



Next Generation

Cat[®] 140

Motor Graders

Power to the Ground

A new specification is now available on Next Generation Cat[®] 140 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 140 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® 140 Motor Grader

Technical Specifications

AWD												
140 (16A) LVR / JOY				140 (15B) JOY				140 (13A) LVR				
Power Type	ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*	
Finish Gear	98 kW	131 hp	68 kW	91 hp	-				-			
1F	132 kW	177 hp	95 kW	128 hp	149 kW	200 hp	95 kW	127 hp	147 kW	197 hp	100 kW	134 hp
2F	144 kW	193 hp	104 kW	139 hp	164 kW	220 hp	107 kW	143 hp	162 kW	217 hp	112 kW	150 hp
3F	155 kW	208 hp	108 kW	145 hp	168 kW	225 hp	104 kW	139 hp	166 kW	223 hp	110 kW	148 hp
4F	164 kW	220 hp	108 kW	145 hp	172 kW	231 hp	98 kW	132 hp	170 kW	228 hp	105 kW	141 hp
5F	173 kW	232 hp	110 kW	147 hp	188 kW	252 hp	104 kW	139 hp	186 kW	249 hp	110 kW	148 hp
6F	179 kW	240 hp	108 kW	145 hp	188 kW	252 hp	96 kW	129 hp	201 kW	270 hp	118 kW	158 hp
7F	188 kW	252 hp	106 kW	142 hp	188 kW	252 hp	82 kW	110 hp	201 kW	270 hp	104 kW	139 hp
8F	186 kW	249 hp	88 kW	118 hp	188 kW	252 hp	63 kW	85 hp	201 kW	270 hp	84 kW	113 hp
Max Torque	1158 N•m 854 lb-ft				1247 N•m 920 lb-ft				1247 N•m 920 lb-ft			
Rated Speed	2,000 rpm				2,000 rpm				2,000 rpm			
Peak Torque	1,400 rpm				1,000 rpm				1,000 rpm			

Non-AWD												
140 (16A) LVR / JOY				140 (15B) JOY				140 (13A) LVR				
Power Type	ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*		ISO 9249 Net		Power to Ground*	
Finish Gear	98 kW	131 hp	67 kW	90 hp	-				-			
1F	131 kW	176 hp	94 kW	126 hp	141 kW	189 hp	96 kW	129 hp	141 kW	189 hp	92 kW	123 hp
2F	154 kW	207 hp	102 kW	137 hp	149 kW	200 hp	103 kW	138 hp	149 kW	200 hp	99 kW	133 hp
3F	148 kW	198 hp	106 kW	142 hp	156 kW	209 hp	107 kW	143 hp	156 kW	209 hp	103 kW	138 hp
4F	152 kW	204 hp	105 kW	141 hp	160 kW	215 hp	106 kW	142 hp	160 kW	215 hp	101 kW	135 hp
5F	157 kW	211 hp	105 kW	141 hp	164 kW	220 hp	104 kW	139 hp	168 kW	225 hp	103 kW	138 hp
6F	164 kW	220 hp	104 kW	139 hp	168 kW	225 hp	100 kW	134 hp	172 kW	231 hp	99 kW	133 hp
7F	179 kW	240 hp	105 kW	141 hp	172 kW	231 hp	90 kW	121 hp	188 kW	252 hp	99 kW	133 hp
8F	186 kW	249 hp	88 kW	118 hp	172 kW	231 hp	61 kW	82 hp	188 kW	252 hp	65 kW	87 hp
Max Torque	1158 N•m 854 lb-ft				1247 N•m 920 lb-ft				1247 N•m 920 lb-ft			
Rated Speed	2,000 rpm				2,000 rpm				2,000 rpm			
Peak Torque	1,400 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%



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

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AEXQ4682-01 (02-2026)
Build Number: 16A
(Global)

