

Mining

























SERIES 4000 C05 FEATURES AND BENEFITS

EPA Tier 4 final









A Rolls-Royce
solution

Features and benefits

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.	   
No DEF necessary	No need to purchase, stock, handle or manage DEF fluid saving money and personnel.	 
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.	
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	Permanent safety protection design to reduce fire hazard.	 
Double walled fuel lines	Reduced risk of high pressure leaks, fuel spills and fires provides increased safety for personnel, equipment and environment.	  
Rugged, reliable and proven engine design	Long term Tier 4 development based on Series 4000 Tier 2 engine platform launched in 2006.	 
Proven common rail fuel injection	Low fuel consumption and noise. Reduced 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
-  Increased 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	1800
Emissions qualification		EPA 40 CFR 1039 Tier 4 final		

*upon request