# Engineering built smarter. Solutions built to last.

**Tuboshu delivers engineering built for Africa's toughest conditions.**

For decades, our team has designed and manufactured heavy equipment engineered to withstand the demands of Africa's most challenging environments — from remote construction sites to high-volume industrial operations. Every machine in our range is built on a foundation of rigorous engineering standards, adaptive design, and field-tested durability.

We don't just supply equipment — we deliver complete operational solutions. Our machines are developed to solve the real-world challenges operators face daily: unpredictable terrain, extreme climates, limited access to spare parts, and the need for equipment that performs consistently under sustained heavy use.

Quality is engineered into every stage of our process, from material selection through to final assembly. This commitment is backed by a growing service network across the region, offering scheduled maintenance, responsive technical assistance, and ongoing after-sales support — ensuring your equipment stays productive for the full life of the project, not just the day it leaves the yard.

TUBOSHU

tuboshu.co.uk

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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 Tuboshu units may show other than standard equipment.

TUBOSHU

ELEVATE YOUR POWER

TECHNICAL SPECS SHEET

# TG220




## UNFORGIVING GROUND. UNSTOPPABLE MACHINES

Tuboshu equipment is engineered for the sites that don't wait - built tough, built to deliver, wherever the work is.

MACHINE TYPE
**MOTOR GRADER**

MACHINE MODEL
**TG220**

VERSION
**2026**

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# TECHNICAL SPECIFICATION

## CHARACTERISTICS

| | |
|---|---|
| **Manufacturer** | TUBOSHU |
| **Model** | TG220-D |
| **Configuration Number** | TUPY220UK |
| **Operating Weight (with ripper)** | 15,760 kg |

## ENGINE

| | |
|---|---|
| **Model** | Dongfeng Cummins 6CTA8.3-C215 |
| **Type** | Direct injection, turbocharged, water-cooled |
| **Rated Power** | 160 kW @ 2200 rpm |
| **Max. Torque** | 908 N·m @ 1300 rpm |

## BLADE RANGE

| | |
|---|---|
| **Side Shift** | Right 815 mm / Left 815 mm |
| **Max Shoulder Reach** | Right 2425 mm / Left 2425 mm |
| **Max Lift Above Ground** | 450 mm |
| **Max Grading Depth** | 535 mm |
| **Max Blade Angle** | 90° |
| **Blade Tip Angle** | 29°-77° |

## TRANSMISSION SYSTEM

| | |
|---|---|
| **Type** | ZF electro-hydraulic power shift |
| **Operation** | Single-handle, neutral lock |
| **Forward Speeds** | 6.86 / 11.78 / 15.51 / 26.17 / 32.59 / 50.86 km/h |
| **Reverse Speeds** | 6.86 / 15.51 / 32.59 km/h |

## AXLES

| | |
|---|---|
| **Front Axle** | 610 mm clearance, ±16° oscillation |
| **Rear Axle** | Full-floating, NO-SPIN differential |

## TANDEM DRIVE

| | |
|---|---|
| **Tandem Oscillation** | 13° forward & reverse |
| **Final Drive** | Spiral bevel gear, single-stage |
| **Tandem Drive** | Double-row roller chain |
| **Min Turning Radius** | 7400 mm |

## BRAKES

| | |
|---|---|
| **Service Brakes** | Hydraulic drum brake |
| **Parking Brakes** | Inner-expanding drum, flexible shaft control |

## CABIN

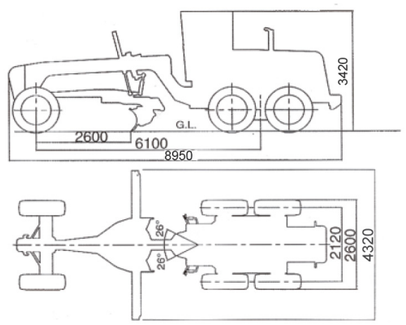
Vibration-absorbed humanistic cabin with adjustable steering wheel and seat and streamline dashboard provide low noise, air conditioning, comfortable operation and wide eyeshot.

## MOLDBOARD

| | |
|---|---|
| **Dimensions** | 4320 × 545 × 16 mm |

## REFILL CAPACITIES

| | |
|---|---|
| **Fuel Tank** | 340 L |
| **Crankcase** | 27 L |
| **Transmission** | 28 L |
| **Rear Axle** | 18 L |
| **Tandem Housings** | 45 L × 2 |
| **Hydraulic System** | 90 L |






# TECHNICAL SPECIFICATION

## OPTIONAL FEATURES

| | |
|---|---|
| Air Conditionner | Tyre Size 14.00-24 |
| ROPS Frame | Front Blade |
| Ripper | Automatic Leveling Device |

## SCARIFIER

| | |
|---|---|
| **No. of Teeth** | 11 |
| **Digging Width** | 1325 mm |
| **Max. Lift Above Ground** | 344 mm |
| **Digging Depth** | 212 mm |

## RIPPER

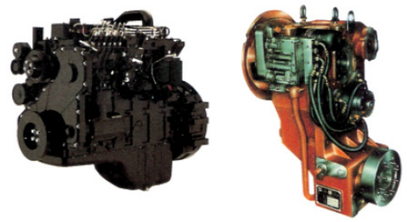
| | |
|---|---|
| **No. of Shanks** | 3 (max. 5) |
| **Max. Digging Depth** | 436 mm |
| **Max. Lift Above Ground** | 611 mm |
| **Max. Digging Width** | 2196 mm |

## FRONT BLADE

| | |
|---|---|
| **Blade Width** | 2501 mm |
| **Max. Lift Above Ground** | 579 mm |
| **Max. Grading Depth** | 125 mm |

Equipped with Dongfeng Cummins engine.
Single-handle electro-hydraulic controlled power shift T/M,6 forward & 3 reverse shifts makes operation easy and convenient.
Optimum axle load allocation provides excellent stability while grading rough and rocky area.
Box-Type frame and advanced T/M enable it to complete heavy-duty work.
A wide working range is accomplished through flexible moldboard suspension system and articulated frame.

## Best Matched Power Train



Equipped with Cummins engine that features strong power and low oil consumption.
ZF transmission with single handle that features perfect performance and easy operation.