

Technical Specifications

Engine

Engine Model	Cat C2.4 turbocharged engine
Net Power at 2400 rpm	
ISO 9249, 80/1269/EEC	34.9 kW
Engine power	
ISO 14396	36.5 kW
Bore	87 mm
Stroke	102 mm
Displacement	2.43 L

- Meets China's National IV emission standards for non-road vehicles.
- The nominal power is tested according to the specified standards in effect at the time of manufacture.
- Nominal net power refers to the power provided at the flywheel when the engine is equipped with a fan, intake system, exhaust system, and alternator.

Weight

Minimum operating weight (including cab)**	7504 kg
Maximum operating weight (including cab)**	8113 kg

*Minimum weight based on steel tracks, operator, full fuel tank, standard stick and bucket, No additional weight.

**Maximum weight is based on steel tracks, operator, full fuel tank, standard boom, blade and bucket, with additional counterweight.

Bucket

Bucket capacity	0.33 m ³
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The minimum configuration has increased weight.

Additional weight.	250 kg
Shovel.	333 kg

Driving System

Driving Speed-High	5.0 km/h
Driving Speed-Low	3.1 km/h
Maximum Traction-High Speed	26.1 kN
Maximum Traction-Low Speed	62.4 kN
Ground Pressure – Minimum Weight	32.6 kPa
Ground Pressure – Maximum Weight	35.2 kPa
Climbing Ability (Maximum)	30°

Maintenance and filling capacity

Cooling system	10.0 L
Engine oil	9.5 L
Fuel tank	145 L
Hydraulic oil tank	53 L
Hydraulic system	104 L

Hydraulic System

Load-sensing hydraulic system equipped with a variable displacement piston pump		167 L/min
Pump flow rate at 2400 rpm		
Operating pressure – Equipment		285 bar
Operating pressure – Travel		285 bar
Operating pressure – Rotation		250 bar

Main and Auxiliary Circuits

Traffic	131 L/min
Pressure	285 bar
Digging force – boom (standard)	37.8 kN
Excavation power - bucket	54.6 kN

Slewing system

Machine rotation speed	10 rpm
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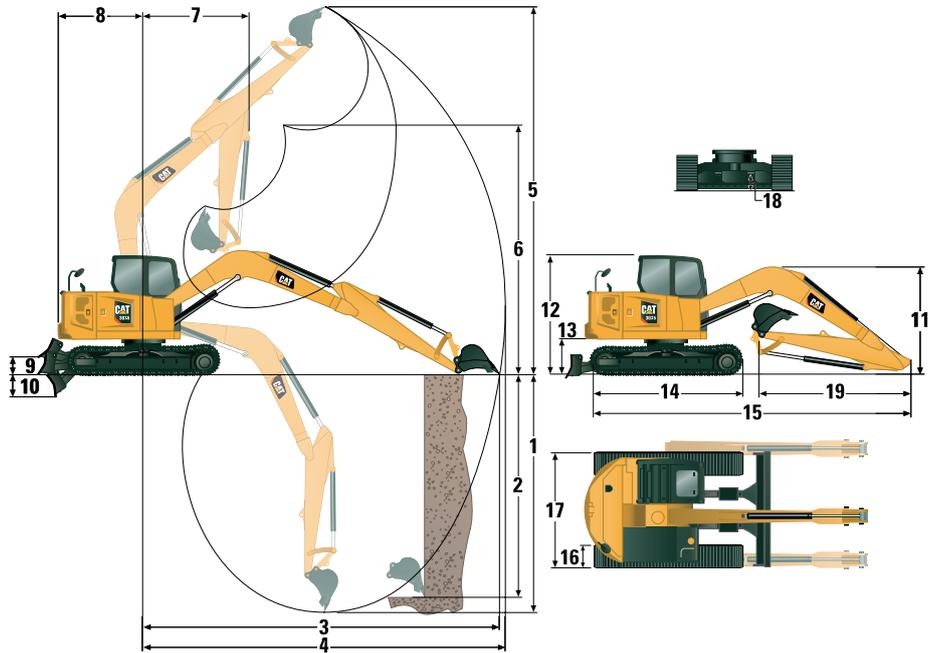
Shovel blade

Width	2280 mm
Height	431 mm

Certifications - Cab

Roll Protection Structure (ROPS)	ISO 12117-2:2008
Top Cover (Optional)	ISO 10262:1998 (Level I)

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size

	Standard pole
1 Dig deeper	4047 mm
2 vertical wall	3544 mm
3 Maximum ground extension distance	6139 mm
4 Maximum stretch distance	6297 mm
5 Maximum excavation height	7401 mm
6 Maximum unloading gap	5353 mm
7 boom retraction position	1681 mm
8 Tail turning radius	
With extra weight	1995 mm
No additional weight	1800 mm
9 Maximum blade height	363 mm
10 Maximum blade depth	414 mm
11 boom loading height	2569 mm
12 Cab height	2574 mm
13 Slewing bearing height	789 mm
14 Total length of chassis system	2880 mm
15 Total transport length	6130 mm
16 Track width	450 mm
17 Total track width	2200 mm
Upper body width	2250 mm
18 ground clearance	370 mm
19 pole length	1670 mm

