



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

- Improved operator's all round visibility
- Increased cabin internal space
- Use of six viscomount cabin mountings that dampen the vibrations
- High capacity A/C
- 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

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 "orbitrol" 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 ²
Power Boost	: 360 kqf/cm ²
Travel	: 360 kqf/cm ²
Swing	: 260 kqf/cm ²
Pilot	: 40 kqf/cm ²
Cylinders	
Boom 1	: 2 x ø 110 x ø75 x ø 930 mm
Boom 2	: 1 x ø 150 x ø 90 x ø 680 mm
Stick Cylinder	: 1 x ø 115 x ø 80 x 1225 mm
Bucket Cylinder	: 1 x ø 100 x ø 70 x 910 mm

OPERA CONTROL SYSTEM

- Easy-to-use control panel and menus
- Improved fuel economy and productivity
- Selection of multi-language on control panel
- Maximum efficiency by selection of power and work modes
- Automatic preheating
- Anti-theft system with personal code
- Hidromek Smartlink (Optional)
- Cruise control travel speed
- Auto-Idle and automatic deceleration system
- Overheat prevention and protection system without interrupting the work
- Automatic powerboost switch-on and switch-off
- Maintenance information and warning system
- Rear-view, arm-view camera (Optional)
- Possibility to register 26 different operating hours
- Error mode registry and warning system
- Real time monitoring of operational parameters such as pressure, temperature, engine load

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

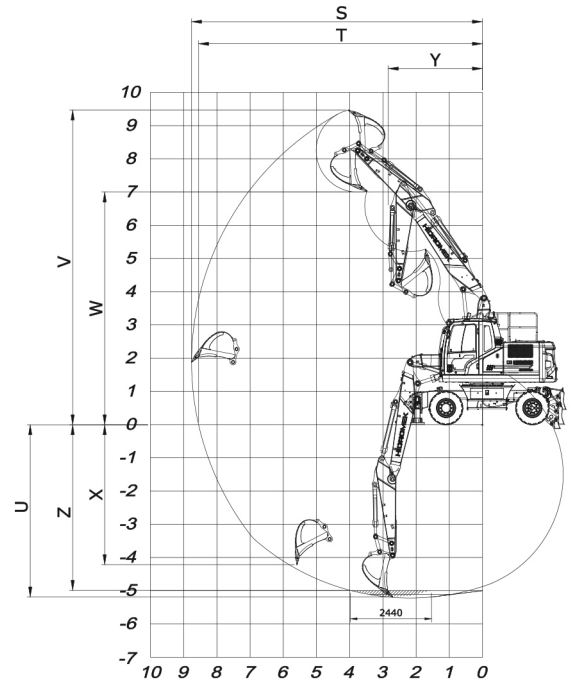
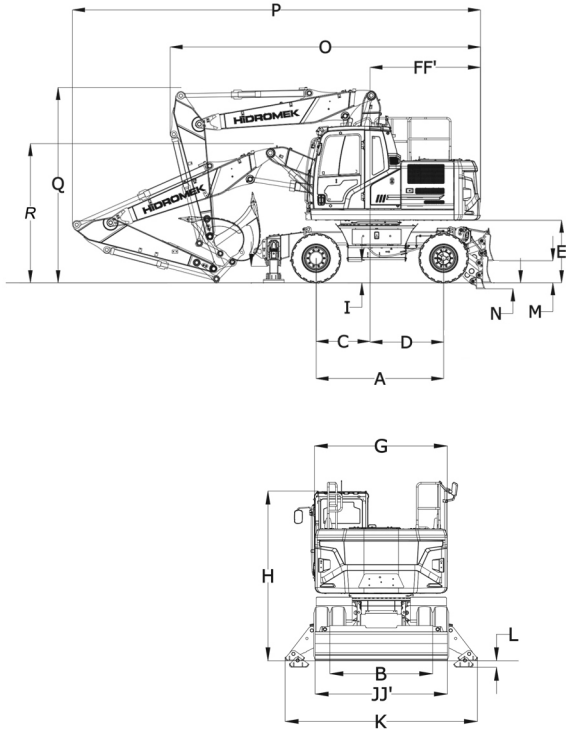
Fuel Tank	: 280 L	Engine Oil	: 16 L
Hydraulic Tank	: 120 L	Radiator	: 20 L
Hydraulic System	: 235 L		

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 : 16.600 kg
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	5.090 mm	
Arm Dimension	*2.300 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	2.550 mm	
K Overall Width Outrigger extend	3.634 mm	
L Max. Outrigger lower	122 mm	
M Dozer Blade Ground Clearance	447 mm	
N Max. Dozer Blade Lower	124 mm	
O Overall Length / Travel	6.325 mm	7.425 mm
P Overall Length/ Transport	8.315 mm	8.265 mm
Q Boom Height / Travel	3.975 mm	3.835 mm
R Boom Height / Transport	2.835 mm	2.985 mm

* Standard

WORKING DIMENSIONS

Boom Dimension	5.090 mm	
Arm Dimension	*2.300 mm	2.600 mm
S Maximum Digging Reach	8.790 mm	9.100 mm
T Maximum Digging Reach at Ground Level	8.580 mm	8.900 mm
U Maximum Digging Depth	5.260 mm	5.560 mm
V Maximum Digging Height	9.500 mm	9.770 mm
W Maximum Dumping Height	6.940 mm	7.200 mm
W' Minimum Dumping Height	3.080 mm	2.790 mm
X Maximum Vertical Digging Depth	4.560 mm	4.900 mm
Y Minimum Swing Radius	3.030 mm	3.120 mm
Z Maximum Digging Depth (2440 mm level)	5.150 mm	5.460 mm

* Standard

DIGGING PERFORMANCE

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