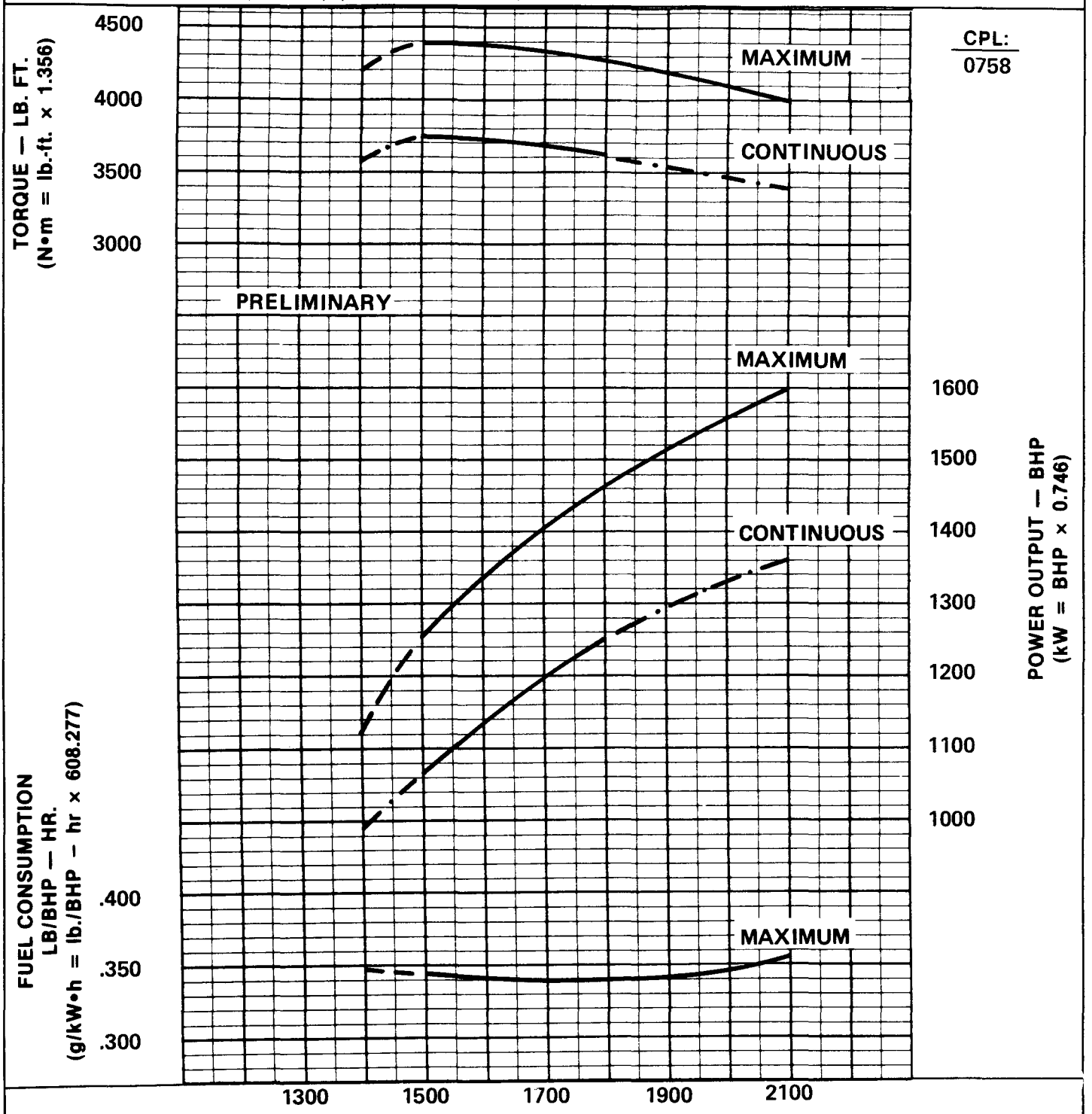
| CUMMINS ENGINE COMPANY, INC.<br>Columbus, Indiana 47201<br>ENGINE PERFORMANCE CURVE | ENGINE MODEL:<br>KTA50–C | CURVE NUMBER:<br>P–4356 | |
|---|---|---|---|
| | ASPIRATION:<br>TURBOCHARGED & AFTERCOOLED | DATE:<br>7/18/86 | BY:<br>E.E.M. |

DISPLACEMENT: 3067 in³ ( 50.3 litre) NO. OF CYLINDERS: 16

BORE: 6.25 in. ( 159 mm) STROKE: 6.25 in. ( 159 mm)

RATING:
HP (kW) @ RPM
1600 (1194) @ 2100

All data is based on the engine operating with fuel system, water pump, lubricating oil pump, air cleaner, and muffler; not included are alternator, compressor, fan, optional equipment and driven components.




Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1349 conditions of 29.61 in. Hg (100 kPa) barometric pressure [300 ft. (90 m) altitude], 77°F (25°C) inlet air temperature, and 0.30 in. Hg (1 kPa) water vapor pressure with No. 2 diesel fuel. The engine may be operated without changing the fuel setting up to 7500 ft. ( 2200 m) altitude. For sustained operation at high load factors at higher altitudes, the fuel rate of the engine should be adjusted to limit performance by 4% per 1,000 ft. (300 m) above 7500 ft. (2200 m) altitude. The engine altitude capability is based upon an inlet temperature representative of the ambient temperature for that altitude.

See reverse side for application rating guidelines.

STANDARDS DEPT.