

Engineering built smarter. Solutions built to last.

Tuboshu delivers innovative, sustainable engineering built for Africa. Backed by decades of expertise, we design adaptive, high-performance solutions that solve real operational challenges. Our commitment to quality drives every project, supported by a trusted network for maintenance, technical assistance, and ongoing after-sales service.

Elevate Your Power



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Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Tuboshu equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Develon units may show other than standard equipment.



WHEEL LOADER⁷ TW640-S

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer	TUBOSHU
Model	TW640-S
Configuration Number	TUHSHL68B5UK

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	WEICHAH
Model	WD10G240E201
Rated Power	178kW @ 2200 rpm
Max Torque	1000 N.m
Displacement	9.726 L
Cylinders	6
Aspiration	Turbocharged

LOADER ARM FORCE

Tipping Load – Full Turn	137 kN
Bucket Breakout Force	205 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	3480 mm
Dump Reach at Full Height Discharge	1300 mm
Maximum Hinge Pin Height	4718 mm
Maximum Dipping Depth, Bucket Level	80 mm
Bucket Capacity	3.5 m ³
Operating Weight	22,500 kg

TRANSMISSION

Transmission Type	Planetary, power Shift
Torque Converter	Single Stage, Four Elements
Maximum Travel Speeds FWD	37 km/h
Maximum Travel Speeds REV	16 km/h
Number of Speeds FWD	2
Number of Speeds REV	1

AXLE

Differential Front Type	-
Differential Rear Type	-
Axle Oscillation	±12°

STEERING

Steering Configuration	Articulated
Steering System Pressure	18 MPa

BRAKES

Service Brake Type	Caliper Disk Brake
Service Brake Actuation	Air Over Hydraulic
Parking Brake Type	Air Brake
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Pressure Relief	21 MPa
Raise Time	5.3 s
Total Cycle Time	9.97 s

SERVICE CAPACITY

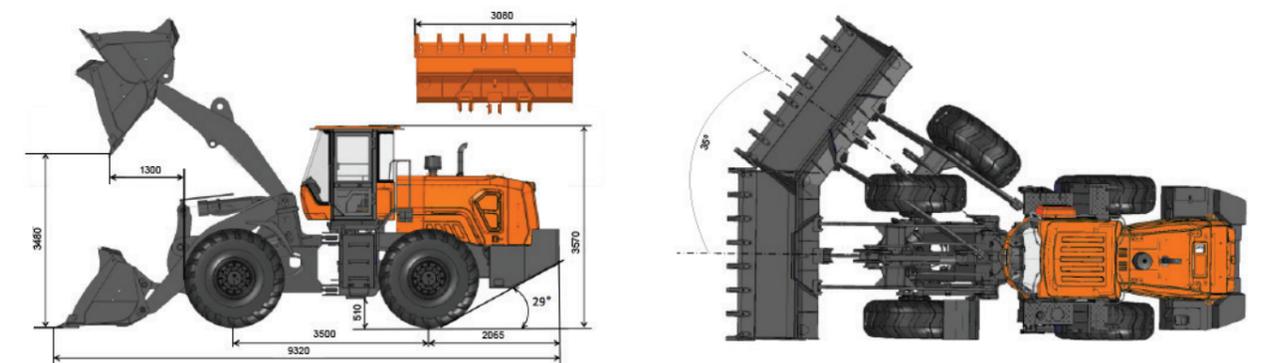
Fuel Tank	330 L
Hydraulic Oil Tank	255 L
Engine Oil	21 L
Axles, Each	41x2 L
Transmission	45 L
Antifreeze	80 L

DIMENSIONS

Length	9320 mm
Width	3080 mm
Height	3570 mm
Wheelbase	3500 mm
Wheel Tread	2250 mm
Ground Clearance	510 mm
Turn Angle, Either Side	35°
Turning Radius, Outside of Tire	6955 mm
Turning Radius, Center of Tire	6675 mm
Turning Radius, Bucket Carry	7686 mm
Maximum Raise Height	4718 mm

TIRES

Tire Size	26.5-25
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Configuration Selling Point

The machine is equipped with a WD10 engine customized by Weichai, an affiliated enterprise within the group, which is optimally matched with a reinforced planetary transmission self-developed by Shantui. This combination forms an energy-saving and efficient golden core powertrain that features robust reliability and enhanced operational efficiency.

Ease of Maintenance & Operation Comfort

The integrated cab provides 15% more interior space, ensuring better sealing and noise reduction. The placement of air filters and diesel filters on the same side as the engine, along with externally located brake calipers on the drive axle, and an integrated relay box, all contribute to easier maintenance.

Adaptability to Diverse Working Conditions

The machine is equipped with a reinforced drive axle and a torque converter featuring a reinforced overrun clutch. It has three brake calipers on the front axle, ensuring more reliable braking performance and adaptability to diverse harsh working conditions. It can be fitted with a range of heavy-duty attachments, such as rock buckets and coal buckets, to meet the demands of diverse heavy-duty operations.