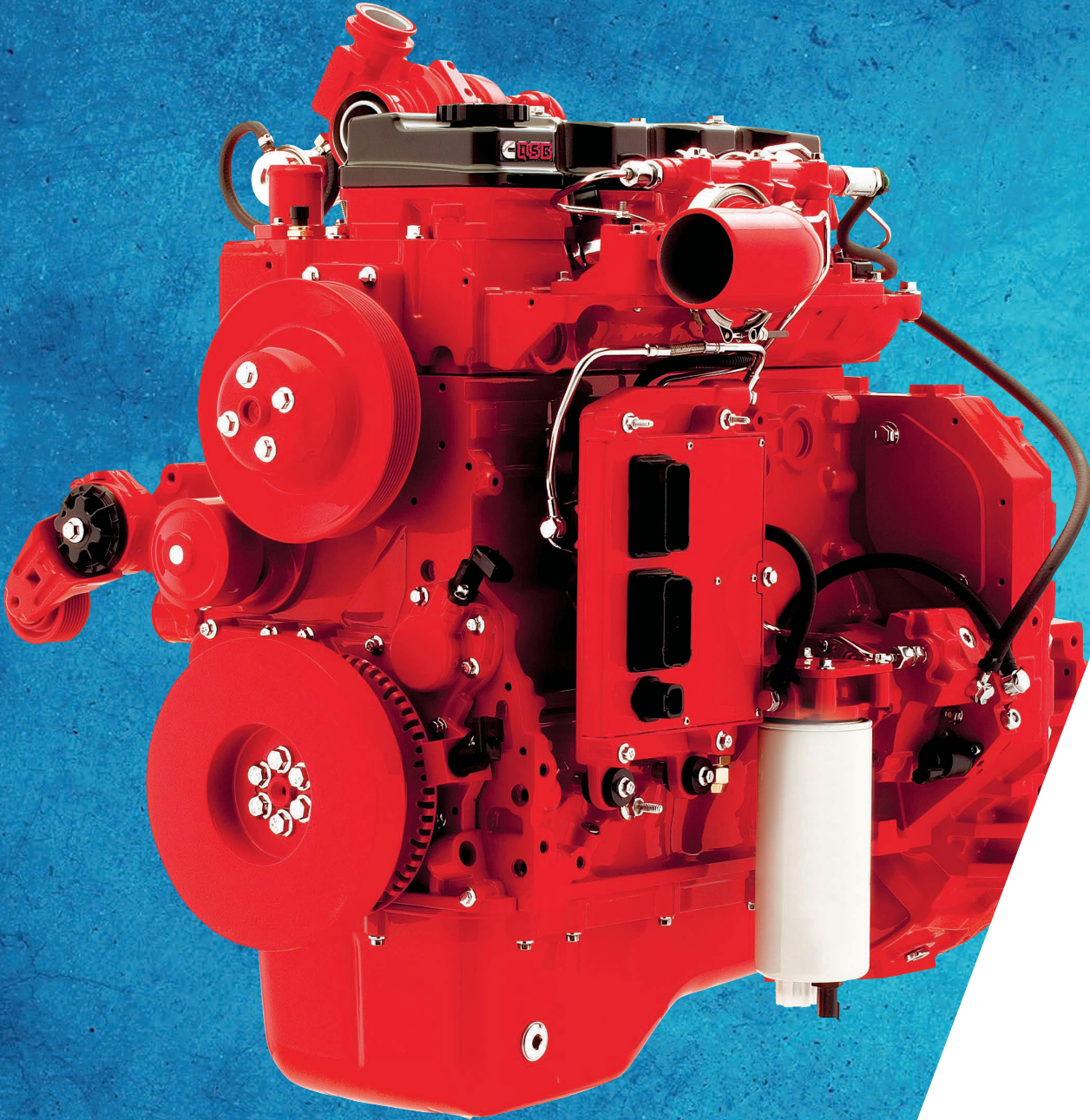


QUANTUM SERIES

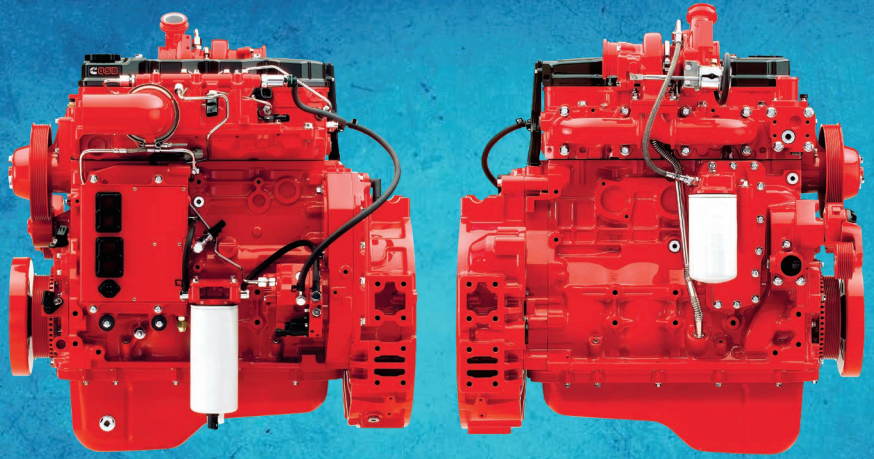
QSB4.5 TIER 3



**FOR
A WORLD
THAT'S
ALWAYS ON™**

DELIVERING MORE FOR LESS

The Tier 3/Stage IIIA QSB4.5 engine is one of the Quantum Series of engines from Cummins with innovative technology that delivers more for less.



The Cummins QSB4.5 provides high power and torque in a compact package. It uses in-cylinder technology for a simple installation that provides premium performance to every application.

Sharing the proven technology of the larger QSB6.7 engine, it enables compact equipment to work harder, smarter, quieter and longer. Using charge air cooling and turbocharging it provides strong performance up to 170 hp (127 kW) with quiet operation.

The engine combines proven full-authority electronic controls with the impressive reliability and durability and long maintenance intervals you expect from one of the world's most successful and durable designs.

Designed to provide the operator superior value and reliability, while meeting stringent worldwide emissions standards.

- Meets Tier 3/Stage IIA emissions levels using in-cylinder combustion technology without the need for external components
- Compatible with high-sulfur fuels for worldwide use
- Uses proven major components for a long life to overhaul
- The simplicity of design delivers excellent reliability and ease of servicing
- Efficient fuel systems deliver low levels of fuel consumption

For equipment manufacturers, the QSB4.5 is designed to fit your machine. Cummins' Engineers will help define your specification for the best and most cost effective installation. The electronic calibration will then be tailored to the exact duty cycle and operation of the machine. This expertise drives the best solution for the OEM and the end user.

FEATURES AND BENEFITS

HIGH-PRESSURE COMMON-RAIL FUEL SYSTEM – Delivers high injection pressure (1600 bar) for improved performance and fuel efficiency at every rpm.

IN-CYLINDER COMBUSTION TECHNOLOGY – Meets emissions standards without external components; is compatible with high-sulfur fuels for worldwide use.

