

GTA855A is a discontinued product.



**Natural
Gas
Engines**

This document is for product support only.

GTA855A

EMISSION DATA

Sheet #ES8760A

Model: GTA855A
Type: 4 Stroke, In-line, 6 Cylinder
Aspiration: Turbocharged & Aftercooled
Compression Ratio: 10:1
Fuel: Natural Gas

Application: Generator Drive
Rating: 330 HP at 1800 RPM
Bore: 5.5 in.
Stroke: 6.0 in.
Displacement: 855 cu. in. (14L)

Performance Data

| | Standby | Prime | Continuous |
|------------------------------|----------------|--------------|-------------------|
| BHP @ 1800 RPM | 330 | 275 | 234 |
| Torque (ft-lbs) | 963 | 802 | 683 |
| Fuel Flow (SCFH) | 2625 | 2181 | 1935 |
| Fuel Consumption (BTU/Hp-hr) | 7199 | 7177 | 7484 |
| Intake Air Flow (SCFM) | 703 | 688 | 673 |
| Exhaust Mass Flow (lb/hr) | 3234 | 3145 | 3069 |
| Exhaust Flow (SCFM) | 2070 | 2013 | 1964 |
| Exhaust Temperature (°F) | 999 | 989 | 964 |

Exhaust Emissions Data

| | | | | |
|------|-------------------------------------|-------|-------|-------|
| THC | Total Hydrocarbons (gr/hp-hr) | 2.99 | 2.64 | 2.49 |
| NMHC | Non-Methane Hydrocarbons (gr/hp-hr) | 0.63 | 0.55 | 0.52 |
| NEHC | Non-Ethane Hydrocarbons (gr/hp-hr) | 0.22 | 0.19 | 0.18 |
| NOx | Oxides of Nitrogen (gr/hp-hr) | 14.23 | 15.06 | 16.35 |
| CO | Carbon Monoxide (gr/hp-hr) | 1.07 | 1.04 | 1.01 |
| CO2 | Carbon Dioxide (%) | 9.20 | 9.20 | 9.40 |
| O2 | Oxygen (%) | 4.40 | 4.10 | 4.20 |

Test Conditions

Data was recorded during steady-state rated engine RPM (± 25) with full load ($\pm 2\%$) and standardized to the following conditions:

Fuel Specification: Dry processed natural gas with a 905 BTU per standard cubic foot LHV
Fuel Temperature: 60°F \pm 9° at Flow Transmitter
Fuel Pressure: 14.73 PSIA \pm .5 PSIA at Flow Transmitter
Intake Air Temp: 77°F \pm 9° at inlet
Barometric Pressure: 29.92 in. Hg \pm 1 in. Hg

All emissions data is a calculated average of engines tested under the conditions shown above. This data is subject to instrumentation, measurement, and engine-to-engine variability. Engine operation with excessive air intake or exhaust restrictions beyond published maximum limits, or with improper maintenance may result in elevated emission levels.

Specifications May Change Without Notice.