

Mining

SERIES 4000 C03







FEATURES AND BENEFITS

EPA Tier 2 compliant or
fuel consumption optimized






A Rolls-Royce
solution

Features and benefits

Technical Feature	Customer Benefit	Benefit Icon
Power rating matched to application and load	Lower fuel consumption	
Safe high pressure common rail fuel injection	Protected placement of high pressure fuel injection lines – not “hand hold”. Lower fuel consumption and noise.	
Industry leader in power density (power-to-weight ratio)	Reliable power, higher availability, increased productivity	
Higher displacement	Longer TBO	
two single-stage turbochargers/ one intercooler	Less components to maintain, less risk of failure. Higher availability and lower risk of dust penetration into the engine.	
Less exhaust bellows for turbochargers	Higher availability, higher uptime	
Altitude capability of up to 4400 meters without power deration	Reliable power and productivity at high altitude due to less turbochargers	
Thermal protection of turbochargers and exhaust manifolds	Does not absorb fluids – more effective permanent safety design to reduce fire hazard	

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		
Engine model		4000 C03		
		12V	16V	20V
Power output	kW	1193 – 1680	1492 – 2240	2375 – 3000
	(bhp)	(1600 – 2250)	(2000 – 3000)	(3185 – 4023)
Peak torque	Nm	7595 – 9435	9520 – 12565	15120 – 16850
Speed	rpm	1800/1900	1800/1900	1800
Emissions qualification		EPA 40 CFR 89 Tier 2 compliant or fuel consumption optimized		