


NEW!

ENGINE

Model	: ISUZU AH-6UZ1X
Type	: Water-cooled, 4 cycle, 6 cylinders, line type, direct injection, turbocharger, intercooler, diesel engine
Power	: 362 HP (270 kW) @1950 rpm / SAE J1995 (Gross) : 348 HP (260 kW) @1950 rpm / SAE J1349 (Net)
Max. Torque	: 1435 Nm @1500 rpm (Gross) : 1400 Nm @1500 rpm (Net)
Displacement	: 9839 cc
Bore and Stroke	: 120 mm x 145 mm
Emission Class	: FAZ III-A (UNECE R96)*

*This new engine complies with the Emission regulations U.S. EPA Tier III and EU Stage III-A

UNDERCARRIAGE

X Type Lower Frame Construction Pentagon Box Type Chassis	
Shoe	: 3 grouser
No. Of Shoes	: 2 x 53
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Full Trackguard	: Complete
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 standarts on the visibility
- Pool type flor 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	: 3 stage planetary gear
Travel Speed	
High Speed	: 4,4 km/h
Low Speed	: 2,7 km/h
Max. Drawbar Pull	: 37.930 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type, integrated transmission

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 376 L/min
Pilot Pump	: Gear Type, 29 L/min
Relief Valves	
Attachment	: 325 kgf/cm ²
Power Boost	: 355 kgf/cm ²
Travel	: 325 kgf/cm ²
Swing	: 300 kgf/cm ²
Pilot	: 40 kgf/cm ²
Cylinders	
Main Boom	: 2 x ø 170 x ø 115 x 1.650 mm
Stick Cylinder	: 1 x ø 190 x ø 130 x 1.870 mm
Bucket Cylinder	: 1 x ø 170 x ø 120 x 1.335 mm

OPERA CONTROL SYSTEM

• Automatic idling Selection of multi-language on control panel	• Overheat prevention and protection system without interrupting the work
• Improved fuel economy and productivity	• Easy-to-use control panel and menus
• Automatical electric power-off	• Rear-view, arm-view camera (Optional)
• Maximum efficiency by selection of power and work modes	• Possibility to register 27 different operating hours
• Error mode registry and warning system	• Anti-theft system with personal code
• Hidromek Smartlink (Optional)	Real time monitoring of operational parameters such as pressure, temperature, engine load
• Automatic preheating	
• Automatical powerboost	

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	: 8,4 rpm

CAPACITY

Fuel Tank	: 655 L	Engine Oil	: 42 L
Hydraulic Tank	: 370 L	Radiator	: 60 L
Hydraulic System	: 615 L		

