

# QSK60 EPA TIER 4/IMO III

## MARINE PROPULSION AND AUXILIARY ENGINES

### COMMERCIAL AND RECREATIONAL APPLICATIONS

#### GENERAL SPECIFICATIONS

|                          |                                  |
|--------------------------|----------------------------------|
| <b>Configuration</b>     | V-16 cylinder, 4-stroke diesel   |
| <b>Aspiration</b>        | Turbocharged / Aftercooled       |
| <b>Displacement</b>      | 60.2 [3672 in <sup>3</sup> ]     |
| <b>Bore &amp; Stroke</b> | 159 x 190 mm [6.25 x 7.48 in]    |
| <b>Rotation</b>          | Counterclockwise facing flywheel |
| <b>Fuel System</b>       | Modular Common Rail (MCRS)       |

#### PRODUCT DIMENSIONS AND WEIGHT

|   |         |                  |
|---|---------|------------------|
| <b>Overall Length</b>   | mm (in) | 3353 (132)       |
| <b>Length of Block</b>  | mm (in) | 2050.9 (80.75)   |
| <b>Overall Width</b>  | mm (in) | 1781 (70.12)     |
| <b>Overall Height</b>   | mm (in) | 2171 (85.47)     |
| <b>Weight</b>   | kg (lb) | 8754 (19299)     |
| <b>Aftertreatment Weight</b>                                  | kg (lb) | 1400 (3086.47)   |
| <b>Total Package Weight<br/>(Engine &amp; Aftertreatment)</b> | kg (lb) | 10154 (22385.74) |



# POWER RATINGS

| Engine Model                                       | Output Power |      | Engine Speed RPM | Rating Definition | Fuel Consumption |                | Rated DEF % |
|--|--------------|------|------------------|-------------------|------------------|----------------|-------------|
|  | kW           | BHP  |                  |                   | Fuel Burn (GPH)  | BSFC (g/kW-hr) |             |
| <b>Variable Speed (Propulsion)</b>                 |              |      |                  |                   |                  |                |             |
| QSK60-M  | 1491         | 2000 | 1600             | Continuous        | 92.3             | 197            | 6.6         |
| QSK60-M  | 1641         | 2200 | 1800             | Continuous        | 104.7            | 203            | 5.3         |
| QSK60-M  | 1864         | 2500 | 1900             | Heavy Duty        | 123.8            | 211            | 4.5         |
| QSK60-M  | 2013         | 2700 | 1800             | MCD               | 130.7            | 206            | 5.2         |
| <b>Fixed Speed (Auxiliary and Diesel Electric)</b> |              |      |                  |                   |                  |                |             |
| QSK60-DM   | 2000         | 2683 | 1800             | Prime – 60 Hz     | 140.9            | 201.2          | 5.5         |

\*Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Cycle (fixed speed models).

## FEATURES AND BENEFITS

**Engine Design** – Robust engine block designed for continuous duty operation and long life. Metric o-ring seals and edge molded gaskets eliminate fluid leaks. Ductile single-piece iron piston design with hardened liners and nitride coated rings for exceptional durability. No matter the vessel, Cummins will keep you always on.

**Fuel System** – Modular Common Rail Fuel System provides constant high injection pressure regardless of engine speed or load condition. Benefits include low noise and vibration for quiet operation, idle stability and improved low-end torque.

**Cooling System** – Low temperature aftercooling. Engine-mounted titanium plate heat exchanger provides superior durability with minimal maintenance requirements.

**Exhaust System** – Dry exhaust manifold with water shielding for reduced fuel consumption and improved performance.

**Air System** – Cummins turbochargers optimized for marine applications. Two pump, two loop, low temperature aftercooling for efficient operation and optimization of performance.

**Lubrication System** – Standard capacity (261 L [69 gal]) or high capacity (378 L [100 gal]) marine grade oil pan. Pre-lube starter protects engine from damage due to dry starts.

**Electronics** – 24v Quantum System electronics feature a proven ECM to monitor operating parameters, while providing diagnostics, prognostics and complete engine protection. Simplified electrical customer interface box for all vessel connections to reduce installation complexity.

**Certifications** – Complies with IMO Tier III emissions regulations. Designed to meet the International Association of Classification Societies (IACS) and SOLAS requirements.

Consult your local Cummins professional for a complete listing of available class approvals.

**Aftertreatment System** – Life To Overhaul (LTO) aligned with Engine LTO, Lower DEF Consumption (operates with 32.5% or 40% DEF), Higher Sulfur Tolerance, and keeping idle up to speed.

## OPTIONAL EQUIPMENT

- Front power take-off adapter
- Touch screen color remote control panel
- Digital display
- C Command panels
- ELIMINATOR™ oil filtration system
- SAE B accessory drive
- Fully integrated type approved alarm and safety system
- Pre-lube with QuickEvac



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