

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 TW530-S

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer	TUBOSHU
Model	TW530-S
Configuration Number	TUHSHL55B5UK

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	WEICHA
Model	WD10G220E23
Rated Power	162kW @ 2200 rpm
Max Torque	900 N.m
Displacement	9.726 L
Cylinders	6
Aspiration	Turbocharged

LOADER ARM FORCE

Tipping Load – Full Turn	11,000 kg
Bucket Breakout Force	170 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	3050 mm
Dump Reach at Full Height Discharge	1100 mm
Maximum Hinge Pin Height	4100 mm
Maximum Dipping Depth, Bucket Level	30 mm
Bucket Capacity	3 m ³
Operating Weight	17,100 kg

TRANSMISSION

Transmission Type	Planetary, power Shift
Torque Converter	Single Stage, Four Elements
Maximum Travel Speeds FWD	38 km/h
Maximum Travel Speeds REV	15 km/h
Number of Speeds FWD	2
Number of Speeds REV	1

AXLE

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

STEERING

Steering Configuration	Articulated
Steering System Pressure	16 MPa

BRAKES

Service Brake Type	Caliper Disk Brake
Service Brake Actuation	Air Over Hydraulic
Parking Brake Type	Flexible Shaft Control
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Pressure Relief	18 MPa
Raise Time	5.5 s
Total Cycle Time	9.8 s

SERVICE CAPACITY

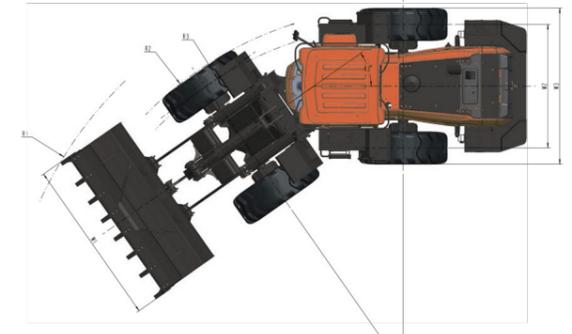
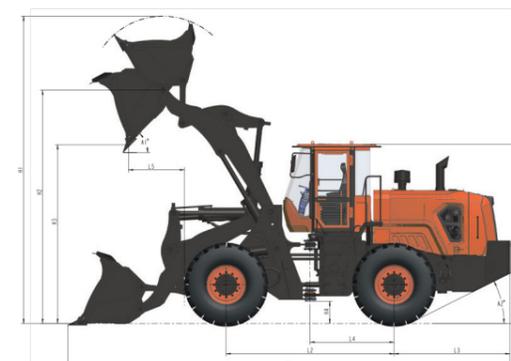
Fuel Tank	300 L
Hydraulic Oil Tank	170 L
Engine Oil	21 L
Axles, Each	29x2 L
Transmission	45 L
Antifreeze	55 L

DIMENSIONS

Length	8220 mm
Width	3066 mm
Height	3450 mm
Wheelbase	3250 mm
Wheel Tread	2238 mm
Ground Clearance	440 mm
Turn Angle, Either Side	35°
Turning Radius, Outside of Tire	6625 mm
Turning Radius, Center of Tire	6325 mm
Turning Radius, Bucket Carry	7200 mm

TIRES

Tire Size	23.5-25-16PR
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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.