



## ENGINE

Model	: ISUZU AR-4J1XASW-2
Type	: Water cooled, 4 cycle, 4 cylinders, line type direct injection, turbocharger, electronic diesel engine
Power	: 105 HP (78,5 kW) @2000 rpm / SAE J1995 (Gross) : 102 HP (76,4 kW) @2000 rpm / SAE J1349 (Net)
Max. Torque	: 375 Nm @1800 rpm (Gross) : 362 Nm @1800 rpm (Net)
Displacement	: 2999 cc
Bore and Stroke	: 95,4 mm x 104,9 mm
This engine complies with the Emission Regulations U.S. EPA Tier 4 Final, and EU Stage 4	

## UNDERCARRIAGE

Shoe	: Triple grouser 500 mm
No. Of Shoes	: 2 x 46
No. Of Lower Rollers	: 2 x 7
No. Of Upper Rollers	: 2 x 2
Track Tensioning	: Hydraulic Spring Tensioning

## CAB

• Wide cab and easy entrance
• Use of six viscomount cabin mountings that dampen the vibrations
• Cooled storage room
• Colourful, Easy to read TFT indicant monitor
• Glass holder, book and object storage pockets
• Full automatic digitally air-conditioner
• Overclass standards on the visibility
• 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
• USB connected MP3 player
• Easy to open the front sliding glass
• Front and rear sun visor
• Large storage areas
• Height adjustable joystick
• Improved seat to back angle
• The height adjustable seat armrests
• Opera Control System

## TRAVEL AND BRAKERS

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 2 stage planetary gear
Travel Speed	
High Speed	: 5,7 km/h
Low Speed	: 3,4 km/h
Max. Drawbar Pull	: 11.230 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type
Ground Pressure (500mm Shoe)	: 0,51 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

<b>Main Pump</b>	
Type	: Double variable displacement axial piston pumps
Max. Flow	: 2 x 124 L/min (62 cc/rev)
Pilot Pump	: Gear, 20 L/min (10 cc/rev)
<b>Relief Valves</b>	
Attachment	: 320 kgf/cm <sup>2</sup>
Power Boost	: 350 kgf/cm <sup>2</sup>
Travel	: 350 kgf/cm <sup>2</sup>
Swing	: 260 kgf/cm <sup>2</sup>
Pilot	: 40 kgf/cm <sup>2</sup>
<b>Cylinders</b>	
Boom 1	: 2 x ø110 x ø 75 x 1030 mm
Boom 2	: 1 x ø150 x ø 90 x 750 mm
Arm	: 1 x ø115 x ø 80 x 1225 mm
Bucket	: 1 x ø100 x ø 70 x 910 mm
Dozer	: 2 x ø100 x ø 70 x 240 mm

## OPERA CONTROL SYSTEM

• Easy-to-use control panel and menus	• Improved fuel economy and productivity
• Overheat prevention and protection system without interrupting the work	• Automatic idling Selection of multi-language on control panel
• Automatical electric power-off	• Rear-view, arm-view camera (Optional)
• Maximum efficiency by selection of power and work modes	• Possibility to register 26 different operating hours
• Error mode registry and warning system	• Anti-theft system with personal code
• Hidromek Smartlink	• Real time monitoring of operational parameters such as pressure, temperature, engine load
• Automatic preheating	
• Automatical powerboost (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	: 11,4 rpm

## CAPACITY

Fuel Tank	: 240 L	Engine Oil	: 8 L
Hydraulic Tank	: 165 L	Swing Reduction	: 3 L
Radiator	: 25 L	Travel Reduction	: 2,1 x 2 L
Hydraulic System	: 210 L	Urea tank	: 35 L

## ELECTRICAL SYSTEM

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

## OPERATING WEIGHT

Standard machine operating weight	: 16.800 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.

\* Standard 251401m

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**Notice:**

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