



## ENGINE

Model	: ISUZU AI-4JJ1X
Type	: Water cooled, 4 cycle, 4 cylinders, line type direct injection, turbocharger, intercooler, electronic diesel engine
Power	: 123 HP (92 kW) @2200 rpm / SAE J1995 (Gross) : 113 HP (84,7 kW)@2200 rpm / SAE J1349 (Net)
Max. Torque	: 420 Nm @1800 rpm (Gross) : 393 Nm @1800 rpm (Net)
Displacement	: 2999 cc
Bore and Stroke	: 95,4 mm x 104,9 mm
Emission Class	: Stage IIIA / Tier 3 (EU/EPA)

## LOWER STRUCTURE (CHASSIS)

Chassis	: Box shaped, reinforced lower chassis
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 - 20 (Solid Tire)

## CAB

<ul style="list-style-type: none"> <li>• Improved operator's all round visibility</li> <li>• Increased cabin internal space</li> <li>• Use of six viscomount cabin mountings that dampen the vibrations</li> <li>• High capacity A/C</li> <li>• Opera Control System</li> <li>• Cooled storage room</li> <li>• Glass holder, book and object storage pockets</li> <li>• Pool type floor mat</li> <li>• Improved operator's comfort through versatile adjustable seat</li> </ul>
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## TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 2 stage planetary gear
Travel Speed	
High Speed	: 34 km/h
Low Speed	: 9,5 km/h
Max. Drawbar Pull	: 7.417 kqf
Gradeability	: 27° (%51)
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.

## STEERING SYSTEM

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

## 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 160 L/min
Pilot Pump	: Gear, 22 L/min
Relief Valves	
Attachment (Boom, Arm, Bucket)	: 330 kqf/cm <sup>2</sup>
Power Boost	: 360 kqf/cm <sup>2</sup>
Travel	: 360 kqf/cm <sup>2</sup>
Swing	: 260 kqf/cm <sup>2</sup>
Pilot	: 40 kqf/cm <sup>2</sup>
Cylinders	
Main Boom	: 2 x ø 110 x ø 75 x 1080 mm
Stick Cylinder	: 1 x ø 115 x ø 80 x 1.225 mm
Bucket Cylinder	: 1 x ø 100 x ø 70 x 910 mm

## OPERA CONTROL SYSTEM

<ul style="list-style-type: none"> <li>• Easy-to-use control panel and menus</li> <li>• Improved fuel economy and productivity</li> <li>• Automatical electric power-off</li> <li>• Selection of multi-language on control panel</li> <li>• Maximum efficiency by selection of power and work modes</li> <li>• Automatic preheating</li> <li>• Anti-theft system with personal code</li> <li>• Hidromek Smartlink (Optional)</li> <li>• Cruise control travel speed</li> <li>• Auto-Idle and automatic deceleration system</li> </ul>	<ul style="list-style-type: none"> <li>• Overheat prevention and protection system without interrupting the work</li> <li>• Automatical powerboost switch-on and switch-off</li> <li>• Maintenance information and warning system</li> <li>• Rear-view, arm-view camera (Optional)</li> <li>• Possibility to register 26 different operating hours</li> <li>• Error mode registry and warning system</li> <li>• Real time monitoring of operational parameters such as pressure, temperature, engine load</li> </ul>
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## 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	: 12,5 rpm

## CAPACITY

Fuel Tank	: 280 L	Engine Oil	: 16 L
Hydraulic Tank	: 120 L	Radiator	: 20 L
Hydraulic System	: 235 L		

