

EPA WEIGHTED AVERAGES CALCULATIONS
EPA WEIGHTED AVERAGE PARTICULATE EMISSION RATE

The weighted average particulate emission rate (\overline{PM}) for the Pacific Energy Neo 1.6 Noncatalytic Zero Clearance
Wood heater manufactured by Pacific Energy
Fireplace Products, LTD. is 3.09 g/hr.

EPA WEIGHTED AVERAGE OVERALL EFFICIENCY

The weighted average overall efficiency (%OE) using the Higher Heating Value (HHV) in CSA B415.10-1 is 64.8%. The weighted average overall efficiency (%OE) using the Lower Heating Value (LHV) in CSA B415.10-1 is 70.1%. The EPA Default efficiency Value is 63.0%.

EPA TEST RESULTS

Run #	Dry Burn Rate/kg/hr	Grams/Hour	HHV Overall Efficiency	LHV Overall Efficiency
5	0.893	3.411	67.5	72.9
3	1.026	2.794	67.3	73.1
2	1.325	1.787	65.9	71.2
1	2.039	4.874	58.1	62.8
4*	.894	5.993	66.6	71.9

Run 4 is not included in the weighted average calculations because it was "Voided" by a design change. See Test Information and Discussion