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CAT 325 Excavator

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CAT 325 Excavator

The CAT 325 Excavator is a powerful and versatile piece of heavy equipment commonly used in construction, demolition, and mining operations. With a standard digging depth of 22 feet and a standard digging reach of 31 feet, this excavator is capable of handling a wide range of tasks.

One of the most common uses of the CAT 325 Excavator is in digging and excavation. The machine is equipped with a powerful hydraulic arm and bucket, allowing it to easily dig into the earth and remove large amounts of dirt and rock. This makes it ideal for tasks such as trenching, grading, and foundation digging. The excavator's cab also rotates 360 degree which gives great flexibility to the operator.



In addition to digging and excavation, the CAT 325 Excavator is also commonly used for demolition work. Its hydraulic arm and bucket can be used to tear down buildings, bridges, and other structures. The excavator's ability to rotate its cab also gives it the ability to reach tight spaces and hard to reach areas with ease.

The CAT 325 Excavator is also equipped with a number of features that make it more efficient and easy to operate. For example, it is equipped with a control system that allows the operator to control the speed and power of the machine's movement, as well as the movement of the arm and bucket. The operator cab also provides a comfortable and ergonomic space for the operator, which can be equipped with air conditioning, heating, and even a radio.

LATEST FEATURES

- Optional CAT 325 Excavator Command remote control allows you to work outside of the cab to help avoid potential hazards.
- Optional CAT 325 Excavator Detect – People Detection helps the operator avoid personnel on the jobsite with visual and auditory alerts.

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- Optional integrated vehicle health management system alerts the operator with service guidance and parts needed to enhance uptime.
- Optional single antenna global navigation satellite system (GNSS) gives you visual and auditory guidance to grade.
- Optional auxiliary relay powers on and turns off CB radios, beacon lights, and other attachments without you taking your hands off the joysticks.
- Enhance visibility to make service work easier and safer with optional inspection lighting.
- Make the jobsite safer with an optional swing alarm.
- Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

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HIGH PERFORMANCE

- The C7.1 twin turbo engine reliably delivers power to the pumps for maximum production.
- The electrohydraulic system responds quickly and efficiently to the task at hand.
- Match the excavator to the job with three power modes – Power, Smart, and Eco.
- Power mode is maximum power all the time. Smart mode automatically matches engine and hydraulic power to digging conditions, providing maximum power when needed and reducing power when it isn't to help save fuel.
- Eco mode reduces engine speed and keeps it constant to reduce fuel consumption.

PRODUCT SPECIFICATIONS

Engine	
Net Power – ISO 9249	172 Hp
Engine Model	Cat C4.4
Engine Power – ISO 14396	174 Hp
Bore	4 in
Stroke	5 in
Displacement	269 in ³

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Hydraulic System

Main System – Maximum Flow	429 L / min (× 2 pumps) / 113 gal / min (× 2 pumps)
Maximum Pressure – Equipment – Normal	5075 psi
Maximum Pressure – Equipment – Lift Mode	5510 psi
Maximum Pressure – Travel	5075 psi
Maximum Pressure – Swing	3988 psi

Swing Mechanism

Swing Speed	11.6 r / min
Maximum Swing Torque	54900 ft-lbs

Weights

Operating Weight	62800 lbs
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Machine Weight

Operating Weight – 600 mm (24 in) Triple Grouser Shoes	49400 lbs
Note (1)	Standard undercarriage, Reach boom, R2.9 m (9 ft 6 in) stick, HD 0.9 m ³ (1.18 yd ³) bucket, 600 mm (24 in) triple grouser shoes, and 4900 kg (10800 lbs) counterweight.
Operating Weight – 790 mm (31 in) Triple Grouser Shoes	62800 lbs
Note (2)	Long undercarriage, Reach boom, R2.9 m (9 ft 6 in) stick, HD 1.19 m ³ (1.56 yd ³) bucket, 790 mm (31 in) HD triple grouser shoes and 8300 kg (18300 lbs) counterweight.

Service Refill Capacities

Fuel Tank Capacity	82.7 gal (US)
Cooling System	3.1 gal (US)

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Engine Oil	4 gal (US)
Swing Drive	3.2 gal (US)
Final Drive – Each	1.1 gal (US)
Hydraulic System – Including Tank	60.8 gal (US)
Hydraulic Tank	29.4 gal (US)
DEF Tank	6.9 gal (US)

Dimensions

Boom	Reach 5.7 m (18 ft 8 in)
Stick	Reach 2.9 m (9 ft 6 in)
Bucket	HD 1.19 m ³ (1.56 yd ³)
Shipping Height – Top of Cab	10.1 ft
Handrail Height	10.5 ft
Shipping Length	29.2 ft
Tail Swing Radius	5.11 ft
Track Length	14.7 ft
Length to Center of Rollers	12 ft
Ground Clearance	1.5 ft
Track Gauge	7.1 ft
Transport Width – 600 mm (24 in) Shoes	9.8 ft
Transport Width – 700 mm (28 in) Shoes	10.1 ft
Transport Width – 790 mm (31 in) Shoes	10.4 ft
Counterweight Clearance	3.3 ft

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Working Ranges & Forces

Maximum Digging Depth	22 ft
Boom	Reach 5.7 m (18 ft 8 in)
Stick	Reach 2.9 m (9 ft 6 in)
Bucket	HD 1.19 m ³ (1.56 yd ³)
Maximum Reach at Ground Level	32.1 ft
Maximum Cutting Height	36 ft
Maximum Loading Height	25.11 ft
Minimum Loading Height	9.9 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	21.5 ft
Maximum Vertical Wall Digging Depth	16 ft
Bucket Digging Force – ISO	33720 lbf
Stick Digging Force – ISO	23830 lbf

Sustainability

Recyclability	98%
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