

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN	STANDARD	OPTIONAL
Cat C7.1 Engine	•	
ECO Mode	•	
50° C (122° F) Ambient Capacity	•	
Engine Idle Shutdown Timer	•	
Differential Lock	•	
Hydraulic Demand Fan	•	
Reversing Fan		•

CAB	STANDARD	OPTIONAL
ROPS/FOPS		•
Mechanical Suspension Seat	•	
Air Suspension Adjustable Seat		•
Canopy Cab		•
Touchscreen Display		•
Standard Information Display	•	
Adjustable Control Console (Levers)	•	
Entertainment Radio Ready		•
Halogen Lighting	•	
LED Lighting		•
USB/Auxiliary Radio		•

CAT TECHNOLOGY	STANDARD	OPTIONAL
Product Link	•	
Remote Services		•

DRAWBAR CIRCLE MOLDBOARD	STANDARD	OPTIONAL
Standard Drawbar Circle Moldboard	•	
Circle Drive Slip Clutch	•	
Circle Saver	•	
Top Adjust Drawbar Circle Moldboard		•

SAFETY AND SECURITY	STANDARD	OPTIONAL
Rearview Mirror	•	
Side view Mirror	•	
Signaling/Warning Horn	•	
Secondary Steering System		•
Rearview Camera		•
Hydraulic Brakes	•	

SERVICE AND MAINTENANCE	STANDARD	OPTIONAL
Grouped Location for Engine Oil and Fuel Filters	•	
Extended Life Coolant	•	
Ground Level Fuel Fill		•

ATTACHMENTS	STANDARD	OPTIONAL
Push Block		•
Front Lift Group		•
Ripper		•
Scarifier		•
Mid Mount Scarifier	•	
Front Blade		•

120

MOTOR GRADER



Engine Power 93 kW (125 hp)
Operating Weight 15 699 kg (34,610 lb)

Cat® C7.1 Engine meets China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA.



GAINWELL COMMOALES PRIVATE LIMITED

CIN: U74900WB2014PTC204347
 (Formerly Tractors India Private Limited)

Godrej Waterside Tower-II, 7th Floor, Unit No. 705, Block-DP, Sector-V, Salt Lake, Kolkata 700 091, West Bengal
 Tel: (91) 33 6644 2000 | Fax: (91) 33 6644 2009 | Miss Call No.: (91) 80811 12244
 Website: www.gainwellindia.com

Toll Free : 1-800-4193356 / 3357

© 2021 Caterpillar. All Right Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.



March 2021

TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

POWER TRAIN

Engine Model	Cat C7.1	
	China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA	
Engine Power ISO 9249, SAE J1349, EEC 80/1269	93 kW-116 kW 125 hp-156 hp	
Bore	105 mm	4.1 in
Displacement	7.01 L	427.8 in ³
Stroke	135 mm	5.3 in
Engine RPM	2,000 rpm	
Maximum Torque – ISO 9249	822 N·m	606 lbf·ft
Top Forward Speed	48.3 km/h	30.1 mph
Top Reverse Speed	38.1 km/h	23.7 mph
Turning Radius, Outside Front Tires	7.4 m	291.3 in
• Engine power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.		
• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO ₂ equivalent of 2.288 metric tonnes.		
• Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler, and alternator.		

WEIGHT

Typically Equipped Machine Weight*	15 699 kg	34,610 lb
*Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, push block, transmission guard, rear ripper/scarifier, 14.0R24 tires on multi-piece rims, 3.7 m (12 ft) blade, and other equipment.		

SERVICE REFILL CAPACITIES

Fuel Tank	246 L	65 gal
Circle Drive	7 L	1.8 gal
Engine Crankcase	18 L	4.8 gal
Cooling System	52.5 L	14 gal
Hydraulic System	97 L	25.6 gal
Transmission and Differential	60 L	15.8 gal

BLADE RANGE

Circle Center Shift		
Right	656 mm	26 in
Left	656 mm	26 in
Moldboard Side Shift		
Right	510 mm	20.1 in
Left	660 mm	26 in
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach		
Right	1905 mm	75 in
Left	1742 mm	68.6 in
Maximum Lift Above Ground	410 mm	16.1 in
Maximum Depth of Cut	775 mm	30.5 in

MOLDBOARD

Width	3.7 m	12 ft
Height	610 mm	24 in
End Bit	152 mm	6 in
Cutting Edge	152 mm	6 in
Arc Radius	413 mm	16.3 in
Throat Clearance	120 mm	4.7 in