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Enhance capabilities - minimum requirements*

Lifting point height			3 m			4.5 m			Lift point radius (maximum)			
			front		side	front		side	front		side	m
			blade lowers	blade rises		blade lowers	blade rises		blade lowers	blade rises		
4.5 m	Standard pole	kg	1720	1720	1730			749	738	738	738	4.45
3 m	Standard pole	kg	2139	2139	2167	1592	1592	1604	704	704	704	5.19
1.5 m	Standard pole	kg	2718	2718	2770	1754	1754	1327	760	760	760	5.43
0 m	Standard pole	kg	2844	2844	3369	1489	1489	1246	921	921	921	5.25

*The minimum weight includes steel tracks, operator, full fuel tank, standard boom and bucket, with no additional counterweight.

Enhance capabilities - highest configuration**

Lifting point height			3 m			4.5 m			Lift point radius (maximum)			
			front		side	front		side	front		side	m
			blade lowers	blade rises		blade lowers	blade rises		blade lowers	blade rises		
4.5 m	Standard pol	kg	1720	1720	1730			749	738	738	738	4.45
3 m	Standard pole	kg	2139	2139	2167	1592	1592	1604	704	704	704	5.19
1.5 m	Standard pole	kg	2718	2718	2770	1754	1754	1489	760	760	760	5.43
0 m	Standard pole	kg	2844	2844	2893	1785	1785	1408	921	921	921	5.25

** Maximum weight includes steel tracks, operator, full fuel tank, standard boom, blade and bucket, plus additional counterweight.

Standards and Selected Equipment

Standards and selected equipment may differ.

	Standard	Selection		Standard	Selection
Operator Environment – Cab and Canopy			Operator Environment – Cab only		
Top Cover	ISO 10262 1998 Class I	✓	Operator Sound Pressure Level	72 dB (A) ISO 6396:2008	
ROPS	ISO 12117-2:2008	✓	Air Conditioning with Automatic Temperature Control		
Single Handle Mode		✓	Integrated Lower Front Window		✓
Driving Cruise Control		✓	Auxiliary Front Window Top Storage Area		✓
Control Mode Converter		✓	Rear Window Emergency Exit		✓
Adjustable Wrist Rest		✓	LED Interior Lighting		✓
Molded Foot Pedals		✓	12V Power Outlet		✓
Removable, Washable Floor Mats		✓	Radio – Bluetooth®, Auxiliary, Microphone		
Driving Pedals and Manual Control Stick		✓	USB (Charging Only)		
CAT Key with Password Start		✓	Sunroof		✓
Hydraulic Locking Control		✓	Dial Interface		✓
High-Back Suspension Seat		✓	Suspension Seat		✓
Retractable Seatbelt (75 mm/3 in)		✓	Chassis System		
Clothing Hooks		✓	Pre-lubricated Tracks		✓
Cup Holders		✓	Hydraulic Track Adjuster		✓
Document Holders		✓	Tethering Points on Track Holder		✓
Mounting Posts for Top and Front Covers		✓	Bulldozer Shovel		✓
Cabin and (Left) Boom Work Lights		✓	Bulldozer Floating Function		✓
Mobile Phone Storage Space		✓	Bolt-Mounted Reversible Wear-Resistant Shovel Edge		✓
Rain and Sun Visor		✓	Steel Tracks (450 mm/17.7 in Width)		✓
Next-Generation Color LCD Monitor (IP66)		✓			
– Fuel Level Gauge and Coolant Temperature Gauge		✓			
– Maintenance and Machine Condition Monitoring		✓			
– Performance and Machine Adjustment		✓			
– Digital Security Password		✓			
– Multi-Language		✓			
– Clock with Wake-up Switch		✓			

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Standards and Selected Equipment (Continued)

Standards and selected equipment may differ.

	Standard	Selection		Standard	Selection
boom, stick, and connecting rod			other		
Integral boom (3700 mm/146 in)	✓		Car door lock	✓	
Standard pole (1665 mm/65.5 in)	✓		Lockable fuel cap	✓	
Capable of installing front shovels – pin-mounted/manual Connector/Hydraulic Connector (for Cat Tools)			Rear reflector	✓	
Bucket (0.33 m ³ /0.43 yd ³)	✓		Additional counterweight		✓
Hydraulic hammer		✓	Water jacket water heater		✓
First auxiliary hydraulic		✓			
line electrical system					
12 V electrical system	✓				
90 A AC generator	✓				
650 CCA maintenance-free battery	✓				
Battery disconnect device	✓				
breaker	✓				
Ignition key stop switch	✓				
Signal/Alarm Horn	✓				
Product Link Elite (Subject to Regulations)	✓				