



Arrow Engine Company is pleased to confirm the observed emission levels for the Arrow VRG 220 and VRG 330 spark ignited engines as follows:

Model	VRG 330TA	VRG 330HC	VRG 330/220
NO _x	10.084	12.077	12.951
CO	1.587	1.314	1.104
NMHC	.022	.053	.050

Rated HP

VRG 330TA rated at 100 Bhp at 1800 RPM.
VRG 330HC rated at 68 Bhp at 1800 RPM.
VRG 330 rated at 68 Bhp at 1800 RPM.
VRG 220 rated at 45 Bhp at 1800 RPM.

Brake HP Specific Fuel Rates

VRG 330TA rated at 7307 (Btu/Hp-hr).
VRG 330HC rated at 7312 (Btu/Hp-hr).
VRG 330 rated at 8038 (Btu/Hp-hr).

- Units for all values, grams/HP-hr.
- Values represent emissions at 100% loads.
- All tests based on pipeline quality Natural Gas of 900 Btu/ft³ (LHV).
- Actual readings may vary based on site conditions and fuel consumption.
- Engines tested tuned for best economy.