


**NEW!**

## ENGINE

Model	: DEUTZ TCD 4.1
Type	: Water cooled, 4 cycle, 4 cylinders, line type direct injection, turbocharger, intercooler, electronic diesel engine
Power	: 141 HP (105 kW) @2000 rpm / SAE J1995 (Gross) : 132 HP (98 kW) @2000 rpm / SAE J1349 (Net)
Max. Torque	: 550 Nm @1600 rpm (Gross) : 519 Nm @1600 rpm (Net)
Displacement	: 4100 cc
Bore and Stroke	: 101 mm x 126 mm
This engine complies with the Emission Regulations U.S. EPA Tier 4 Final, and EU Stage IV	

## 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	: 19,5 - R18 (Single tire) : 10.00 - R20 (Double 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 BRAKERS

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 2 stage planetary gear
Travel Speed	
High Speed	: 36 km/h
Low Speed	: 10 km/h
Max. Drawbar Pull	: 7.000 kgf
Gradeability	: 24° (%43)
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.

## 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	: 13,9 rpm

## 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	: 159 L/min
Pilot Pump	: 20 L/min
<b>Relief Valves</b>	
Cylinders	: 330 kgf/cm <sup>2</sup>
Power Boost	: 360 kgf/cm <sup>2</sup>
Travel	: 360 kgf/cm <sup>2</sup>
Swing	: 260 kgf/cm <sup>2</sup>
Pilot	: 40 kgf/cm <sup>2</sup>
<b>Cylinders</b>	
Main Boom	: 2 x ø 110 x ø 75 x 1.080 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
Additional boom cylinder 1	: 2 x ø 110 x ø 75 x 930 mm
Additional boom cylinder 2	: 1 x ø 150 x ø 90 x 680 mm

## OPERA CONTROL SYSTEM

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

## STEERING SYSTEM

The "orbitrol" type steering system controls a steering cylinder located on the front axle.

## CAPACITY

Fuel Tank	: 245 L	Transmission	: 2,5 L
Hydraulic Tank	: 215 L	Engine Oil	: 16 L
Hydraulic System	: 210 L	Radiator	: 32 L
Swing Reduction	: 3 L	Front / Rear axles	: 14,5/17,4 L

## ELECTRICAL SYSTEM

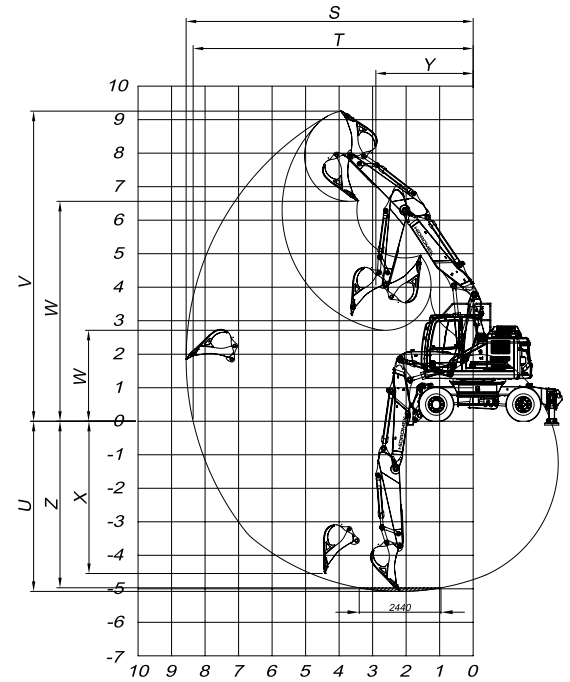
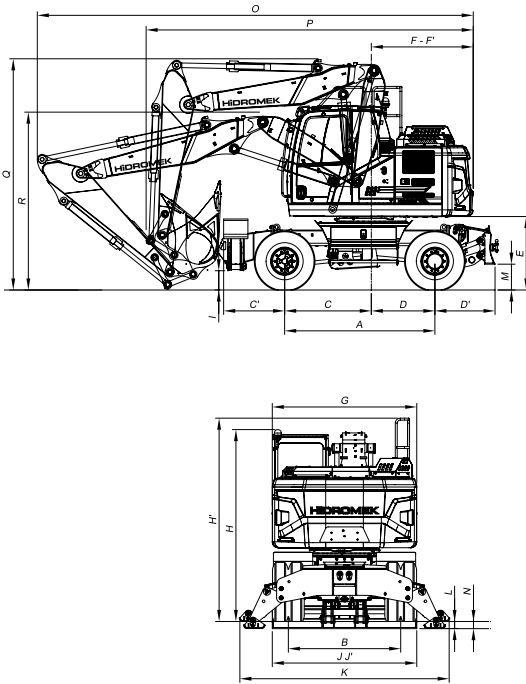
Voltage	: 24V
Battery	: 2 x 12V / 100 Ah
Alternator	: 28V / 100 A
Starting Motor	: 24V / 4,0 kW

## WEIGHT

Standard machine operating weight : 17.550 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.

# HMK 150W H4



## GENERALE DIMENSIONS

Boom Dimension	4.800 mm
Arm Dimension	2.300 mm
A - Axle Distance	2.600 mm
B - Thread	1.945 mm
C - Rotation Axis – Front Axle Distance	1.500 mm
C' - Front Axle to Front Outrigger maximum distance	1.055mm
D - Rotation Axis – Rear Axle Distance	1.100 mm
D' - Rear Axle Rear to Dozer Blade distance	1.040 mm
E - Upper Chassis to Ground Clearance	1.285 mm
F - Counterweight Distance	1.765 mm
F' - Countweight Turning Radius	1.765 mm
G - Upper Frame Width	2.500 mm
H - Cab Height	3.250 mm
I - Outrigger Ground Clearance	340 mm
J - Width at Tires	2.500 mm
J' - Overall tire width (Loaded)	2.500 mm
K - Outrigger Width (Overall)	3.620 mm
L - Outrigger Digging Depth	104 mm
M - Dozer Blade Ground Clearance	458 mm
N - Dozer Blade Digging Depth	107 mm
O - Overall Length / Travel	7.550 mm
P - Overall Length/ Transport	5.660 mm
Q - Boom Height / Travel	4.000 mm
R - Boom Height / Transport	3.080 mm

## WORKING DIMENSIONS

S - Maximum Digging Reach	8.570 mm
T - Maximum Digging Reach at Ground Level	8.350 mm
U - Maximum Digging Depth	5.060 mm
V - Maximum Digging Height	9.270 mm
W - Maximum Dumping Clearance	6.580 mm
W' - Minimum Dumping Clearance	2.720 mm
X - Maximum Vertical Didding Depth	4.530 mm
Y - Minimum Swing Radius	2.910 mm
Z - Maximum Digging Depth (2440 mm level)	4.960 mm

## DIGGING PERFORMANCE

Standard Bucket Capacity (SAE)	0,6 m <sup>3</sup>
Bucket Digging Force (Power Boost) ISO	9.400 (10.300) kgf
Arm Crowd Force (Power Boost) ISO	7.000 (7.700) kgf

\*Standard

## HIDROMEK®

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Notice:  
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