

# QSK95

## 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>      | 95.3 L [5813 in <sup>3</sup> ]    |
| <b>Bore &amp; Stroke</b> | 190 x 210 mm [7.48 x 8.27 in]     |
| <b>Rotation</b>          | Counterclockwise facing Flywheel  |
| <b>Fuel System</b>       | Modular Common Rail System (MCRS) |

#### PRODUCT DIMENSIONS AND WEIGHT

|                        |         |                 |
|------------------------|---------|-----------------|
| <b>Overall Length</b>  | mm (in) | 3654 (144)      |
| <b>Length of Block</b> | mm (in) | 2598 (102)      |
| <b>Overall Width</b>   | mm (in) | 1732 (68.2)     |
| <b>Overall Height</b>  | mm (in) | 2362 (93)       |
| <b>Weight</b>          | kg (lb) | 12,916 (28,475) |



# POWER RATINGS

| Engine Model          | Output Power |      | Engine Speed RPM | Rating Definition | Fuel Consumption          |                    |       |       | Emissions |   |   |
|-----------------------|--------------|------|------------------|-------------------|---------------------------|--------------------|-------|-------|-----------|---|---|
|                       | kW           | BHP  |                  |                   | Rated Speed L/hr (gal/hr) | ISO* L/hr (gal/hr) | IMO   | EPA   | EU        |   |   |
| <b>Variable Speed</b> |              |      |                  |                   |                           |                    |       |       |           |   |   |
| QSK95-M               | 2386**       | 3200 | 1500             | Continuous        | 548.7                     | 145.0              | 392.0 | 103.6 | 2         | — | — |
| QSK95-M               | 2685**       | 3600 | 1700***          | Heavy Duty        | 629.6                     | 166.3              | 449.6 | 118.8 | 2         | — | — |
| QSK95-M               | 2983**       | 4000 | 1700***          | Med. Continuous   | 699.8                     | 184.9              | 489.1 | 129.2 | 2         | — | — |
| QSK95-M               | 3132**       | 4200 | 1700***          | Intermittent      | 745.2                     | 196.9              | 512.3 | 135.3 | 2         | — | — |
| <b>Fixed Speed</b>    |              |      |                  |                   |                           |                    |       |       |           |   |   |
| QSK95-DM              | 2625**       | 3520 | 1500             | Prime             | 599.8                     | 158.4              | 302.7 | 80.0  | 2         | — | — |
| QSK95-DM              | 3150**       | 4224 | 1800             | Prime             | 765.8                     | 202.3              | 380.4 | 100.5 | 2         | — | — |

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

\*\*Contact your local Cummins distributor to discuss product details and availability.

\*\*\*Rating offers constant power between rated RPM +100 RPM.

## FEATURES AND BENEFITS

**Engine Design** – Robust engine block designed for continuous duty operation and long life. Press-in place seals eliminate fluid leaks. Single-piece friction-welded steel piston and rings for exceptional durability. Cummins-designed anti-polish ring improves power cylinder life by minimizing liner wear.

**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** – Two pump, two loop cooling system utilizes a dual impeller, single shaft pump with premium sealing technology. Titanium plate heat exchanger provides superior durability with minimal maintenance requirements.

**Exhaust System** – Dry shielded exhaust manifold meets SOLAS requirements, while reducing fuel consumption and improving performance.

**Air System** – Cummins turbochargers optimized for marine applications. Two-stage aftercooling for improved fuel efficiency, reduced emissions and enhanced durability.

**Lubrication System** – Spin-on filters standard or optional ELIMINATOR™ self-cleaning oil filtration system to reduce maintenance time and cost. Pre-lube pump protects engine from damage due to dry starts.

**Electronics** – 24v electronics feature new lead-free Cummins ECM to monitor operating parameters, while providing diagnostics and complete engine protection. Customer interface box for all vessel connections to reduce installation complexity.

**Certifications** – Complies with IMO Tier II emissions regulations. Engineered 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.

## OPTIONAL EQUIPMENT

- SAE B accessory drive
- Turbine air starters
- C Command Elite Plus monitoring and display panels
- Fully integrated type approved alarm and safety system



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