

- CUMMINS engine
- TOSHIBA hydraulic units
- MANULI hydraulic hoses
- AISA TRAK track and rollers
- High efficient Air conditioner
- Smooth and curvilinear outline
- VDO electronic surveillance system

Meets EPA Tier 2

- Rated Power 45kW
- Bucket Capacity 0.28-0.32m³
- Operating Weight 7000kg



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Engine CUMMINS B3.3
 Type Water-cooled, 4-stroke cycle, direction, turbocharged diesel engine

Cylinders-Bore x stroke 4-95 x 115 mm
 Displacement 3.3L
 Rated power 45kW(60hp)@2200rpm
 Maximum net torque 214N.m@1600rpm
 Electrical system 24V

Hydraulic system

Main pumps Variable displacement piston pump
 Maximum flow 170L/min
 Pilot pump Gear Pump

Relief valve setting

Implement circuits 27.4Mpa(280kg.f/cm²)
 Travel circuit 27.4Mpa(280kg.f/cm²)
 Swing circuit 20.6Mpa(210kg.f/cm²)
 Pilot circuit 3.9Mpa(40kg.f/cm²)

Cylinders

No. of cylinders - Bore x Stroke
 Boom 2x115 x 864mm
 Arm 1x100 x 867mm
 Bucket 1x90 x710mm

Drives & Brakes

Piston motor and decelerator are integrated that has high traction force and occupy small space and it is installed with hydraulic hoses in the crawl framework to prevent damage from a heavy road. Motor has brake and buffer to assure smooth travel and parking

Travel speed

High 5.2km/h
 Low 3.6km/h
 Grade ability 35°

Swing Mechanism

High torque piston motor and two-stage planetary reduction gear drives, brake is spring-set hydraulic released. It can be braked automatically when the swing-control-lever in the neutral position.
 Swing speed 12r/min

Undercarriage

Full welded heavy duty under carriage, two side frames are rigidly welded to the center frame. Track roller, carrier roller and idlers are sealed with floating seal. Track is adjusted by grease cylinder, with shock-absorbing spring.

Width of track shoes 450mm
 Number of carrier rollers 1 each side
 Number of track rollers 5 each side
 Number of idlers 1 each side
 Number of shoes 38 each side

Control

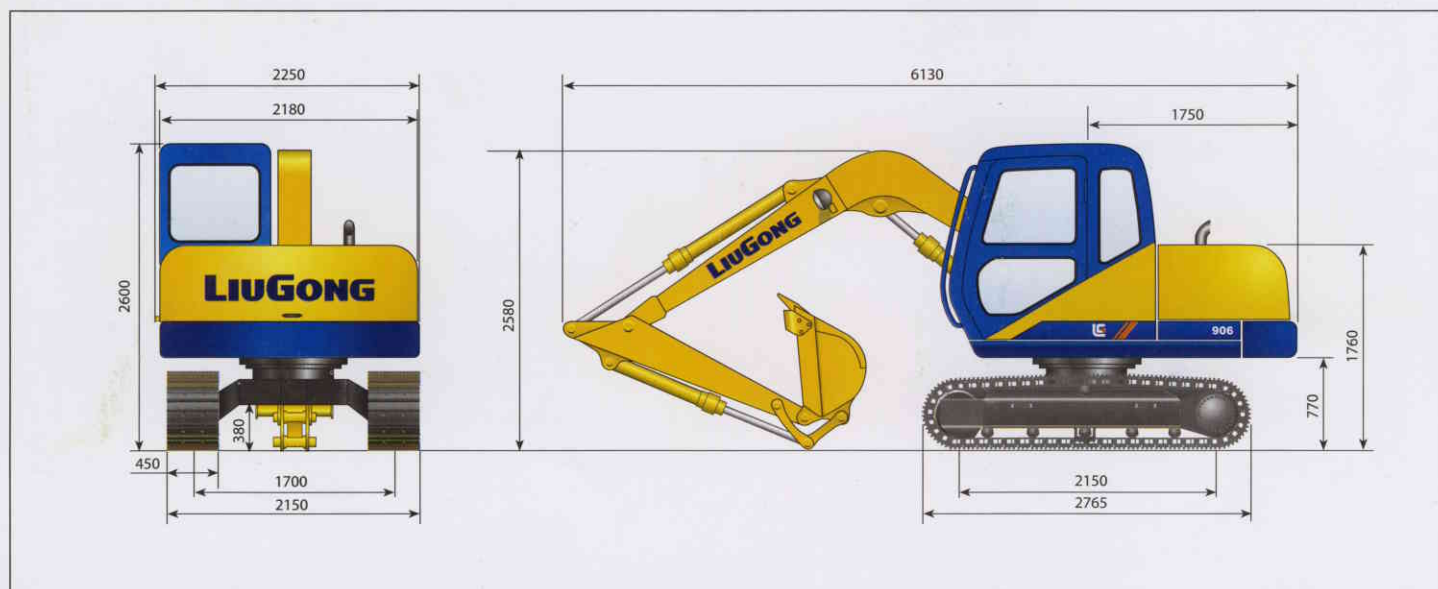
All kinds of movements are controlled by pilot-operated. Right lever controls boom and bucket moving. Left lever controls stick and swing. Foot control pilot valve with manually controlled lever to move or swing direction. Travel speed is changed by electric switch.

Coolant & Lubricant Capacity (refilling)

Fuel tank 135L
 Coolant 12L
 Engine 7L
 Final drive, each side 1.3L
 Swing drive 1.5 L
 Hydraulic tank 60 L

Performance data

Max. loading height 5080mm
 Max. cutting height 7150mm
 Max. digging depth 4150mm
 Max. reach 6365mm
 Min. turning radius 1840mm
 Max. depth of cut for 2.5m level bottom 3875mm
 Max. vertical digging depth 3230mm
 Max. reach at ground level 6225mm
 Max. stick digging force 41kN
 Max. bucket digging force 54kN
 Operating weight 7000kg
 Bucket capacity 0.28-0.32m³



Specifications and design are subject to change without prior notice. Machines shown may include optional equipment.