DIMENSIONS

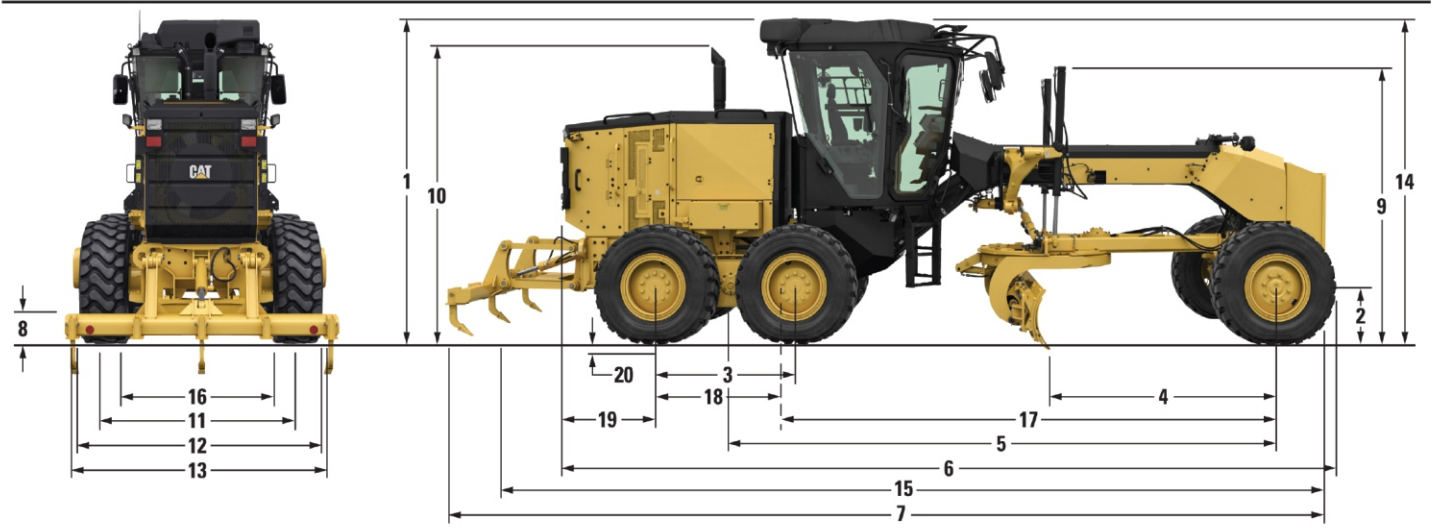
Length of Machine*	9838 mm	387 in
Maximum Height	3440 mm	135.4 in
Width	2495 mm	98.2 in
*Typically equipped with push block and ripper		

OPERATING SPECIFICATIONS

Top speed forward	48.3 km/h	30.1 mph
Top speed reverse	38.1 km/h	23.7 mph
Turning Radius, Outside Front Tires	7.4 m	291.3 in
Steering Range	50° Left and Right	
Articulation Angle	20° Left and Right	
Front Wheel Lean	18° Left and Right	
Total Oscillation	32°	

Dimensions

All dimensions are approximate.



1 Height – Top of Cab	3465 mm	136.4 in
2 Height – Front Axle Center	590 mm	23.2 in
3 Length – Between Tandem Axles	1510 mm	59.5 in
4 Length – Front Axle to Moldboard	2551 mm	100.4 in
5 Length – Front Axle to Mid Tandem	5945 mm	234 in
6 Length – Front Tire to Rear of Machine	8534 mm	336 in
7 Length – Push Plate to Ripper	9838 mm	387 in
8 Ground Clearance at Rear Axle	349 mm	13.7 in
9 Height to Top of Cylinders	2895 mm	114 in
10 Height to Exhaust Stack	2924 mm	115 in
11 Width – Tire Center Lines	2070 mm	81.5 in
12 Width – Outside Rear Tires	2491 mm	98 in
13 Width – Outside Front Tires	2495 mm	98.2 in
14 Maximum Height – with Attachments	3440 mm	135.4 in
15 Length – Push Plate to Raised Ripper	9583 mm	377 in
16 Width – Inside Rear Tires	1649 mm	64.9 in
17 Length – Front Axle to Articulation Hitch	5284 mm	208 in
18 Length – Rear Axle to Articulation Hitch	660 mm	26 in
19 Length – Rear Axle to Rear of Frame	1726 mm	68 in
20 Height – Tire Deflection at Performance Weight	45 mm	1.8 in

120 TRAVEL SPEED & NET POWER

	Travel Speed	Net Power	
Forward			
1st	4.1 km/h	93 kW	125 hp
2nd	5.6 km/h	97 kW	130 hp
3rd	8.2 km/h	101 kW	136 hp
4th	11.3 km/h	108 kW	145 hp
5th	17.7 km/h	112 kW	150 hp
6th	24.1 km/h	116 kW	156 hp
7th	33.2 km/h	116 kW	156 hp
8th	48.3 km/h	116 kW	156 hp
Reverse			
1st	3.3 km/h	93 kW	125 hp
2nd	6.1 km/h	97 kW	130 hp
3rd	8.9 km/h	101 kW	135 hp
4th	14.0 km/h	101 kW	135 hp
5th	26.2 km/h	101 kW	135 hp
6th	38.1 km/h	101 kW	135 hp

CAB FEATURES

FEATURE	DESCRIPTION	BASE	COMFORT PLUS	PREMIUM PLUS
ROPS/FOPS	Sound Suppression	●	●	●
	Canopy	○	x	x
Seat	Mechanical Suspension	●	○	○
	Air Suspension	x	●	●
	Heated/Cooled	x	x	●
HVAC	Lumbar Support	x	●	●
	Heating, Ventilation, and Air Conditioning	●	●	●
	Defrost Fans	x	●	●
Information Display	Touchscreen	○	○	○
	Standard Display	●	●	●
Lighting	Halogen Bulbs	●	●	●
	LED Bulbs	○	○	○

● – standard ○ – optional x – not available