



# Cat<sup>®</sup> 305.5E2

## MINI HYDRAULIC EXCAVATOR

### FEATURES:

The Cat<sup>®</sup> 305.5E2 Mini Hydraulic Excavator with standard tail and side boom design delivers high performance with low fuel consumption.

The durable and reliable structure helps you work in applications with high productivity but low operating cost.

- Cat C2.4 efficient DI engine delivers higher fuel efficiency.
- High digging forces, fast cycle times, and excellent stability boosts your productivity.
- 100% pilot controls and a load sensing hydraulic system.
- Heavy duty structural designs to ensure machine durability and reliability.
- Blade is standard with additional float function.
- Good serviceability with two (2) big side doors.
- Low counterweight that extends to two sides of the machine, improving the stability.
- Optional hydraulic line to extend the machine to equip with different hydraulic work tools.

### NEW STANDARD FEATURES ON THE 305.5E2

- Viscous cab mounting system, lower cab vibration for increased operator comfort.
- New air hose routing, lower noise level for increased operator comfort.
- New swing motor for better swing performance and reliability.
- New travel motor for smoother travel and increased reliability.
- Fuel tank sight gauge and hydraulic oil gauge with protection guard.
- Meets China Stage II sound level requirement with lower noise level.
- Equipped with GPS for accurate remote control and easy machine management.

## Specifications

### Engine

Engine Model	Cat C2.4 DI
<b>Gross Power @ 2,400 rpm</b>	
SAE J1995	34.1 kW
<b>Rated Net Power @ 2,400 rpm</b>	
ISO 9249/SAE J1349	31.1 kW
Bore	87 mm
Stroke	102.4 mm
Displacement	2.4 L

### Weights\*

Operating Weight with Cab	5400 kg
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\*Weight includes counterweight, steel tracks, 0.22 m<sup>3</sup> bucket, operator.

### Bucket

Bucket Capacity	0.22 m <sup>3</sup>
Bucket Width	766 mm

### Front

Boom Length	3200 mm
Stick Length	1500 mm

### Travel System

Travel Speed – High	4.3 km/h
Travel Speed – Low	2.8 km/h
Maximum Traction Force – High Speed	40.2 kN
Gradeability (maximum)	25°

### Hydraulic System

Load Sensing Hydraulics with Variable Displacement Piston Pump	
Type	Cat
Pump Flow at 2,400 rpm	140 L/min
Operating Pressure – Equipment	25 000 kPa
Operating Pressure – Travel	25 000 kPa
Operating Pressure – Swing	21 600 kPa
Digging Force – Stick	27.2 kN
Digging Force – Bucket	35 kN

### Swing System

Machine Swing Speed	10.5 min <sup>-1</sup>
Swing Torque	13.9 N·m

### Blade

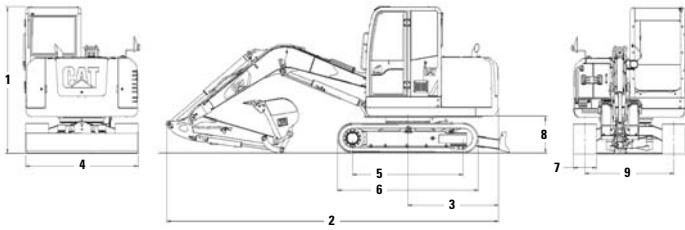
Width	1950 mm
Height	360 mm
Dig Depth	480 mm
Lift Height	365 mm

### Service Refill Capacities

Cooling System	9.8 L
Engine Oil	9.5 L
Fuel Tank	78 L
Hydraulic Tank	58 L
Hydraulic System	85 L

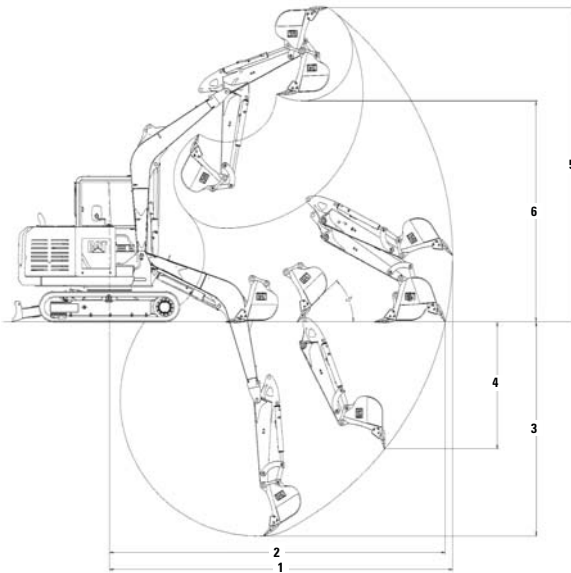


# 305.5E2 Mini Hydraulic Excavator



## Dimensions

1 Shipping Height	2540 mm
2 Shipping Length	5765 mm
3 Tail Swing Radius	1580 mm
4 Transport Width	1950 mm
5 Length to Center of Rollers	1920 mm
6 Track Length	2440 mm
7 Track Shoe Width	400 mm
8 Ground Clearance	628 mm
9 Track Gauge	1550 mm



## Working Range

1 Maximum Reach	5955 mm
2 Maximum Reach @ Ground Line	5830 mm
3 Maximum Depth	3720 mm
4 Maximum Vertical Wall	2210 mm
5 Maximum Digging Height	5460 mm
6 Maximum Dump Height	3835 mm

## STANDARD EQUIPMENT

- Diesel engine, C2.4 with mechanical governor
- One touch low idle
- Two speed travel with manual shift
- Caterpillar one key security system
- Door locks and cap locks
- Signaling/warning horn
- Product Link™ (PL241) – monitors machine hours and location
- Muffler with cover
- Radial seal air filter, double element
- Stacked cooling package
- Auxiliary hydraulic valve (one way/two way)
- Straight line travel
- Accumulator
- Cab:
  - Openable front windshield with assist device
  - Removable lower windshield with in cab storage bracket
  - Windshield wiper and washer
  - Interior lighting
  - Coat hook
  - Ashtray
  - Radio mounting (meet DIN size)
  - Two stereo speakers
  - Antenna
  - Cup holder
  - Storage pocket
  - Mounting for front and top guard (mounting boss)
- Monitor:
  - Instrument panel and gauge
  - Warning information and machine condition
- Hour meter
- Retractable seat belt (50 mm width)
- Hydraulic activation control lever (lock out) for all controls
- Two travel control hand levers
- Capability to install one additional pedal for auxiliary hydraulic control
- 400 mm triple grouser track shoes with holes (for rubber pad)
- 1950 mm blade with cutting edge
- Towing eye on base frame
- Rearview mirror, mounted on right hand side of upper frame
- Light GP – cab

## OPTIONAL EQUIPMENT

- Control AR – AUX, auxiliary hydraulic lines from main auxiliary valve to boom foot plus auxiliary control pedal, auxiliary hydraulic lines from boom foot to stick, stop valves
- Travel alarm
- Heavy duty swivel guard
- Cab front guard
- Drain GP – oil pan (ecology)
- Heater GP – JW
- MTG GP-FILM; plate for year of manufacture for export machines

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