MTZ550L Hydraulic Excavator

5.5-TONNE CLASS · RUBBER-SHOE TRACKS



KEY SPECIFICATIONS

OPERATING WEIGHT	**5,500 kg**
BUCKET CAPACITY	**0.24 m³**
ENGINE POWER	**49.2 kW**
GROUND-LEVEL REACH	**6,000 mm**
MAX. DIGGING DEPTH	**3,830 mm**

MTZ550L · COMPACT. CAPABLE. PRODUCTIVE.

MTZ550L Hydraulic Excavator

The MTZ550L Hydraulic Excavator combines a 5,500 kg operating weight, rubber-shoe tracks and a 0.24 m³ bucket. Its Kubota V2607 engine delivers 49.2 kW, with a 3,000 mm boom and 1,600 mm arm providing 3,830 mm digging depth and 4,360 mm dumping height.



FRONT / SIDE PROFILE



REAR PROFILE



OPERATOR CAB VIEW

49.2 kW	48.3 kN	0.24 m³	11 rpm
ENGINE POWER	BUCKET DIGGING FORCE	BUCKET CAPACITY	SWING SPEED

KEY FEATURES

- **V2607 ENGINE**
  4-cylinder, 2.615 L engine delivering 49.2 kW at 2,700 rpm.
- **HYDRAULIC PERFORMANCE**
  One variable-displacement axial-piston pump plus one gear pump.
- **5.5-TONNE CONFIGURATION**
  5,500 kg operating weight and 35° gradeability.
- **RUBBER-SHOE TRACKS**
  400 mm track shoes with a 1,600 mm gauge and 385 mm ground clearance.
- **WORKING RANGE**
  3,830 mm digging depth; 4,360 mm dumping height and 6,000 mm ground-level reach.
- **MATCHED ATTACHMENT**
  0.24 m³ bucket paired with a 3,000 mm boom and 1,600 mm arm.

Technical Specifications

ENGINE

Make / model	**Kubota V2607**
Type	**4-cycle; direct-injection diesel; water-cooled**
Cylinders	**4**
Rated power / speed	**49.2 kW / 2,700 rpm**
Max. torque / speed	**160 N·m / 1,600 rpm**
Displacement	**2.615 L (2,615 cm³)**
Turbocharging / intercooling	**Turbocharged; intercooled**

HYDRAULIC SYSTEM

Pump arrangement	**1 variable-displacement axial-piston pump + 1 gear pump**
Rated main pump flow	**158.4 L/min**
Main relief pressure	**24.5 MPa**
Travel / swing pressure	**24 / 24 MPa**
Pilot pressure	**3.5 MPa**

SERVICE REFILL CAPACITIES

Fuel tank	**75 L**
Hydraulic oil tank	**45 L**
Engine oil	**8.5 L**

ELECTRICAL SYSTEM

Electrical system	**12 V**
Battery	**1 × 12 V, 72 A**

GENERAL

Product / model	**Hydraulic Excavator / MTZ550L**
Undercarriage	**Tracked, rubber shoes**
Operating weight	**5,500 kg**
Bucket capacity	**0.24 m³**
Boom / arm length	**3,000 / 1,600 mm**
Operator cabin	**All-weather steel cab with air conditioning**

TRAVEL & SWING

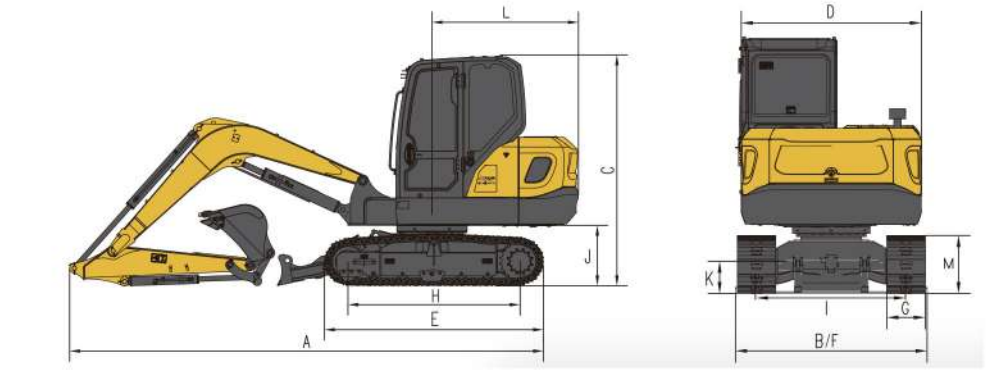
Travel speed (high / low)	**4.2 / 2.4 km/h**
Swing speed / angle	**11 rpm / 360°**
Ground pressure	**33.4 kPa**
Bucket / arm digging force	**48.3 / 32.5 kN**
Maximum traction force	**50.5 kN**
Gradeability	**35°**
Steering controls	**Hydraulic; 2 hand levers + 2 foot pedals**
Travel drive	**Fully hydrostatic; no mechanical transmission**

BRAKE SYSTEM

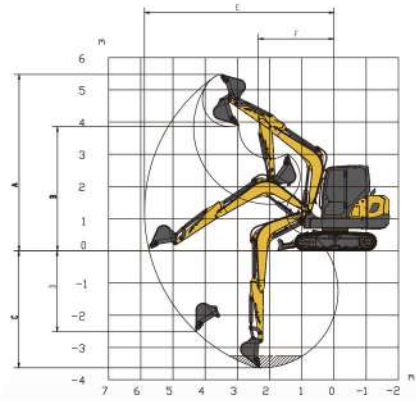
Swing parking brake	**Spring-set, hydraulically released disc type**
Travel parking brake	**Spring-set, hydraulically released disc type**

Dimensions & Working Range

MACHINE DIMENSIONS



WORKING ENVELOPE



MACHINE DIMENSIONS	
A · Overall length	**5,600 mm**
B · Overall width	**2,000 mm**
C · Height to top of cab	**2,557 mm**
D · Upper structure width	**1,880 mm**
E · Track length	**2,535 mm**
F · Undercarriage width	**2,000 mm**
G · Track shoe width	**400 mm**
H · Track wheelbase	**1,990 mm**
I · Track gauge	**1,600 mm**
J · Counterweight clearance	**700 mm**
K · Ground clearance	**385 mm**
L · Tail swing radius	**1,700 mm**
M · Track height	**606 mm**

WORKING RANGE	
A · Maximum digging height	**5,630 mm**
B · Maximum dumping height	**4,360 mm**
C · Maximum digging depth	**3,830 mm**
D · Max. vertical digging depth	**2,680 mm**
E · Maximum digging radius	**6,130 mm**
F · Minimum swing radius	**2,460 mm**
Digging reach at ground level	**6,000 mm**

Dimension letters refer to the schematic figures. All dimensions are in millimetres. Ground-level digging reach: 6,000 mm.

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