


**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)
Max. Torque	: 550 Nm @1600 rpm (Gross)
Displacement	: 4038 cc
Bore and Stroke	: 101 mm x 126 mm
Emission Class	: Stage V / Tier 4 Final (EU/EPA)

## 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

<ul style="list-style-type: none"> <li>• Improved operator's all round visibility</li> <li>• Increased cabin internal space</li> <li>• Use of six silicone dampers to absorb the shocks and vibrations</li> <li>• High capacity A/C</li> <li>• Opera Control System</li> <li>• Cooled storage room</li> <li>• Glass holder, book and object storage pockets</li> <li>• Pool type floor mat</li> <li>• Improved operator's comfort through versatile adjustable seat</li> </ul>
--

## TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motors	: Axial piston type
Reduction	: 2 stage planetary gear
Travel Speed	
High Speed	: 33 km/h
Low Speed	: 8,5 km/h
Max. Drawbar Pull	: 8.123 kgf
Gradeability	: 28° (%53)
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 rpm

## 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	: 20 L/min
Relief Valves	
Cylinders	: 330 kgf/cm <sup>2</sup>
Power Boost	: 360 kgf/cm <sup>2</sup>
Travel	: 370 kgf/cm <sup>2</sup>
Swing	: 260 kgf/cm <sup>2</sup>
Pilot	: 40 kgf/cm <sup>2</sup>
Cylinders	
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

## OPERA CONTROL SYSTEM

<ul style="list-style-type: none"> <li>• Easy-to-use control panel and menus</li> <li>• Improved fuel economy and productivity</li> <li>• Automatic electric power-off</li> <li>• Selection of multi-language on control panel</li> <li>• Maximum efficiency by selection of power and work modes</li> <li>• Automatic preheating</li> <li>• Anti-theft system with personal code</li> <li>• Hidromek Smartlink (Optional)</li> <li>• Cruise control travel speed</li> <li>• Auto-Idle and automatic deceleration system</li> </ul>	<ul style="list-style-type: none"> <li>• Overheat prevention and protection system without interrupting the work</li> <li>• Automatic powerboost switch-on and switch-off</li> <li>• Maintenance information and warning system</li> <li>• Rear-view, arm-view camera (Optional)</li> <li>• Possibility to register 27 different operating hours</li> <li>• Error mode registry and warning system</li> <li>• Real time monitoring of operational parameters such as pressure, temperature, engine load</li> </ul>
---	--

## STEERING SYSTEM

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

## CAPACITY

Fuel Tank	: 245 L	Engine Cooling System	: 29,8 L
Hydraulic Tank	: 120 L	Engine Oil	: 16,2 L
Hydraulic System	: 210 L	Urea tank	: 20 L

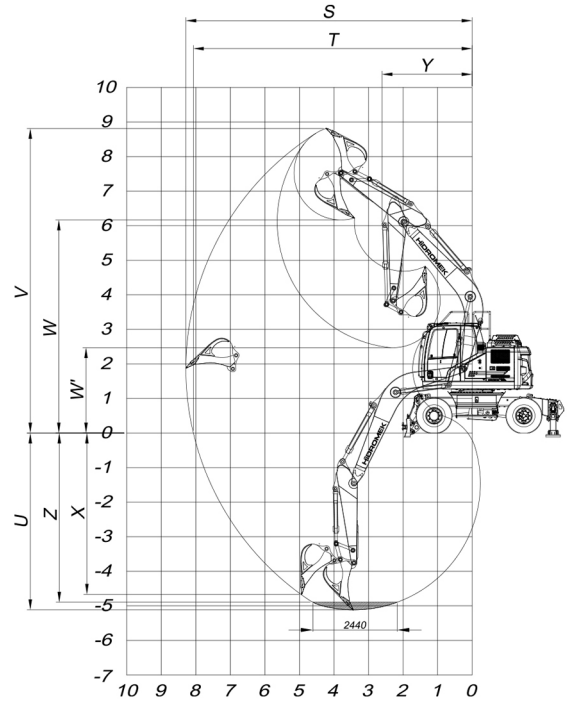
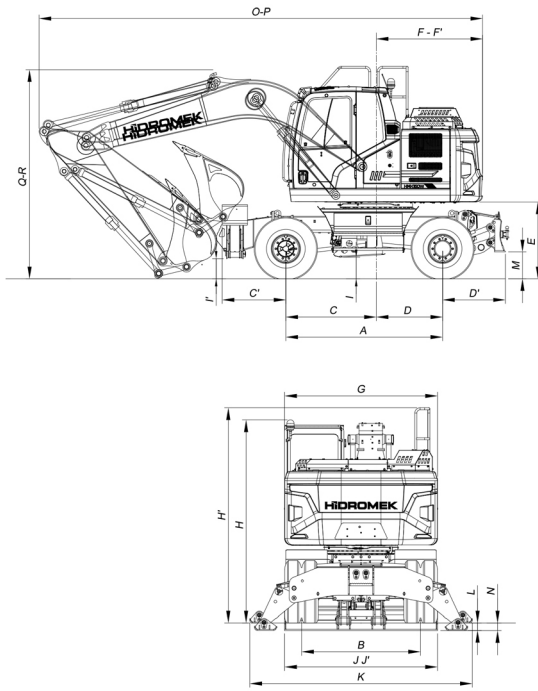
## ELECTRICAL SYSTEM