REAR GEAR TRAIN – Significantly lowers noise output to meet worldwide noise emission standards.

WASTEGATE TURBOCHARGER – Designed by Cummins Turbo Technology. Wastegated for better low-speed performance and high-speed boost.

TWO-STAGE DUAL FUEL FILTER – Provides a balanced level of particulate separation to maximize fuel filter life and protect vital fuel system components.

PARENT BORE CYLINDER BLOCK – Designed for reduced noise and increased durability.

DIRECTED PISTON COOLING – Lower piston temperatures lead to longer life.

WIDER CAMSHAFT LOBES AND LARGER TAPPET WEAR SURFACE – Enhance durability and reliability.

SPECIFICATIONS

Engine type	In-line, 4-cylinder
Displacement	275 CU inches, 4.5 liters
Bore and stroke	4.02 x 5.39 inches, 102 x 137mm
Aspiration	Turbocharged / charge air cooled
Oil system capacity	11.6 U.S. QT, 11 liters

DIMENSIONS*

Length	32.2 inches	818mm
Width	28.1 inches	713mm
Height	34.5 inches	878mm
Wet weight	818 lb	371 kg

*Dependent on customer specific options.

MAINTENANCE INTERVALS

Engine oil	Up to 500 hours
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RATINGS

Power kW / HP	Peak Torque – N•m / lb-ft @ rpm
170 / 127	459 / 622 @ 1500
160 / 119	460 / 624 @ 1500
155 / 116	460 / 622 @ 1500
152 / 113	405 / 537 @ 1500
148 / 110	441 / 598 @ 1500
140 / 104	432 / 586 @ 1500
139 / 104	371 / 503 @ 1800
132 / 98	368 / 499 @ 1500
130 / 97	459 / 622 @ 1500
128 / 95	403 / 546 @ 1400
121 / 90	347 / 470 @ 1500
110 / 82	360 / 488 @ 1300

Additional ratings may be available; contact your distributor for more information.

ANY CUSTOMER, ANY QUESTION, ANY CHANNEL, **ANY TIME.**

Cummins Care is not a typical call center. We are a solutions center helping to prevent issues, provide answers quickly and reimburse accurately. We are your connection to a whole new level of customer service, to support and deliver faster personal attention with rapid results. From the moment you engage Cummins Care, you will have access to a Cummins expert with specialized skill sets, experience and in-depth knowledge to take care of your needs.

