QSM11

MARINE PROPULSION AND AUXILIARY ENGINES

COMMERCIAL AND GOVERNMENT APPLICATIONS

GENERAL SPECIFICATIONS

Configuration In-line, 6-cylinder, 4-stroke diesel

Aspiration Turbocharged / Aftercooled

Displacement 10.8 L [661 in³]

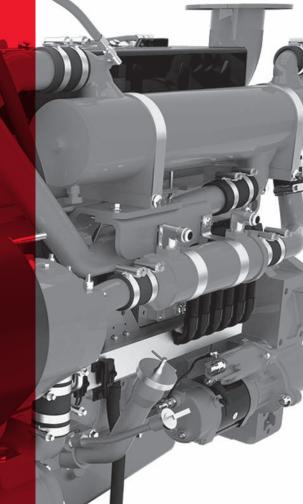
Bore & Stroke 125 x 147 mm [4.92 x 5.79 in]

Rotation Counterclockwise facing flywheel

Fuel System Cummins CELECT

PRODUCT DIMENSIONS AND WEIGHT

| Overall Length | mm (in) | 1475 (58) | | | |
|-----------------|---------|---------------|--|--|--|
| Length of Block | mm (in) | 945.9 (37.24) | | | |
| Overall Width | mm (in) | 1081 (43) | | | |
| Overall Height | mm (in) | 1039 (41) | | | |
| Weight | kg (lb) | 1118 (2464) | | | |





POWER RATINGS

| Engine Model | Output Power | Engine | Dating | Fuel Consumption | | | Emissions | | | | |
|-----------------|--------------|--------|--------------|----------------------|-------|------------------|-----------|---------------|-----|-----|----|
| | kW | МНР | Speed RPM | Rating Definition | | Speed gal/hr) | | O* gal/hr) | ІМО | EPA | EU |
| Variable Spee | d | | | | | | | | | | |
| QSM11** | 220 | 300 | 1800 | Continuous | 55.2 | 14.6 | 39.4 | 10.4 | 2 | _ | _ |
| QSM11** | 260 | 355 | 1800 | Continuous | 67.6 | 17.9 | 46.1 | 12.2 | 2 | 3 | _ |
| QSM11** | 298 | 405 | 2100 | Heavy Duty | 75.2 | 19.9 | 52.5 | 13.9 | 2 | _ | _ |
| QSM11** | 298 | 405 | 2100 | Heavy Duty | 80.6 | 21.3 | 54.3 | 14.4 | 2 | 3 | _ |
| QSM11** | 336 | 455 | 2100 | Med. Continuous | 87.6 | 23.1 | 59.3 | 15.7 | 2 | _ | _ |
| QSM11** | 334 | 455 | 2100 | Med. Continuous | 92.5 | 24.4 | 60.9 | 16.1 | 2 | 3 | _ |
| QSM11** | 449 | 610 | 2300 | Intermittent | 112.5 | 29.7 | 75.8 | 20.0 | 2 | 3 | _ |
| QSM11 | 493 | 670 | 2300 | Light Duty | 128.1 | 33.9 | 83.9 | 22.2 | 2 | 3 | _ |
| QSM11 | 526 | 715 | 2500 | Light Duty | 139.2 | 36.8 | 92.6 | 24.5 | 2 | 3 | _ |
| Fixed Speed | | | | | | | | | | | |
| QSM11-DM | 265 | 355 | 1500 | Prime | 65.0 | 17.2 | 32.1 | 8.5 | 2 | _ | _ |
| QSM11-DM | 265 | 355 | 1800 | Prime | 65.4 | 17.3 | 33.7 | 8.9 | 2 | _ | _ |
| QSM11-DM | 265 | 355 | 1800 | Prime | 68.2 | 18.0 | 35.3 | 9.3 | 2 | 3 | _ |
| QSM11-DM | 317 | 425 | 1800 | Prime | 78.6 | 20.8 | 39.2 | 10.4 | 2 | _ | _ |
| QSM11-DM | 317 | 425 | 1800 | Prime | 82.9 | 21.9 | 41.6 | 11.0 | 2 | 3 | _ |

^{*}Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Cycle (fixed speed models).
**Heat exchanged configuration.

FEATURES AND BENEFITS

Engine Design – Robust engine block designed for continuous duty operation and long life. Single cylinder head with four valves per cylinder enhances performance. Meets SOLAS requirements for surface temperatures.

Fuel System – Cummins CELECT, a full authority electronic unit injection fuel system optimizes combustion for increased engine performance and fuel efficient operation.

Cooling System – Low profile, heat exchanger configuration with standard closed crankcase ventilation system.

Exhaust System - SOLAS compliant, wet exhaust manifold maximizes fuel economy and improves performance.

Air System - Cummins Turbo Technologies turbocharger optimized for marine applications. Marine grade air filter. Large capacity sea water aftercooler.

Lubrication System – Cast aluminum oil pan designed to resist corrosion, spin-on Fleetguard oil filters.

Electronics – Quantum System electronics control engine performance by monitoring critical operating parameters. Benefits include complete engine protection, minimal smoke and optimized fuel consumption.

Certifications – Marine Classification Society approvals from IACS members and SOLAS compliant configurations available.

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

OPTIONAL EQUIPMENT

- Engine Controls
- Instrumentation
- Vessel System Integration
- Accessory Drive Pulley
- Hydraulic Pump Drive