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

## WEIGHT

Standard machine operating weight	: 16.300 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.



## GENERALE DIMENSIONS

Boom Dimension		4.600 mm		
Arm Dimension		2.000 mm	*2.300 mm	2.600 mm
A - Axle Distance		2.600 mm		
B - Thread		1.944 mm		
C - Rotation Axis – Front Axle Distance		1.500 mm		
C' - Front Axle to Front Outrigger maximum distance		1.055 mm		
D - Rotation Axis – Rear Axle Distance		1.100 mm		
D' - Rear Axle Rear to Dozer Blade distance		1.073 mm		
E - Upper Chassis to Ground Clearance		1.270 mm		
F - Counterweight Distance		1.765 mm		
F' - Counterweight Turning Radius		1.850 mm		
G - Upper Frame Width		2.500 mm		
H - Cab Height		3.340 mm		
I - Outrigger Ground Clearance		355 mm		
J - Width at Tires		2.500 mm		
J' - Overall tire width (Loaded)		2.550 mm		
K - Outrigger Width (Overall)		3.634 mm		
L - Outrigger Digging Depth		122 mm		
M - Dozer Blade Ground Clearance		447 mm		
N - Dozer Blade Digging Depth		124 mm		
O - Overall Length / Travel	7.360 mm	7.360 mm	7.280 mm	
P - Overall Length / Transport	7.400 mm	7.290 mm	7.280 mm	
Q - Boom Height / Travel	3.220 mm	3.470 mm	3.730 mm	
R - Boom Height / Transport	3.220 mm	3.400 mm	3.570 mm	

## WORKING DIMENSIONS

S - Maximum Digging Reach	7.940 mm	8.220 mm	8.520 mm	
T - Maximum Digging Reach at Ground Level	7.710 mm	8.000 mm	8.310 mm	
U - Maximum Digging Depth	4.740 mm	5.040 mm	5.340 mm	
V - Maximum Digging Height	8.580 mm	8.760 mm	9.000 mm	
W - Maximum Dumping Clearance	6.060 mm	6.240 mm	6.470 mm	
W' - Minimum Dumping Clearance	2.840 mm	2.540 mm	2.250 mm	
X - Maximum Vertical Digging Depth	4.270 mm	4.560 mm	4.860 mm	
Y - Minimum Swing Radius	2.580 mm	2.620 mm	2.670 mm	
Z - Maximum Digging Depth (2440 mm level)	4.490 mm	4.820 mm	5.140 mm	

## DIGGING PERFORMANCE

Standard Bucket Capacity (SAE)	0,6 m <sup>3</sup>	0,6 m <sup>3</sup>	0,6 m <sup>3</sup>	
Bucket Digging Force (Power Boost) ISO	9.900 (10.800) kgf	9.900 (10.800) kgf	9.900 (10.800) kgf	
Arm Crowd Force (Power Boost) ISO	7.800 (8.600) kgf	7.100 (7.800) kgf	6.500 (7.100) kgf	

\* Standard

## HİDROMEK®

### FACTORY - HEAD OFFICE

Ahi Evran OSB Mahallesi Osmanlı Caddesi No:1 06935 Sincan / ANKARA / TÜRKİYE  
Tel: (+90) 312 267 12 60 Fax: (+90) 312 267 12 39  
www.hidromek.com

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