

	<b>CUMMINS ENGINE COMPANY, INC</b> Columbus, Indiana 47201	Basic Engine Model: <b>QST30-G5</b>	Curve Number: FR-5191 2P / 2L FR5193 ATA	<i>G-DRIVE</i> <b>Q30</b> <b>1</b>
	<b>EXHAUST EMISSIONS DATA SHEET</b>	Engine Critical Parts List: <b>CPL: 2879 (2 Pump / 2 Loop)</b> <b>CPL: 2880 (Air-to-Air)</b>	Date: <b>23Dec99</b>	
Displacement : <b>30.48 litre (1860 in<sup>3</sup>)</b>		Bore : <b>140 mm (5.51 in)</b> Stroke : <b>165 mm (6.50 in)</b>		
No. of Cylinders : <b>12</b>		Aspiration : <b>Turbocharged and Low Temperature Aftercooled</b>		

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Engine Speed RPM	Standby Power		Prime Power		Continuous Power	
	kWm	BHP	kWm	BHP	kWm	BHP
<b>1800</b>	<b>1112</b>	<b>1490</b>	<b>1007</b>	<b>1350</b>	<b>832</b>	<b>1115</b>

### US EPA/CARB

This engine, tested in accordance with ISO 8178 D2, is in compliance with the Tier 1 Mobile Off-Highway standard.

Component	g/BHP-hr	g/kW-hr
<b>NO<sub>x</sub> (Oxides of Nitrogen)</b>	6.9	9.2
<b>HC (Hydrocarbons)</b>	1.0	1.3
<b>CO (Carbon Monoxide)</b>	8.5	11.4
<b>PM (Particulate Matter)</b>	0.40	0.54

**CONVERSIONS:** (g/kWm·h = g/BHP·h x 1.34)

**Reference Standard:** ISO-8178

Data was recorded during steady state rated engine speed (± 25 RPM) with full load (± 2%). Pressures, temperatures, and emission rates were stabilized.

**Fuel Specification:** ASTM D975 No. 2-D diesel fuel with 0.2% sulfur content (by weight) and 42-50 cetane number.  
**Fuel Temperature:** 99° F ± 9° (at fuel pump inlet)

Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels. Specifications May Change Without Notice.