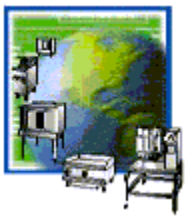

Food Service Technology Center
Appliance Test Summary Report

Manufacturer	Vulcan
Model	VC6GD-9
Appliance	Full-size convection oven - Gas

Report Number	5012.09.40
Test Date	September, 2009
Tested By	A.Spitz

Purpose of Testing

This testing determined the energy input rate, preheat time and energy, idle energy rate and heavy-load cooking-energy efficiency of the oven by applying ASTM F1496.

Cavity Volume

Internal Oven-Cavity Volume (Ft^3)	3.49

Energy Input Rate

Rated Energy Input Rate (Btu/h)	44,000
Measured Energy Input Rate (Btu/h)	45,615
Difference (%)	3.54
Fan/Control Energy Rate (kW)	0.54

Preheat to 340°F

Duration (min)	13.33
Energy Consumption (Btu)	10,150
Preheat Rate (°F/min)	20.19

Idle at 350°F

Idle Energy Rate (Btu/h)	11,097

Heavy-Load Cooking Energy Efficiency [a]

Food Product	Russet Potatoes
Oven Temperature Set-point (°F)	350
Cook Time (min)	48.53
Cooking Energy Rate (Btu/h)	39,156
Cooking Energy Rate (kW)	0.52
Energy to Food (Btu/lb)	212
Energy to Appliance (Btu/lb)	456
Cooking-Energy Efficiency (%)	46.5 ± 0.8
Production Capacity (lb/hr)	89.7 ± 5.5

[a] based on a minimum of three test replicates.

Vulcan Hart Corporation
3600 North Point Boulevard
Baltimore, MD 21222
www.vulcanhart.com

Food Service Technology Center
12949 Alcosta Blvd. Suite 101, San Ramon CA 94583
P: 1.800.398.3782 F: 1.925.866.2864 www.fishnick.com

Manufacturer	Vulcan	Report Number	5012.09.40
Model	VC6GD-9	Test Date	September, 2009
Appliance	Full-size convection oven - Gas	Tested By	A.Spitz

Heavy-Load Potato Test Data

	Test #1	Test #2	Test #3
Measured Values			
Cook Time (min)	47.17	48.83	49.58
Electric Energy to Oven (kWh)	0.41	0.43	0.43
Initial Weight of Potatoes (lb)	72.490	72.520	72.611
Final Weight of Potatoes (lb)	65.285	64.375	64.785
Initial Temperature of Potatoes (°F)	72.82	80.61	72.24
Final Temperature of Potatoes (°F)	204.89	204.95	204.99
Calculated Values			
Sensible Heat (Btu)	8,042	7,574	8,097
Latent - Heat of Vaporization (Btu)	6,989	7,901	7,591
Total Energy to Food (Btu)	15,031	15,475	15,688
Energy to Food (Btu/lb)	207	213	216
Total Energy to Oven (Btu)	32,535	33,269	33,500
Energy per Pound of Food Cooked (Btu/lb)	449	459	461
Cooking-Energy Efficiency (%)	46.20	46.52	46.83
Electric-Only Cooking-Energy Rate (kW)	0.52	0.52	0.52
Gas-Only Cooking Energy Rate (Btu/h)	39,619	39,094	38,756
Production Capacity (lb/h)	92.21	89.20	87.87

Food Service Technology Center
12949 Alcosta Blvd. Suite 101, San Ramon CA 94583
P: 1.800.398.3782 F: 1.925.866.2864 www.fishnick.com