

	<b>CUMMINS INC.</b> Columbus, Indiana 47201		Basic Engine Model	Curve No.	G-Drive <b>N855</b> <b>1</b>
			NTA855-G3	FR-1623	
	<b>EXHAUST EMISSIONS DATA SHEET</b>		Engine Critical Parts List	Date	
			CPL: 0991	30-Sep-98	
No of Cylinders: 6	Aspiration: Turbocharged and Aftercooled				
Bore: 140 mm (5.5 in.)	Stroke: 152 mm (6.0 in.)	Displacement: : 14.0 litre (855 in <sup>3</sup> )			
Emissions:					

Engine Speed RPM	Standby Power		Prime Power		Continuous Power	
	kW/m	BHP	kW/m	BHP	kW/m	BHP
<b>1500</b>						
<b>1800</b>	399	535	358	480	280	375

### Exhaust Emissions Data @ 1500 RPM

Component	Standby Power			Prime Power			Continuous Power		
	g/BHP-h	mg/m <sup>3</sup>	PPM	g/BHP-h	mg/m <sup>3</sup>	PPM	g/BHP-h	mg/m <sup>3</sup>	PPM
HC (Total Unburned Hydrocarbons)	Not Available at 1500 RPM								
NOx (Oxides of Nitrogen as NO <sub>2</sub> )									
CO (Carbon Monoxide)									
PM (Particulate Matter)									
SO <sub>2</sub> (Sulfur Dioxide)									

### Exhaust Emissions Data @ 1800 RPM

Component	Standby Power			Prime Power			Continuous Power		
	g/BHP-h	mg/m <sup>3</sup>	PPM	g/BHP-h	mg/m <sup>3</sup>	PPM	g/BHP-h	mg/m <sup>3</sup>	PPM
HC (Total Unburned Hydrocarbons)	0.30	N.A.	N.A.	0.25	N.A.	N.A.	Data Not Available For Continuous Power Application.		
NOx (Oxides of Nitrogen as NO <sub>2</sub> )	9.25	N.A.	N.A.	8.55	N.A.	N.A.			
CO (Carbon Monoxide)	2.25	N.A.	N.A.	1.50	N.A.	N.A.			
PM (Particulate Matter)	0.17	N.A.	N.A.	0.13	N.A.	N.A.			
SO <sub>2</sub> (Sulfur Dioxide)	0.59	N.A.	N.A.	0.59	N.A.	N.A.			

Note: mg/m<sup>3</sup> and PPM numbers are measured dry and corrected to 5% O<sub>2</sub> content.

**This Methods and Conditions:**

Steady-State emissions recorded per ISO8178-1 during operation at rated engine speed (+/-2%) and stated constant load (+/-2%) with engine temperatures, pressures and emission rates stabilized.

**Fuel Specifications:**

40-48 Cetane Number, 0.03 - 0.05 Wt.% Sulfur; Reference ISO8178-5, 40CFR86, 1313-98 Type 2-D and ASTM D975 No.2-D.

**Reference Conditions:**

25°C (77°F) Air Inlet Temperature, 40°C (104°F) Fuel Inlet Temperature, 100 kPa (29.53 in Hg) Barometric Pressure; 10.7 g/kg (75 grains H<sub>2</sub>O/lb) of dry air Humidity (required for NOx correction); Intake Restriction

set to maximum allow-able limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Data was taken from a single engine test according to the test methods, fuel specification and reference conditions stated above and is subject to engine-to-engine variability. Tests conducted with

alternate test methods, instrumentation, fuel or reference conditions can yield different results.

Data Subject to Change Without Notice.