- CUSTOMER SERVICE**
- WARRANTY ASSISTANCE**
- TECHNICAL SUPPORT**
- CONNECTED SERVICE**

We are experts with advanced technology to make your life easier while providing a seamless support experience.

Contact us at care.cummins.com or:

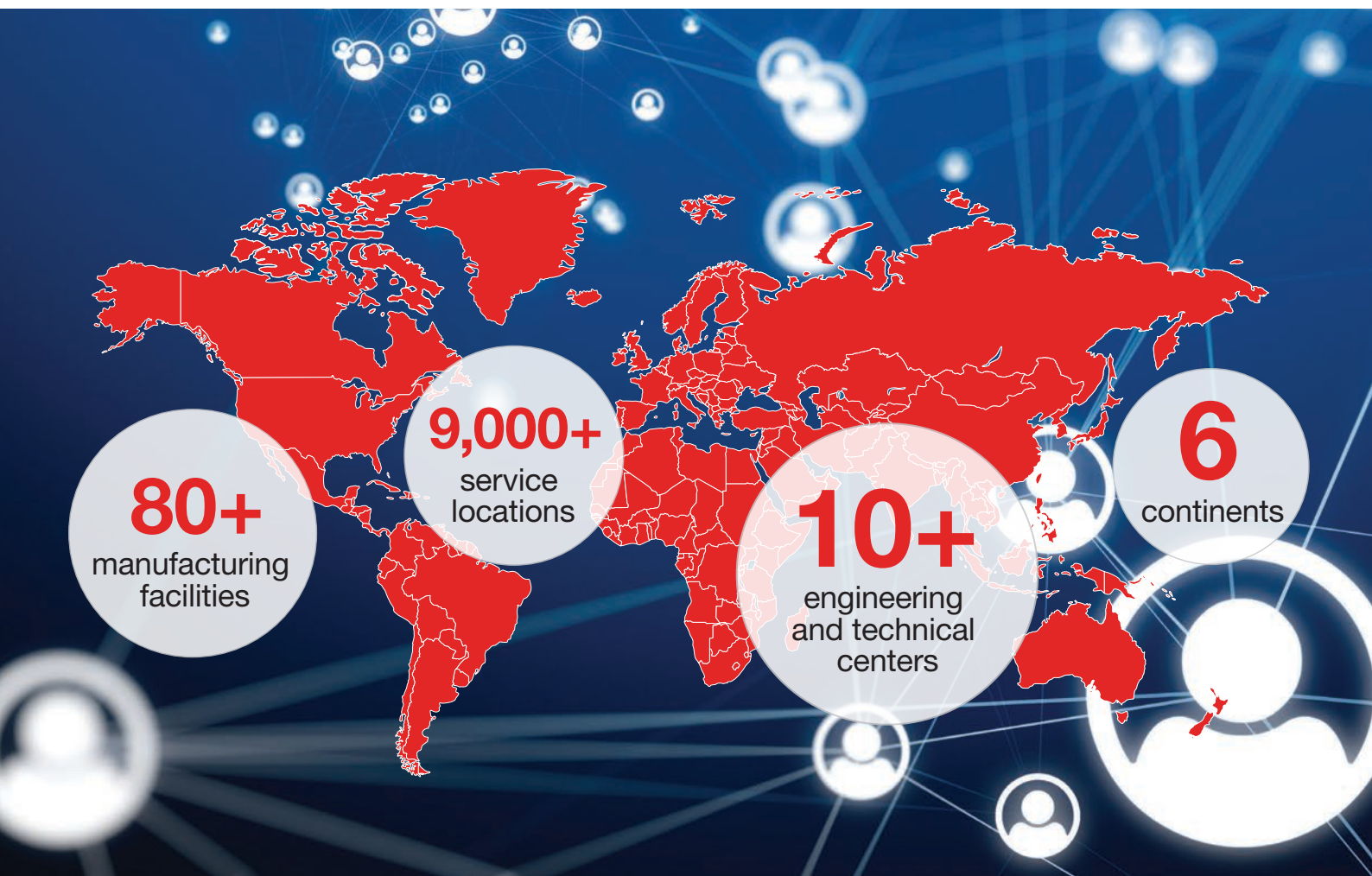
Europe – 00 8000 286 6467

North America – 1-800-CUMMINS (1-800-286-6467)



GLOBAL SUPPORT NETWORK

CUMMINS' GLOBAL FOOTPRINT OF ENGINEERING, MANUFACTURING, AND SERVICE LOCATIONS MEANS WE ARE WHERE OUR CUSTOMERS NEED US TO BE.



TO FIND OUT MORE, CONTACT YOUR LOCAL DEALER OR DISTRIBUTOR VIA [CUMMINS.COM/LOCATOR](https://www.cummins.com/locator)



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