HD307

Dimensions

- Standard

- With Dozer blade (Option)

NOTE: Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice.

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Bucket capacity: 0.12m³ - 0.34m³ (ISO)
Engine output: 42kW/2,200min⁻¹ (STP/2,200rpm) (ISO, Net)
Operating weight: 6,400kg
Human-, Town-, Eco-friendly, Comfortable Performance!
Entirely New Town-type Machine Based on Respect for Man's Life
Technical Specifications (HD307)

**ENGINE**
- Model: ISUZU A-4JB1, 4 cycle diesel engine
- Number of cylinders: 4
- Bore & Stroke: 93mm x 102mm
- Total displacement: 2,771 L
- Rated output: 42kW/2,000rpm (57.4kW/2,050rpm) (ISO:Net)
- Max. torque: 188N/m @ 1,800rpm (19.3kgf-m / 1,800rpm) (ISO:Net)
- Compression ratio: 18.4:1
- Combustion system: Direct injection
- Cooling system: Pressurized water circulated by a centrifugal pump with thermostat
- Lubrication system: Pressurized oil fed by a gear pump through full-flow cartridge filter
- Starter: Electrict, 24V-20A
- Governor: Mechanical
- Air cleaner: Dry type filter

**HYDRAULIC SYSTEM**
- Pumps: Variable double piston pump and gear pump
  - Max. discharge flow: 2 x 82 L/min.
  - Max. discharge pressure: 24.5MPa (350kgf/cm²)
  - Max. discharge pressure (travel circuit only): 27.4MPa (390kgf/cm²)
- Control valves: 5 - 4 section multiple control valves (with service port)
- Pilot pump: Gear type
- Oil cooler: Filmed tube, forced ventilation
- Pressure relief valves: Primary and secondary on each circuit

**SWING SYSTEM**
- Swing motor: An axial piston motor with shockless valve
  - Brake: A hydraulic brake that locks automatically when the swing control lever is in the neutral position and a mechanical parking brake which is applied when the safety lock lever is pulled backwards, the engine is turned off or the swing control lever is in the neutral position.
- Lubrication: Completely housed and grease bathed
- Max. swing speed: 19.0m/s
- Max. swing radius: 3,700mm
- Min. swing radius: 1,640mm

**REFILLING CAPACITY**
- Fuel tank: 140 L
- Cooling system: 9.0 L
- Engine oil: 8.0 L
- Track drives: 2 x 1.7 L
- Swing drive: 1.5 L
- Hydraulic oil tank: 65 L
- (system): 105 L

**BOOM, ARM AND BUCKET**
- Boom cylinder: One, double acting
  - Arm cylinder: One, double acting
  - Bucket cylinder: One, double acting
- Bore & Stroke: 116mm X 875mm
- Bucket digging force: 57kN (5,800kgf)
- Arm digging force: 39.2kN (4,000kgf)

**WEIGHT (STD machine)**
- Operating weight: 6,400kg
- Ground pressure: 30.4kPa (0.31kgf/cm²)

**CAB & CONTROLS**
- Cab: The all-weather sound suppressed, 1,100mm wide presser steel cab
  - Cab mounting: Four point viscous mounted
  - Right hand lever: Controls the boom & bucket
  - Left hand lever: Controls the left hand track
- Meter & gauges: Hour meter, water temperature and fuel level
- Monitor lamps: Engine oil pressure, hydraulic oil filter, water temperature, water level, fuel level, water separator, battery charge and air cleaner.
- Indicator lamps: Engine preheater & engine slow down
- Traveling motors: Independent axial piston motor with reduction for each side
  - Brakes: Independent disk parking brakes for each side, applied automatically when the travel levers are in the neutral position
- Track shoes: 43 each side
- Lubrication: Sealed-for-life rollers and front idlers with sealing seals
- Travel speed: High 0 ~ 5.5km/h (0 ~ 3.4mph)
  - Low 0 ~ 3.7km/h (0 ~ 2.3mph)
- Gradeability: 70% (25°)
- Max. drawbar pull: 54.3kN (5,600kgf) (12,300lb)
- Lower rollers: 5 each side
- Upper roller: 1 each side

**TRAVEL SYSTEM**
- Traveling motors: Independent axial piston motor with reduction for each side
- Brakes: Independent disk parking brakes for each side, applied automatically when the travel levers are in the neutral position
- Track shoes: 43 each side
- Lubrication: Sealed-for-life rollers and front idlers with sealing seals
- Travel speed: High 0 ~ 5.5km/h (0 ~ 3.4mph)
  - Low 0 ~ 3.7km/h (0 ~ 2.3mph)
- Gradeability: 70% (25°)
- Max. drawbar pull: 54.3kN (5,600kgf) (12,300lb)
- Lower rollers: 5 each side
- Upper roller: 1 each side
Working Ranges (HD307)

Lifting Capacities (HD307)

HD307 450mm Shoe, 3.69m Boom, 1.72m Arm, 0.24m³ Bucket

HD307 450mm Shoe, 3.69m Boom, 2.22m Arm, 0.22m³ Bucket