



ENGINE

Model	: ISUZU-AI-4HK1X
Type	: Water-cooled, 4 cycle, 4 cylinders, line type direct injection, turbocharger, intercooler, electronic diesel engine.
Power	: 162 HP/ 2000 rpm SAE J1349
Max. Torque	: 656 Nm/ 1500 rpm
Displacement	: 5,193 cc
Bore and Stroke	: 115 mm x 125 mm
This new engine complies with the Emission Regulations U.S. EPA Tier III, and EU Stage III A.	

LOWER STRUCTURE (CHASSIS)

Chasis	: Box shaped, reinforced lower chassis, front dozer blade and rear outriggers (stabilizers) as standard figures.
Axes	: 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	: 10.00-20 (16 pr)

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
- 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 levers

SWING SYSTEM

Swing Motor	: Axial piston type integrated with shock absorber valves.
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Hydraulic multi disc type.
Swing Speed	: 11 rpm

TRAVEL AND BRAKES

Travel	: Fully hydrostatic.
Travel Motors	: Axial piston type.
Reduction	: 2 stage planetary gear.
Travel Speed	
High Speed	: 22.5 km/h
Low Speed	: 8 km /h
Max. Drawbar Pull	: 11.500 kgf
Gradeability	: 30° (%58)
Service Brake	: Independent front/rear style (double circuit) hydraulic power brake system. Pressure engaged/spring released type. Located "on hub" for ideal stability and safety.

HYDRAULIC SYSTEM

Main Pump

Type	: Double variable displacement axial piston pumps.
Max. Flow	: 2 x 234 lt/min
Pilot Pump	: Gear, 19 lt/min

Relief Valves

Attachment (Boom, Arm, Bucket)	: 330 kgf / cm ²
Power Boost	: 350 kgf / cm ²
Travel	: 350 kgf / cm ²
Swing	: 240 kgf / cm ²
Pilot	: 40 kgf / cm ²

Cylinders

Main Boom	: 2 x 125 x 85 x 1,325 mm
Stick Cylinder	: 1 x 140 x 100 x 1,640 mm
Bucket Cylinder	: 1 x 125 x 85 x 1,060 mm

Opera Control System

- Easy-to-use control panel and menus
- Improved fuel economy and productivity
- Maximum efficiency by selection of power and work modes
- Overheat prevention and protection system without interrupting the work
- Automatical powerboost switch-on and switch-off
- Automatical electric power-off
- Maintenance information and warning system
- Error mode registry and warning system
- Hidromek Smartlink (Optional)
- Automatic preheating
- Auto-Idle and automatic deceleration 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)

STEERING SYSTEM

The "orbitrol" type steering system controls a steering cylinder located on the front axle. Minimum turning radius is 6900 mm.

CAPACITY

Fuel Tank	: 354 lt	Transmission	: 3 lt
Hydraulic Tank	: 165 lt	Engine Oil	: 20.5 lt
Hydraulic System	: 305 lt	Radiator	: 29.3 lt
Swing Reduction	: 5 lt	Front/Rear Axle	: 14/16 lt

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V x 100 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5.0 kw

LUBRICATION

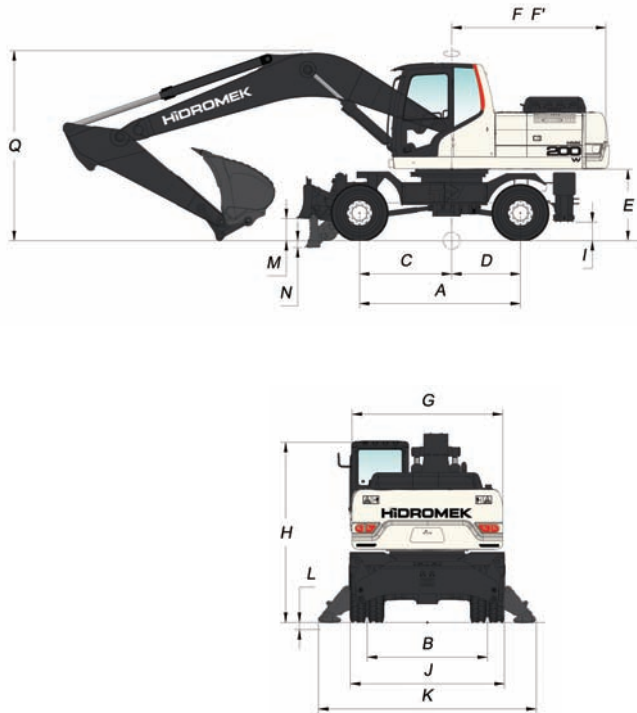
Centralized lubrication system is provided for lubrication all difficult-to-reach parts on the components, such as boom and arm.

