



# KTA50-GS8 Advantage Data Sheet

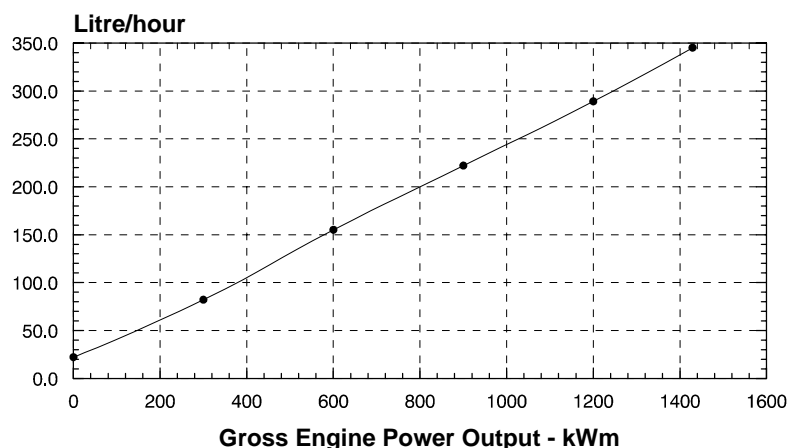
Cummins Inc. Columbus, Indiana 47201

Curve Number: <b>FR-6261</b>	Engine Critical Parts List: <b>2354 (1P/2L), 2859 (2P/2L)</b>	Date: <b>21Jan02</b>
Displacement : <b>50.3 litre (3067 in<sup>3</sup>)</b>	Bore : <b>159 mm (6.25 in.)</b>	Stroke : <b>159 mm (6.25 in.)</b>
No. of Cylinders : <b>16</b>	Aspiration : <b>Turbocharged and Low Temperature Aftercooled</b>	

Engine Speed RPM	Overload Power Rating		Prime Power Rating	
	kWm	BHP	kWm	BHP
1500	1429	1915	1287	1725
1800	-----	-----	-----	-----

## Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
<b>OVERLOAD POWER</b>						
100	1429	1915	0.206	0.338	345	91.2
<b>PRIME POWER</b>						
100	1287	1725	0.204	0.336	309	81.6
75	965	1294	0.210	0.345	238	62.8
50	644	863	0.221	0.363	167	44.1
25	322	431	0.232	0.383	88	23.3



## Engine Performance Data @ 1800 RPM

Not Available at 1800 RPM

Not Available at 1800 RPM

**CONVERSIONS:** (Litres = U.S. Gal x 3.785) (kWm = BHP x 0.746) (U.S. Gal = Litres x 0.2642) (BHP = Engine kWm x 1.34)

Data shown above represent gross engine performance capabilities obtained and corrected in accordance with ISO-3046 conditions of 100 kPa (29.53 in. Hg.) barometric pressure [110 m (361 ft.) altitude], 25°C (77°F) air inlet temperature, and relative humidity of 30% with No. 2 diesel or a fuel corresponding to ASTM D2.

See reverse side for application rating guidelines.

The fuel consumption data is based on No. 2 diesel fuel weight at 0.85 kg/litre (7.1 lbs./U.S. gal).

Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan, optional equipment and driven components.

*D.K. Trueblood*

TECHNICAL DATA DEPT.

CERTIFIED WITHIN 5%

CHIEF ENGINEER