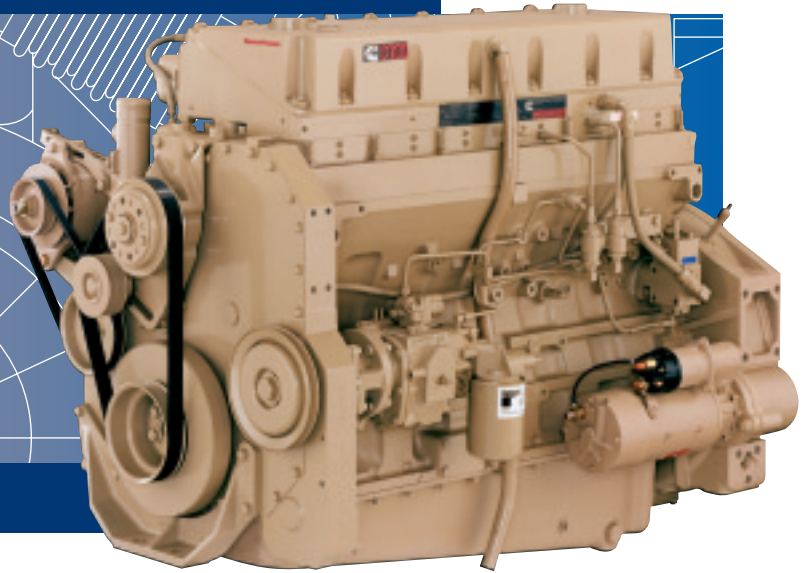


QSM11-G2



S P E C I F I C A T I O N S



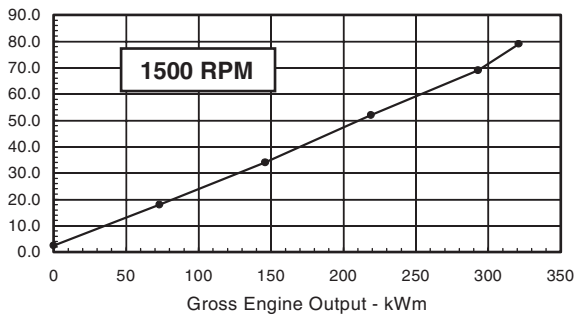
QSM11-G2

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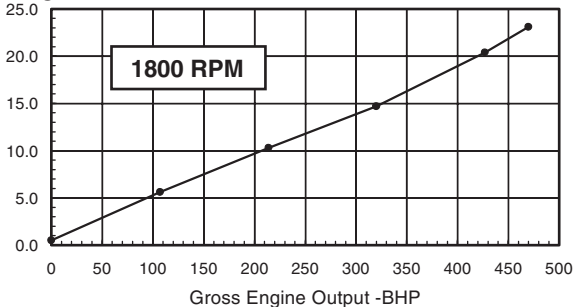
Curve: FR-2940

Fuel Consumption

Litres / hour



US gallons / hour



PERFORMANCE:

Standard Conditions:

Data Shown Above Are Based On:

- Engine operating with fuel system, water pump, lubricating oil pump, air cleaner and exhaust silencer; not included are battery charging alternator, fan and optional driven components.
- Engine operating with diesel fuel corresponding to grade No. 2D per ASTM D2.
- ISO-3046, Part1, Standard Reference Conditions of: 100 kPa [29.53 in. Hg.] barometric pressure (110 m [361 ft.] altitude), 25° C [77° F] air temperature and a relative humidity of 30%

NOTES:

- Cummins Engine Company recommends that Cummins engines be operated at a minimum load of 30% of their respective Standby Power rating.

SPECIFICATIONS

4-Stroke Cycle, Turbocharged-Aftercooled,
In-line 6-Cylinder Diesel Engine.

1500 RPM Engine Output

Standby Power Rating	321 kWm*	[430 BHP]
Prime Power Rating	292 kWm*	[391 BHP]
Continuous Power Rating	248 kWm*	[332 BHP]

1800 RPM Engine Output

Standby Power Rating	351 kWm*	[470 BHP]
Prime Power Rating	319 kWm*	[427 BHP]
Continuous Power Rating	271 kWm*	[363 BHP]

* Refers to gross power available from engine, not generator set.

General Engine Data:

Bore and Stroke	125x147 mm	[4.92x5.79 in.]
Displacement	10.8 L	[661 cu.in.]
*Lube System Oil Cap	34 L	[9.0 qt.]
Coolant Capacity - Engine	9.5 L	[2.5 U.S. gal.]
Net Weight with Standard Accessories, Dry	973 kg	[2145 lb.]

Approx. Overall Dimensions:

Width	877 mm	[34.54 in.]
Length	1428 mm	[56.23 in.]
Height	1149 mm	[45.27 in.]

** Including Combo Filter.

RATING GUIDELINES:

Based on ISO8528 and defined in Cummins Power Rating Application Guidelines. Ref: AEB 26.02.

OPERATION at ELEVATED TEMPERATURE and ALTITUDE:

The engine may be operated at:

- 1500 RPM up to:
1000 m [3280 ft.] and 50 °C [122 °F] without power deration.
- 1800 RPM up to:
1000 m [3280 ft.] and 50 °C [122 °F] without power deration.

For sustained operation above these conditions derate by:
4% per 300 m [1000 ft] and 2% per 11 °C [1% per 10 °F].

QSM11-G2



S P E C I F I C A T I O N S

Design Features:

Engine Protection

Automatic engine protection means you can rely on the engine to look after itself, with all critical parameters and sub-systems self-monitored. The ECM stores trend and event data which can be quickly downloaded using InSite™ or InSite Lite™ service tool software, providing rapid diagnostic data to pin-point faults instantly.

Turbocharger

New HX55 wastegated Holset turbocharger for improved transient response and increased reliability.

Fuel Control

High pressure CELECT™ “dual pulse” fuel injection for improved performance and smoke control, and lower emissions. New-generation CM570 electronic control module (ECM) with high-capacity expanded memory, sealed for improved reliability.

Cooling

Charge air cooling lowers manifold temperatures for improved performance and lower emissions.

Pistons and Cams

New steel piston bowl swirl system enhances combustion efficiency, reducing sooting and smoke.

Filters

Latest technology Fleetguard Stratpore™ lube oil filter and 10-micron fuel/water separator for exceptional protection and extended service intervals.

Emissions Certification:

The QSM11 G-Drive Engine offers Tier 2 emissions-certified performance for the same stroke and displacement as the M11.

EPA/CARB: Complies with Nonroad 2, Tier 2 regulation per 40CFR89 at all ratings.

TALuft: Complies with 4 gram NOx standard at 50 Hz Prime Power ratings.

See Exhaust Emissions Data Sheets for further details.

Optional Equipment:

Please contact your local Cummins representative for additional information regarding engine options.

Cummins has always been a pioneer in product improvement. Thus, specifications may change without notice. Illustrations may include optional equipment.

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