OPERATING WEIGHT

21.800 kg

HMK 200W

I.

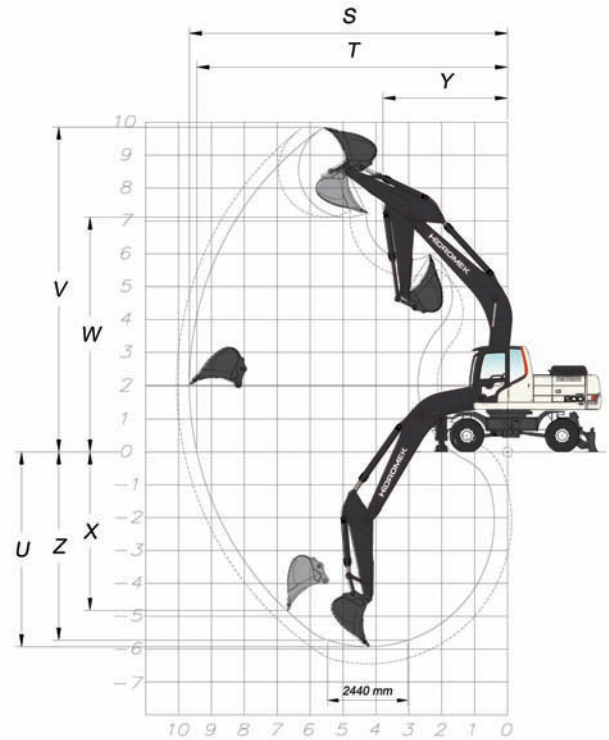


I. GENERAL DIMENSIONS

Boom Dimension	5.600 mm	
Arm Dimension	*2.400 mm	2.920 mm
A . Axle distance	2.850 mm	
B . Tread	1.874 mm	
C . Turning axis - Front axle distance	1.500 mm	
D . Turning axis - Rear axle distance	1.350 mm	
E . Upperstructure ground clearance	1.290 mm	
F . Tail swing radius	2.780 mm	
F' . Tail swing radius	2.800 mm	
G . Upperstructure width	2.500 mm	
H . Overall height (to top of cab)	3.350 mm	
I . Min. ground clearance	335 mm	
J . Width at tires	2.480 mm	
K . Outrigger width (overall)	3.800 mm	
L . Depth of outriggers down	130 mm	
M . Dozer blade clearing	370 mm	
N . Depth of blade down	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	3.120 mm

*Standard

II.



II. WORKING DIMENSIONS

Boom Dimension	5,600 mm	
Arm Dimension	*2.400 mm	2.920 mm
S . Max. digging reach	9.420 mm	9.780 mm
T . Max. digging reach at ground level	9.200 mm	9.560 mm
U . Max. digging depth	5.780 mm	6.300 mm
V . Max. digging height	9.930 mm	9.880 mm
W . Max. dumping height	7.180 mm	7.200 mm
X . Max. vertical digging depth	4.570 mm	4.630 mm
Y . Min. swing radius	3.250 mm	3.170 mm
Z . Max. digging depth (2440mm level)	5.580 mm	6.110 mm

III. DIGGING PERFORMANCE

Standard Bucket Capacity	0.9 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	15.800 (17.200) kgf
Arm Crowd Force (Power Boost) ISO	13.200 (14.400) kgf



HIDROMEK®

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Notice:

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