

# FOR MINING APPLICATIONS.



Tough mining applications demand continuous uptime. Whether it's a front-end loader, excavator or 360-ton haul truck, the best engine for the job is a QSK60. Its V16 configuration offers up to 2850 hp (2125 kW), to easily handle high load factors. A projected life-to-overhaul of 1,000,000 gallons (3,785,414 liters) of fuel burned in large haul trucks says everything you need to know about durability and dependability. A sophisticated electronic control system and extended maintenance features help keep fuel economy up and operating costs down. So whether you are spec'ing new equipment or repowering an existing unit, the QSK60 is the best way to improve performance, productivity and profits.

Full-authority electronic controls provide complete engine control and monitoring that automatically adjust for peak performance and fuel efficiency with full diagnostic capability. Programmable parameters let you customize engine performance to match equipment application, resulting in lower cost-per-ton performance. And Quantum System technology includes Advanced Engine Monitoring, a standard feature on all mining engines, that lets you monitor equipment performance on the job in real time, cylinder by cylinder.

Cummins Modular Common Rail fuel system improves power delivery and cold-start capability, while lowering noise and vibration. Full-authority electronic control of injection timing enables a new level of combustion efficiency, reducing NOx emissions by 40% and particulate matter by 60% to meet Tier 2 standards. A higher degree of combustion control combined with fuel injection precision also allows these engines to handle increasing load demands more rapidly.

A continuous source of high-pressure fuel regardless of engine speed allows this advanced fuel system to perform multiple injection events during each power stroke, reducing noise by 80% at idle and delivering smoother, more consistent power at every rpm.



## Ratings

ENGINE MODEL	ADVERTISED HP (KW) @ RPM	ASPIRATION
QSK60 2850	2850 (2125) @ 1900	TWO-STAGE INTERCOOLED
QSK60 2700	2700 (2013) @ 1900	TWO-STAGE INTERCOOLED
QSK60 2500	2500 (1864) @ 1900	TWO-STAGE INTERCOOLED
QSK60 2350	2350 (1752) @ 1900	TWO-STAGE INTERCOOLED
QSK60 2250	2250 (1678) @ 1800	TWO-STAGE INTERCOOLED
QSK60 2700	2700 (2013) @ 1900	SINGLE-STAGE
QSK60 2500	2500 (1864) @ 1900	SINGLE-STAGE
QSK60 2400	2400 (1790) @ 1900	SINGLE-STAGE
QSK60 2300	2300 (1715) @ 1900	SINGLE-STAGE
QSK60 2000*	2000 (1491) @ 1800	SINGLE-STAGE
QSK60 1944*	1944 (1450) @ 1800	SINGLE-STAGE
QSK60 1875*	1875 (1398) @ 1800	SINGLE-STAGE
QSK60 1782	1782 (1329) @ 1900	SINGLE-STAGE

\*Continuous rating.  
All ratings are intermittent unless otherwise noted.  
Additional ratings may be available. Check with your Cummins distributor or dealer.

## Specifications

ENGINE TYPE	VEE, 4-CYCLE, 16-CYLINDER	
DISPLACEMENT	3,661 CU IN	60.0 LITERS
ADVERTISED HORSEPOWER	1782-2850 HP	1329-2125 KW
PEAK TORQUE	8274 LB-FT @ 1500 RPM	11218 N·M
BORE AND STROKE	6.28 IN X 7.48 IN	159 MM X 190 MM
OIL SYSTEM CAPACITY	275 U.S. QT	261 LITERS
COOLANT CAPACITY	180 U.S. QT	170 LITERS
ASPIRATION	SINGLE-STAGE TURBO AFTERCOOLED	TWO-STAGE TURBO AFTERCOOLED/ INTERCOOLED
LENGTH	115.4 IN/2930 MM	
WIDTH	62.3 IN/1582 MM	
HEIGHT	77.4 IN/1965 MM	91.1 IN/2314 MM
WET WEIGHT	18,893 LB/8,570 KG	21,207 LB/9,619 KG

Cummins is a pioneer in product improvement. Thus specifications may change without notice. Illustrations may include optional equipment.