
























Mining

Series 4000 C05 Features and Benefits







EPA Tier 4 final



Power. Passion. Partnership.

Technical Feature	Customer Benefit	Benefit Icon
Tier 4 emissions compliance without exhaust after treatment (No SCR, DEF, DOC, or DPF)	Less engine external components and reduced maintenance expense. No downtime and productivity loss related to DEF quality or freezing.	   
2-stage regulated turbocharging with intercooler	Excellent transient response, more low-end torque for better acceleration and less shifting, full power from the icy mines of Siberia to extreme heat in Australia and altitudes up to 4,500 meters.	
Combination of proven MTU core engine technologies: 2-stage turbocharging, common rail fuel injection, electronic controls, EGR, combustion design	Reduce fuel consumption to Tier 1 range while achieving higher power output, engine performance and cleaner emissions.	    
Thermal protection of turbochargers and exhaust manifolds	More effective permanent safety design to reduce fire hazard.	 
Double walled fuel lines	Increased safety for personnel, equipment, and environment due to reduced risk of high pressure leaks, fuel spills and fire.	  
Rugged, reliable and proven engine design	Long term Tier 4 development based on Series 4000 Tier 2 engine platform launched in 2006. Proven with more than 30000 Series 4000 engines worldwide.	 
Proven common rail fuel injection	Low fuel consumption and noise. No smoke during acceleration to rated power.	   
Application-specific power ratings to meet particular customer needs	Engine performance optimized for specific applications: trucks, excavators, loaders and blast hole drills.	 

Icon Explanation

	Safer Equipment
	Lower total costs of ownership
	Higher productivity and lower costs per ton
	Lower fuel consumption
	Better durability and availability
	More environmentally friendly (less noise/exhaust emissions or preserve resources)

Series		4000 with EGR technology		
Engine model		4000 C05		
		12V	16V	20V
Power Output	kW	1150 – 1864	2000 – 2400	2800 – 3000
	(bhp)	(1542 – 2500)	(2682 – 3218)	(3755 – 4023)
Peak Torque	Nm	7350 – 10410	10580 – 13405	15365 – 16755
Speed	rpm	1800/1900	1800/1900	1800
Emissions qualification		EPA 40 CFR 1039 Tier 4 final		