lt/min (10 cc/rev)
Working Pressures	
Cylinders	: 330 kgf/cm ²
Power Boost	: 360 kgf/cm ²
Travel	: 360 kgf/cm ²
Swing	: 240 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Boom	: 2 x ø 125 x ø 85 x 1.300 mm
Arm	: 1 x ø 140 x ø 100 x 1.640 mm
Bucket	: 1 x ø 125 x ø 85 x 1.060 mm

SWING SYSTEM

Swing Motor	: Axial piston type integrated with shock absorber valves.
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Hydraulic multi discs type.
Swing Speed	: 10,8 rpm

Opera Control System

<ul style="list-style-type: none"> Easy-to-use control panel and menu Improved fuel economy and productivity Maximum efficiency by selection of power and work modes Overheat prevention and protection system without interrupting the work Automatic powerboost switch-on and switch-off Automatic electric power-off Maintenance information and warning system Error mode registry and warning system Hidromek Smartlink (Optional) 	<ul style="list-style-type: none"> Maintenance information and warning system Automatic powershift to improve performance Selection of multi-language on control panel. Real time monitoring of operational parameters such as pressure, temperature, engine load Anti-theft system with personal code Possibility to register 26 different operating hours Rear-view, arm-view camera (Optional)
--	--

FILLING CAPACITIES

Fuel Tank	: 330 lt	Transmission	: 2,9 lt
Hydraulic Tank	: 159 lt	Engine Oil	: 20,5 lt
Hydraulic System	: 315 lt	Engine Cooling Sys	: 29,3 lt
Swing Reduction Gear	: 5 lt	Front/Rear Axle	: 14,6/18 lt

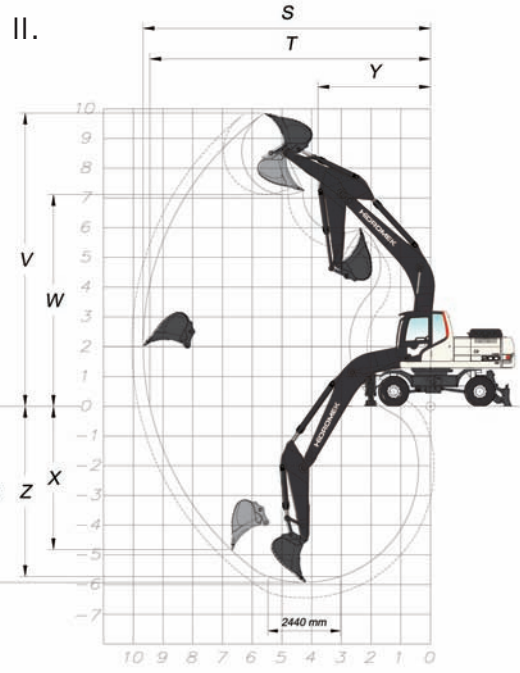
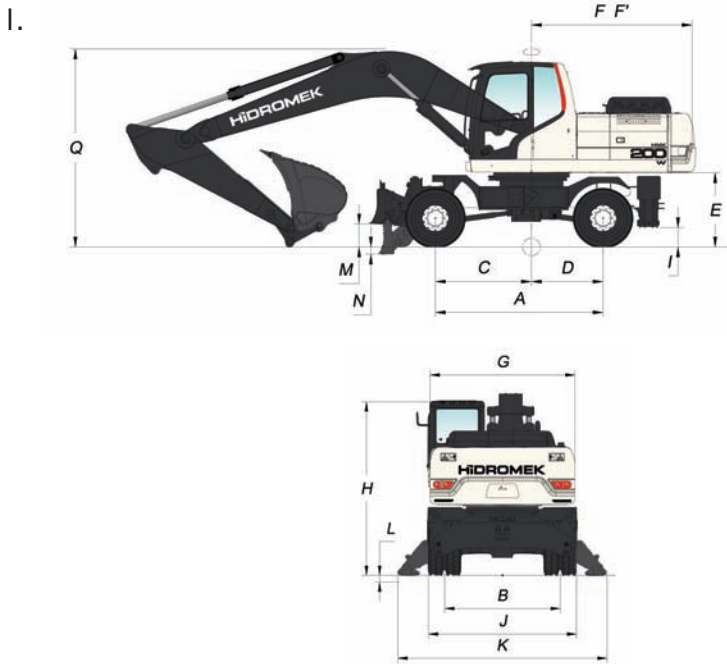
ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V / 100 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5,0 kw

OPERATING WEIGHT

Standard machine operating weight (200W) (Dozer Blade and Outriggers)	: 22.100 kg
Standard machine operating weight (200W) (Front and Rear Outriggers)	: 22.370 kg

HMK 200 W



I. GENERAL DIMENSIONS

Boom Dimension	5.600 mm	
Arm Dimension	*2.400 mm	2.920 mm
A - Axle Distance	2.850 mm	
B - Thread	1.874 mm	
C - Rotation Axis - Front Axle Distance	1.500 mm	
D - Rotation Axis - Rear Axle Distance	1.350 mm	
E - Upper Chassis to Ground Clearance	1.290 mm	
F - Counterweight Distance	2.780 mm	
F' - Countweight Turning Radius	2.800 mm	
G - Upper Frame Width	2.500 mm	
H - Cab Height	3.350 mm	
I - Outrigger Ground Clearance	335 mm	
J - Width at Tires	2.480 mm	
K - Outrigger Width (Overall)	3.800 mm	
L - Outrigger Digging Depth	130 mm	
M - Dozer Blade Ground Clearance	370 mm	
N - Dozer Blade Digging Depth	135 mm	
O - Overall Length / Travel	9.660 mm	9.670 mm
P - Overall Length / Transport	9.570 mm	9.570 mm
Q - Boom Height / Travel	3.570 mm	3.790 mm
R - Boom Height / Transport	3.330 mm	3.320 mm

* Standard

II. WORKING DIMENSIONS

Boom Dimension	5.600 mm	
Arm Dimension	*2.400 mm	2.920 mm
S - Maximum Digging Reach	9.390 mm	9.780 mm
T - Maximum Digging Reach at Ground Level	9.160 mm	9.560 mm
U - Maximum Digging Depth	5.790 mm	6.310 mm
V - Maximum Digging Height	9.930 mm	9.880 mm
W - Maximum Dumping Clearance	7.110 mm	7.200 mm
X - Maximum Vertical Digging Depth	4.440 mm	4.610 mm
Y - Minimum Swing Radius	3.230 mm	3.190 mm
Z - Maximum Digging Depth (2440 mm level)	5.580 mm	6.120 mm

* Standard

III. DIGGING PERFORMANCE

Standard Bucket Capacity	0,9 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	15.700 (17.200) kgf
Arm Crowd Force (Power Boost) ISO	13.200 (14.500) kgf



HIDROMEK®

FACTORY - HEAD OFFICE

Ayas yolu 25. km 1. Organize Sanayi Bölgesi 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.