

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



TUBOSHU⁷

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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.

TUBOSHU⁷



WHEEL LOADER⁷
TW320-S

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer	TUBOSHU
Model	TW320-S
Configuration Number	TUHSHL36B5UK

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	WEICHAH
Model	WP6G15E22
Rated Power	92kW @ 2200 rpm
Max Torque	500
Displacement	6.754
Cylinders	6
Aspiration	Turbocharged

LOADER ARM FORCE

Tipping Load – Full Turn	60
Bucket Breakout Force	95
Maximum Dump Angle at Full Height	45
Dump Clearance at Full Height Discharge	3250
Dump Reach at Full Height Discharge	1000
Maximum Hinge Pin Height	4060
Maximum Dipping Depth, Bucket Level	15
Bucket Capacity	1.7
Operating Weight	10,300

TRANSMISSION

Transmission Type	Countershaft, Power Shift
Torque Converter	Single Stage 3 Elements
Maximum Travel Speeds FWD	36
Maximum Travel Speeds REV	28
Number of Speeds FWD	4
Number of Speeds REV	2

AXLE

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±10°

STEERING

Steering Configuration	Articulated
Steering System Pressure	14 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	16 MPa
Raise Time	5 s
Total Cycle Time	9 s

SERVICE CAPACITY

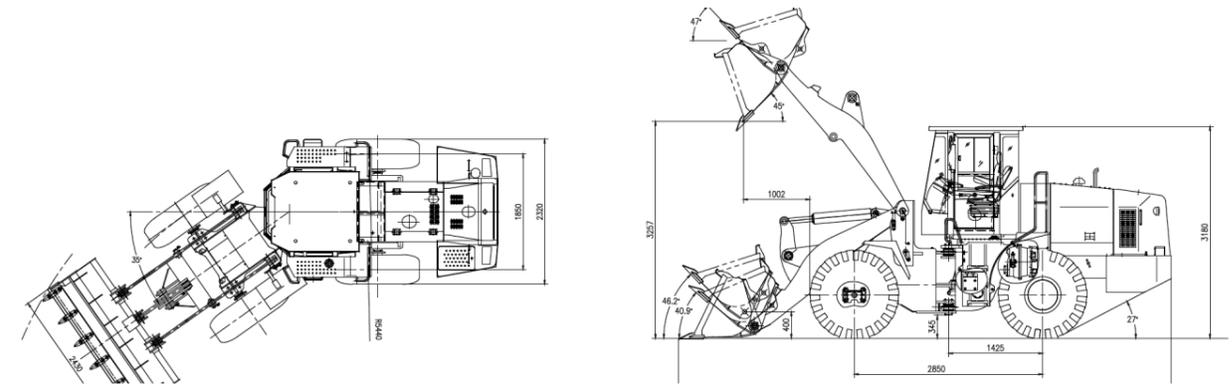
Fuel Tank	200 L
Hydraulic Oil Tank	165 L
Engine Oil	14 L
Axles, Each	36x2 L
Transmission	36 L
Antifreeze	27 L

DIMENSIONS

Length	7450 mm
Width	2430 mm
Height	3180 mm
Wheelbase	2850 mm
Wheel Tread	1850 mm
Ground Clearance	345 mm
Turn Angle, Either Side	35°
Turning Radius, Outside of Tire	5700
Turning Radius, Center of Tire	5450
Turning Radius, Bucket Carry	6250

TIRES

Tire Size	17.5-25
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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.