302.5

Mini Hydraulic Excavator

CAT®

Cat® 3013 Naturally Aspirated Diesel Engine

Flywheel Power	**17.1 kW/22.9 hp**
Operating Weight	
With cab	2734 kg
With canopy	2619 kg

Engine

Caterpillar 3013 naturally aspirated, watercooled, 4-stroke, 3-cylinder diesel engine.

Ratings at 2300 rpm	kW	hp
Gross power	18.0	24.1
Net power	17.1	22.9

Dimensions	
Bore	84 mm
Stroke	90 mm
Displacement	1496 cm³

Blade

Blade is full width of the machine.

Width	1450 mm
Height of blade	350 mm
Dig depth	290 mm
Lift height	320 mm

Swing System

Hydraulic motor-driven.

- Automatic swing brake, spring applied, hydraulic release
- Centralized lubrication
- Machine swing speed 9.0 rpm

Travel System

Travel speed	
High	4.5 km/h
Low	2.5 km/h

- Each track is driven by one independent 2-speed motor
- Drive modules are integrated into the roller frame for total protection
- Straight line travel when tracking and operating the front linkage simultaneously

Undercarriage

H-shaped, fabricated frame.

- Tapered roller frame reduces accumulation of material in the tracks
- Track shoe width is 300 mm for both standard rubber and optional steel shoes
- Ground clearance is 310 mm

Electrical System

12-volt system.

- 55-amp alternator
- 12-volt, 560 CCA, 53 amp/h maintenance free battery
- Sealed electrical connectors

Hydraulic System

- Auxiliary valve, lines to the swing post and foot pedal are standard
- Optional auxiliary hydraulic lines are available
- Secondary optional auxiliary line uses the bucket cylinder hydraulic circuit
- Boom, stick, bucket and machine swing are pilot-controlled

Pumps: two piston, one gear-type (max. delivery)	
Piston	33.3 x 2 lpm
Gear	19 lpm

Operating pressures	
Equipment	20 600 kPa
Travel	20 600 kPa
Swing	17 200 kPa

Auxiliary circuit (max. delivery)	52 lpm at 17 200 kPa

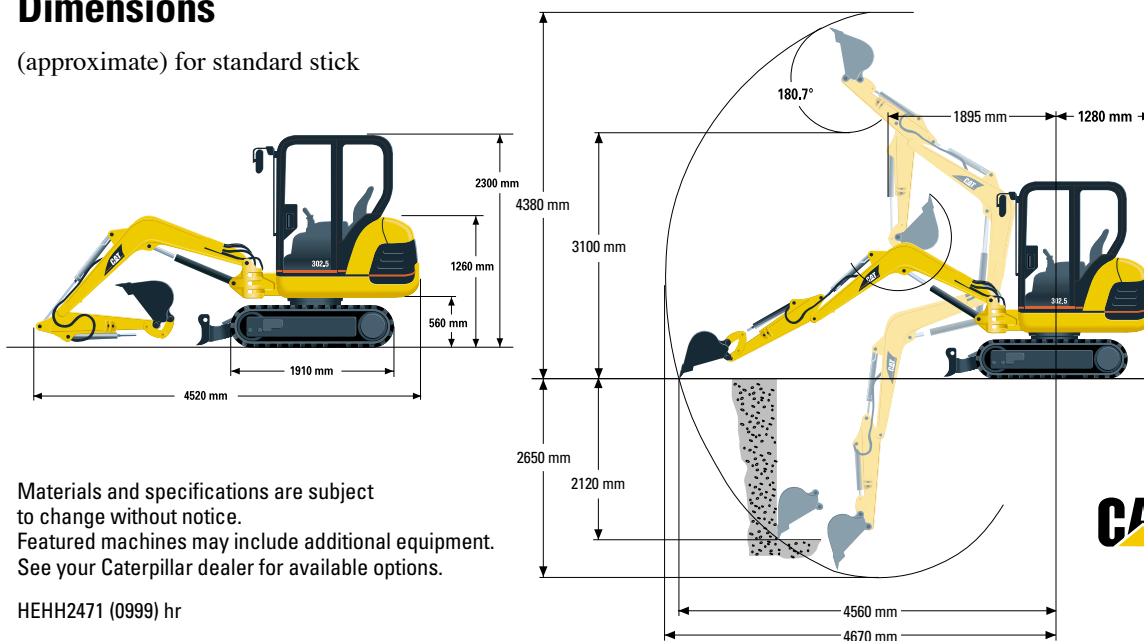| Digging forces (at cutting edge)	
Stick (standard)	13.9 kN
Stick (long)	11.9 kN
Bucket	22.0 kN

Weights

With rubber tracks, bucket, operator, full fuel and auxiliary lines

Cab	*2734 kg
Canopy	*2619 kg

* Weight varies depending on machine configuration.

Dimensions

(approximate) for standard stick

2300 mm
1260 mm
560 mm
1910 mm
4520 mm

180,7°
1895 mm
1280 mm
4380 mm
3100 mm
2650 mm
2120 mm
4560 mm
4670 mm

Materials and specifications are subject to change without notice.
Featured machines may include additional equipment.
See your Caterpillar dealer for available options.

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