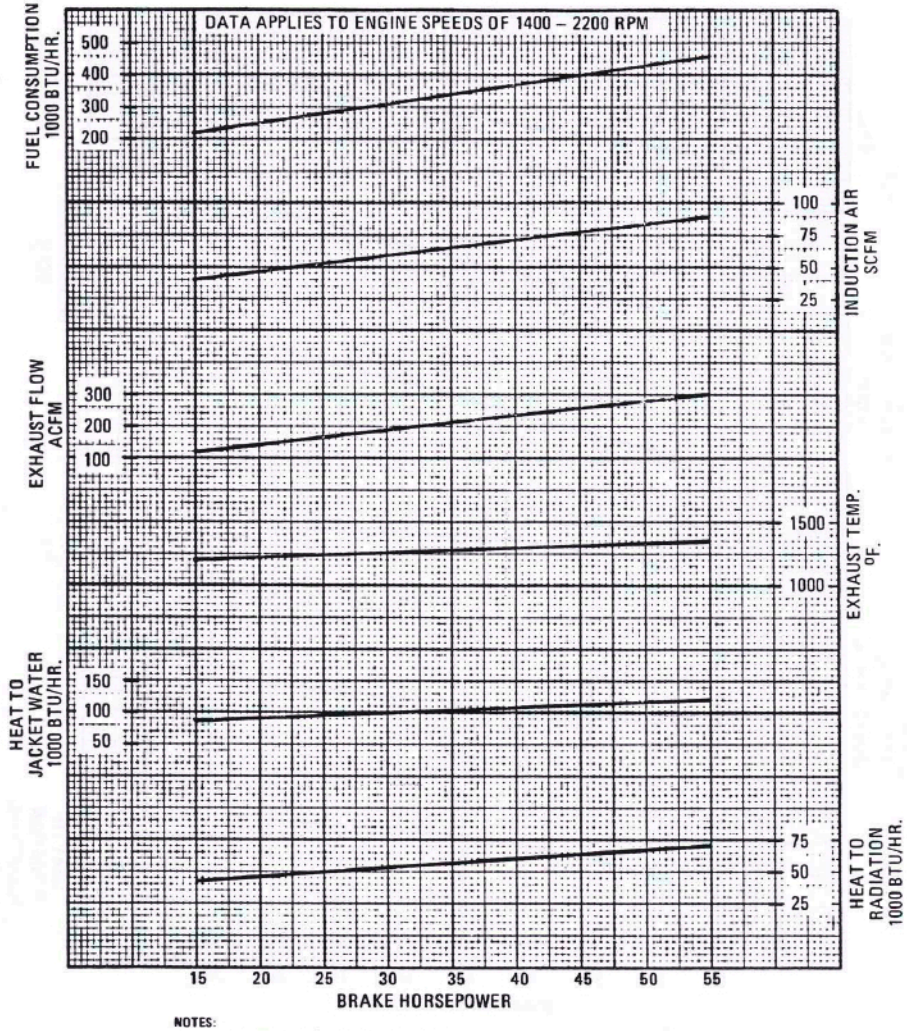
ENGINE PERFORMANCE DATA – MODEL VRG220 (NATURAL GAS)



NOTES:

1. Data is based on 85° F. ambient temperature.
2. Data is average and will vary with operating conditions.
3. Exhaust Heat Recovery, BTU/HR = $\frac{0.95 \times 2300 \times Cp \times (T_2 - T_1) \times \text{Exh. Flow, ACFM}}{\text{Exh. Temp., } ^\circ F + 460}$

   Where,

   Cp = 0.27 approx. at rated load (varies with exhaust temperature and air/fuel ratio).

   T_2 = exhaust temp. before cooling, ° F.

   T_1 = exhaust temp. after cooling, ° F.

   0.95 of exhaust flow is used in calculations to allow for measurement errors.
4. Ventilating air, SCFM = $\frac{\text{Heat to Radiation, BTU/HR.}}{\text{Air Temp. Diff., } ^\circ F.}$

ARROW ENGINE COMPANY	ENGINE PERFORMANCE DATA MODEL VRG220 NATURAL GAS FUEL	DR. JPM DATE 2/80 APP'D OFM	S 7345-6