



**NEW!**

## ENGINE

|                 |  |
|-----------------|--|
| Model           | : ISUZU 4HK1X  |
| Type            | : Water cooled diesel engine, 4 cycles, 4 cylinders, line-type, direct injection, turbocharger and intercooler |
| Power           | : 172 HP (128 kW) @2000 rpm / SAE J1995 (Brut)   |
| Max. Torque     | : 670 Nm @1600 rpm (Brut)  |
| Displacement    | : 5193 cc  |
| Bore and Stroke | : 115 mm x 125 mm  |
| Emission Class  | : EU: Stage V  |

## 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   | : 11,00 - 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
- 8" touch TFT screen
- 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

## STEERING SYSTEM

The "orbital" type steering system controls a steering cylinder located on the front axle. Minimum turning radius is 7.485 mm.

## TRAVEL AND BRAKES

|                     |  |
|---------------------|--|
| Travel              | : Fully hydrostatic  |
| Travel Motors       | : Axial piston type  |
| Reduction           | : 2 stage planetary gear   |
| <b>Travel Speed</b> |  |
| High Speed          | : 20,4 km/h  |
| Low Speed           | : 5,4 km/h   |
| Max. Drawbar Pull   | : 13.335 kqf   |
| Gradeability        | : 27° (%50)  |
| 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

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                     | : 2 axial piston type pumps with double variable displacement and inclined plate |
| Max. Flow Rate           | : 2 x 233 L/min  |
| Pilot Pump               | : Gear type, 20 L/min  |
| <b>Working Pressures</b> |  |
| Cylinders                | : 350 kgf/cm <sup>2</sup>  |
| Power Boost              | : 370 kgf/cm <sup>2</sup>  |
| Travel                   | : 370 kgf/cm <sup>2</sup>  |
| Swing                    | : 306 kgf/cm <sup>2</sup>  |
| Pilot                    | : 40 kgf/cm <sup>2</sup>   |
| <b>Cylinders</b>         |  |
| Boom                     | : 2 x ø 120 x ø 85 x 1.300 mm  |
| Arm                      | : 2 x ø 125 x ø 85 x 1.170 mm  |

## OPERA CONTROL SYSTEM

- 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
- Ability to adjust hydraulic flow from Opera screen
- 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)
- Hidromek Smartlink (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.                              |
| Swing Speed  | : 11,90 rpm   |

## FILLING CAPACITIES

|                  |         |                     |          |
|------------------|---------|---------------------|----------|
| Fuel Tank        | : 345 L | Engine Oil          | : 19,3 L |
| Hydraulic Tank   | : 160 L | Engine Cooling Sys. | : 33 L   |
| Hydraulic System | : 318 L | Urea tank           | : 16 L   |