ELECTRICAL SYSTEM

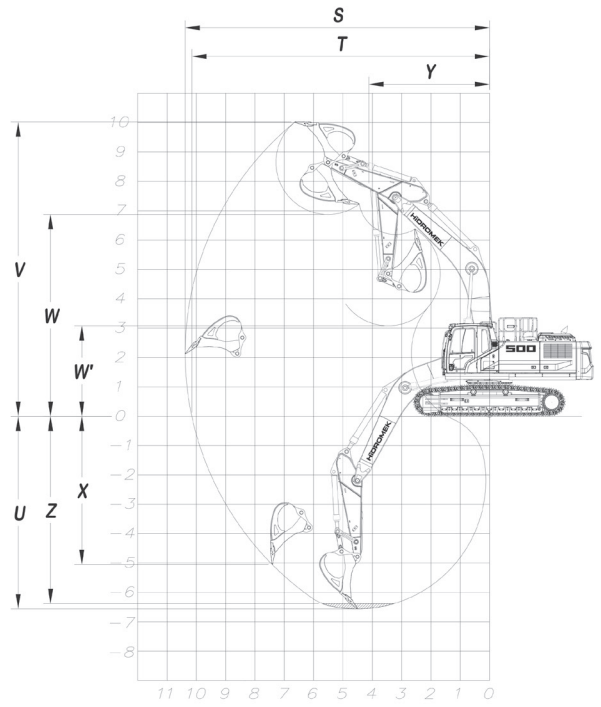
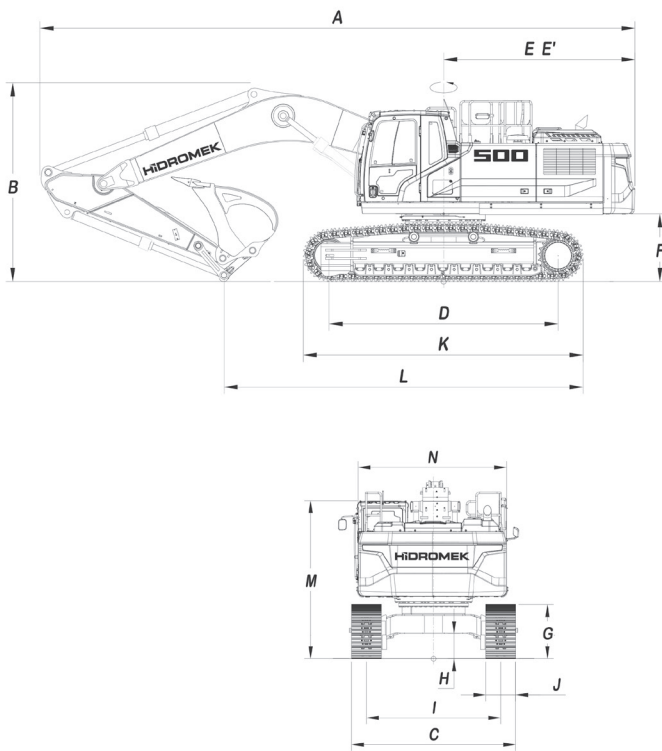
Voltage	: 24V
Battery	: 2 x 12V x 165 Ah
Alternator	: 24V / 50 A
Starting Motor	: 24V / 5,5 kw

OPERATING WEIGHT

Standard machine operating weight (600mm shoe with 3 teeth)	: 51.700 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.

HMK500LC HD H4



GENERAL DIMENSIONS

Boom Dimension	*6.300 mm	
Arm Dimension	*2.600 mm	2.900 mm
A - Overall Length	11.650 mm	11.570 mm
B - Overall Height (to top of boom)	3.860 mm	3.720 mm
C - Overall Width	3.500 mm	
D - Idler Distance	4.470 mm	
E - Counterweight Distance	3.800 mm	
E' - Turning Radius	3.820 mm	
F - Upper Structure Ground Clearance	1.380 mm	
G - Crawler Height	1.230 mm	
H - Minimum Ground Clearance	590 mm	
I - Track Gauge	2.900 mm	
J - Shoe Width	600 mm	
K - Overall Length of Crawler	5.500 mm	
L - Length Over Ground	6.930 mm	6.410 mm
M - Overall Height (to Top of Cab)	3.350 mm	
N - Upper Structure Width	2.990 mm	

* Standard

WORKING DIMENSIONS

S - Maximum Digging Reach	10.770 mm	11.040 mm
T - Maximum Digging Reach at Ground Level	10.490 mm	10.770 mm
U - Maximum Digging Depth	6.490 mm	6.790 mm
V - Maximum Digging Height	10.510 mm	10.630 mm
W - Maximum Dumping Clearance	6.940 mm	7.060 mm
W' - Minimum Dumping Clearance	3.330 mm	3.010 mm
X - Maximum Vertical Digging Depth	4.480 mm	4.760 mm
Y - Minimum Swing Radius	4.300 mm	4.360 mm
Z - Maximum Digging Depth (2440 mm level)	6.310 mm	6.620 mm

* Standard

DIGGING PERFORMANCE

Standard Bucket Capacity	3,2 m ³ (SAE)
Bucket Digging Force (Power Boost) ISO	26.100 (28.500) kgf
Arm Crowd Force (Power Boost) ISO	25.200 (27.600) kgf



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Notice:
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