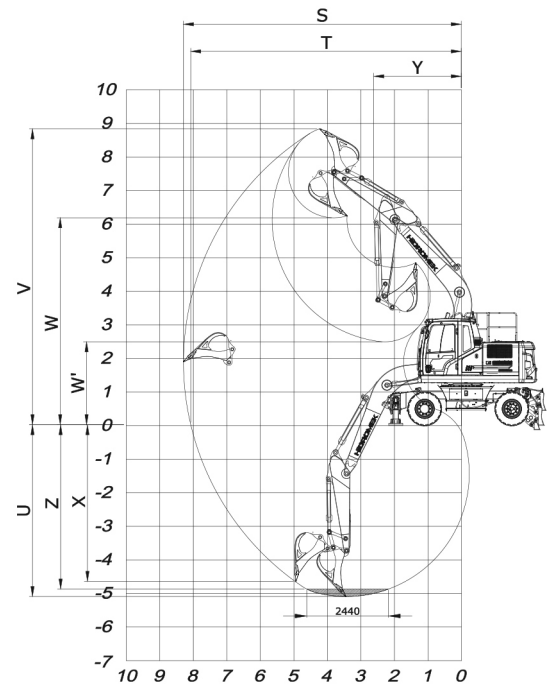
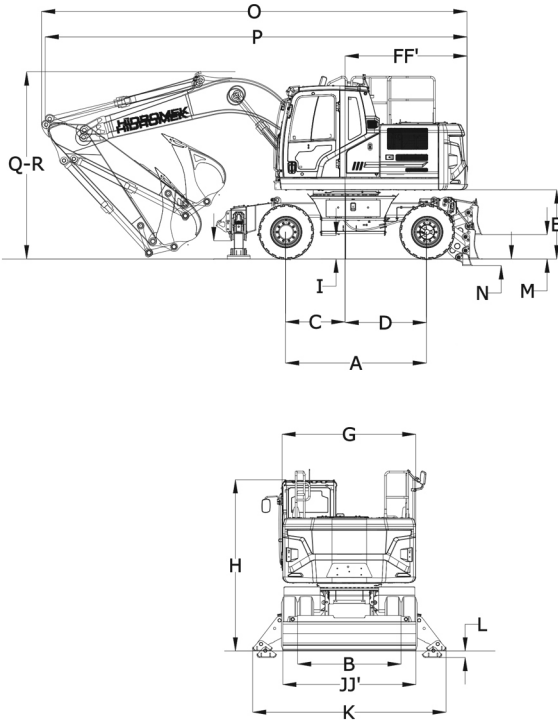
## ELECTRICAL SYSTEM

Voltage	: 24V
Battery	: 2 x 12V x 100 Ah
Alternator	: 24V / 50 A
Starting Motor	: 24V / 4,0 kW

## WEIGHT

Standard machine operating weight	: 16.200 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	4.600 mm		
Arm Dimension	*2.300 mm	2.000 mm	2.600 mm
A Axle Distance	2.600 mm		
B Track Gauge	1.944 mm		
C Swing-centre to Front Axle	1.500 mm		
C' Front overhang	1.055 mm		
D Swing-centre to Rear Axle	1.100 mm		
D' Rear overhang	1.073 mm		
E Counterweight clearance	1.280 mm		
F Distance from center of swing to rear end	2.250 mm		
F' Tail Swing Radius	2.310 mm		
G Overall Width of upperstructure	2.500 mm		
H Overall height of cab	3.185 mm		
I Minimum Ground Clearance, Outrigger	355 mm		
I' Minimum Ground Clearance	333 mm		
J Overall Width tires	2.500 mm		
J' Overall width of Outrigger retract	2.500 mm		
K Overall Width Outrigger extend	3.650 mm		
L Max. Outrigger lower	116 mm		
M Dozer Blade Ground Clearance	447 mm		
N Max. Dozer Blade Lower	119 mm		
O Overall Length / Travel	7.850 mm	7.850 mm	7.770 mm
P Overall Length/ Transport	7.780 mm	7.890 mm	7.660 mm
Q Boom Height / Travel	3.445 mm	3.200 mm	3.955 mm
R Boom Height / Transport	3.400 mm	3.130 mm	3.750 mm

\* Standard

## WORKING DIMENSIONS

Boom Dimension	4.600 mm		
Arm Dimension	*2.300 mm	2.000 mm	2.600 mm
S Maximum Digging Reach	8.220 mm	7.940 mm	8.520 mm
T Maximum Digging Reach at Ground Level	7.990 mm	7.700 mm	8.310 mm
U Maximum Digging Depth	5.020 mm	4.720 mm	5.320 mm
V Maximum Digging Height	8.780 mm	8.600 mm	9.020 mm
W Maximum Dumping Height	6.260 mm	6.080 mm	6.490 mm
W' Minimum Dumping Height	2.600 mm	2.860 mm	2.270 mm
X Maximum Vertical Digging Depth	4.540 mm	4.250 mm	4.840 mm
Y Minimum Swing Radius	2.620 mm	2.580 mm	2.670 mm
Z Maximum Digging Depth (2440 mm level)	4.800 mm	4.470 mm	5.120 mm

\* Standard

## DIGGING PERFORMANCE

Standard Bucket Capacity (SAE)	0,60 m <sup>3</sup>
Bucket Digging Force (Power Boost) ISO	9.900 (10.800) kgf
Arm Crowd Force (Power Boost) ISO	7.100 (7.800) kgf