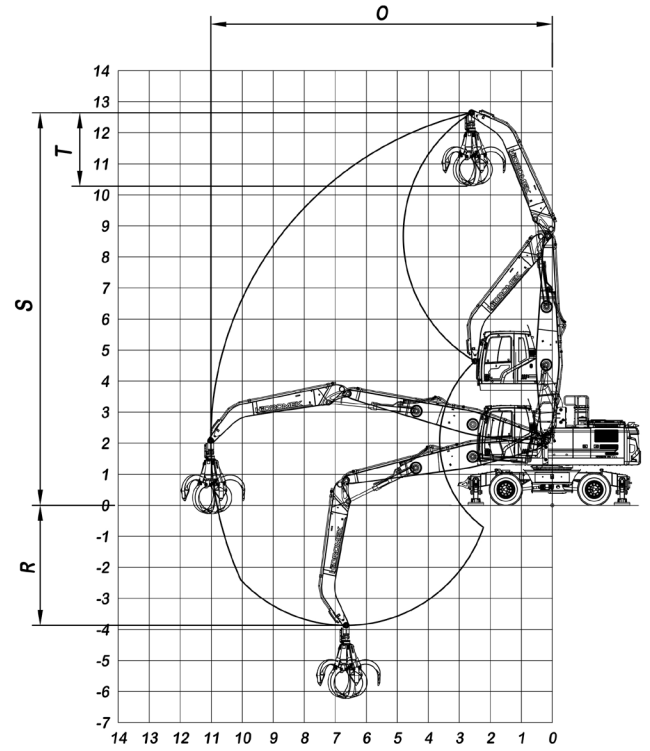
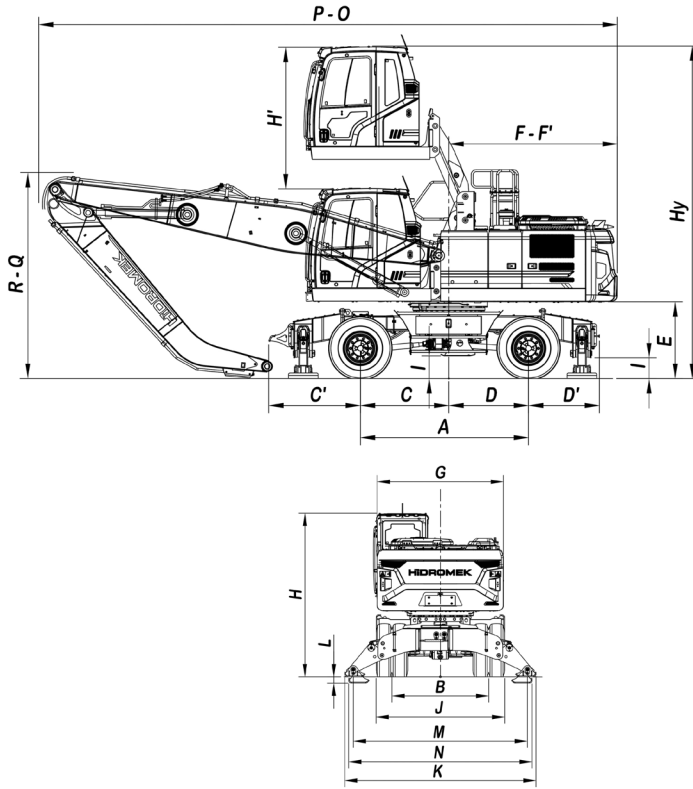
## ELECTRICAL SYSTEM

|                |                     |
|----------------|---------------------|
| 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 : 24.750 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 (MH Boom)                  | 6.600 mm |
| Arm Dimension (Dropnose/MH Arm)           | 4.600 mm |
| A Axle Distance                           | 2.850 mm |
| B Thread width                            | 2.114 mm |
| C Rotation Axis – Front Axle Distance     | 1.500 mm |
| C' Front Axle–Outrigger Max. Distance     | 1.550 mm |
| D Rotation Axis – Rear Axle Distance      | 1.350 mm |
| D' Rear Axle - Outrigger Distance         | 1.200 mm |
| E Upper Chassis to Ground Clearance       | 1.280 mm |
| F Counterweight Distance                  | 2.840 mm |
| F' Countweight Turning Radius             | 2.855 mm |
| G Upper Frame Width                       | 2.500 mm |
| H Cab Height                              | 3.220 mm |
| H' Cab Rising Distance                    | 2.395 mm |
| Hy Total Cab Height                       | 5.610 mm |
| I Outrigger Ground Clearance              | 335 mm   |
| I' Ground Clearance                       | 371 mm   |
| J Tyre Width                              | 2.780 mm |
| K Over width of O/R Extend                | 4.036 mm |
| L Outrigger Digging Depth                 | 134 mm   |
| M Outrigger Pin Distance (on ground)      | 3.696 mm |
| N Over Width OF O/R Extend (Below Ground) | 3.866 mm |
| O Overall Length (Travel)                 | 9.635 mm |
| P Overall Length / Transport              | 9.735 mm |
| Q Boom Height /Travel                     | 3.975 mm |
| R Boom Height / Transport                 | 3.415 mm |

## WORKING DIMENSIONS

|                                 |           |
|---------------------------------|-----------|
| Boom Dimension (MH Boom)        | 6.600 mm  |
| Arm Dimension (Dropnose/MH Arm) | 4.600 mm  |
| O Maximum Digging Reach         | 11.015 mm |
| R Maximum Depth                 | 4.395 mm  |
| S Maximum Digging Height        | 12.320 mm |
| T Grapple                       | 2.455 mm  |

## HİDROMEK®

### FACTORY - HEAD OFFICE

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Notice:  
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