

Next Generation

Cat® 150

Motor Graders

Power to the Ground

A new specification is now available on Next Generation Cat® 150 Motor Graders, showing the actual power to the ground performance. Cat updated the power strategy (called Power to the Ground) so the machine now delivers consistent power in every condition – hot or cold weather, heavy or light load. This means the grader feels more stable, more predictable, and easier to control, especially when fine-grading. You still get the same real-world productivity, with smoother operation and better fuel efficiency.

More Consistent Power to the Ground

- With true constant net power, the machine delivers the same power at a given engine speed and gear, regardless of ambient temperature or load.
- This means operators experience more predictable grading performance. Consistent power to the ground also improves machine feel and control during fine-grading work.

Improved Grading Quality with Integrated Control Technologies

- Because the power curve is more stable, technologies such as Cat Grade with Cross Slope, Stable Blade, and 3D Grade perform more accurately. Stable, predictable power improves automated blade control response.

No Loss in Real-World Productivity

- With the Next Generation Cat 150 motor graders, you get the same legendary performance for road building, site prep, ditching, and snow removal – now backed by the latest design evolution. The model numbers changed. The capability didn't.

Better Fuel Efficiency

- Power to the Ground supports smoother operation and reduced fuel burn by avoiding unnecessary power spikes, allowing the machine to run in optimized power more often.

Cat® 150 Motor Grader

Technical Specifications

AWD

	150 (16A) LVR / JOY				150 (15B) JOY			
Power Type	ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*	
Finish Gear	104 kW	139 hp	73 kW	98 hp	-		-	
1F	145 kW	195 hp	108 kW	145 hp	164 kW	220 hp	117 kW	157 hp
2F	167 kW	224 hp	126 kW	168 hp	180 kW	241 hp	130 kW	174 hp
3F	176 kW	236 hp	128 kW	171 hp	184 kW	246 hp	128 kW	171 hp
4F	187 kW	250 hp	129 kW	172 hp	188 kW	252 hp	123 kW	165 hp
5F	197 kW	264 hp	130 kW	175 hp	203 kW	272 hp	129 kW	172 hp
6F	197 kW	264 hp	125 kW	167 hp	203 kW	272 hp	122 kW	163 hp
7F	197 kW	264 hp	111 kW	149 hp	203 kW	272 hp	108 kW	144 hp
8F	197 kW	264 hp	99 kW	132 hp	203 kW	272 hp	91 kW	122 hp
ISO 14396 Gross	211 kW	283 hp	-	-	192 kW	257 hp	-	-
Max Torque	1359 N•m	1002 lb-ft			1247 N•m	920 lb-ft		
Rated Speed	2,000 rpm				2,000 rpm			
Peak Torque	1,000 rpm				1,400 rpm			

Non-AWD

	150 (16A) LVR / JOY				150 (11A) LVR				150 (15B) JOY			
Power Type	ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*	
Finish Gear	99 kW	133 hp	73 kW	97 hp	-		-		-		-	
1F	139 kW	186 hp	107 kW	144 hp	139 kW	186 hp	103 kW	138 hp	149 kW	200 hp	107 kW	144 hp
2F	149 kW	199 hp	115 kW	154 hp	139 kW	186 hp	103 kW	138 hp	157 kW	210 hp	114 kW	153 hp
3F	158 kW	212 hp	121 kW	162 hp	147 kW	197 hp	107 kW	143 hp	164 kW	220 hp	119 kW	159 hp
4F	163 kW	219 hp	121 kW	162 hp	154 kW	207 hp	109 kW	146 hp	172 kW	231 hp	121 kW	162 hp
5F	169 kW	226 hp	121 kW	162 hp	154 kW	207 hp	104 kW	140 hp	176 kW	236 hp	120 kW	160 hp
6F	175 kW	235 hp	119 kW	160 hp	154 kW	207 hp	98 kW	131 hp	180 kW	241 hp	117 kW	156 hp
7F	181 kW	242 hp	111 kW	149 hp	154 kW	207 hp	84 kW	113 hp	184 kW	246 hp	106 kW	143 hp
8F	186 kW	249 hp	109 kW	146 hp	154 kW	207 hp	53 kW	71 hp	188 kW	252 hp	82 kW	110 hp
ISO 14396 Gross	200 kW	268 hp	-	-	163 kW	219 hp	-	-	177 kW	237 hp	-	-
Max Torque	1251 N•m	923 lb-ft			1077 N•m	794 lb-ft			1139 N•m	840 lb-ft		
Rated Speed	2,000 rpm				2,000 rpm				2,000 rpm			
Peak Torque	1,000 rpm				1,000 rpm				1,000 rpm			

- Calculated powers verified by independent testing at Nebraska Tractor Lab, Lincoln NE, August 19, 2024. Conditions include dry concrete track with average temperature 24° C (75° F).

*Ground speed matched (+/-50 rpm engine). Performance variable fan speed 90%

IBAMA PROCONVE HOMOLOGADO

AEXQ4499-00 (04-2026)
Build Number: 16A
(Global)

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**.

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

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