Heat Pump (14Kw or 50,000 BTU/h output)	Gas Boiler (100,000 BTU/h output)
• Only consumes 2.4Kw/h of electric • 1Kw/h of electric = 11.04p • 2.4Kw/h of electric x 11.04p = **26.5p per Kw/h**	• Consumes 0.95 hundred cubic feet (hcf) • 0.95 *hcf = 30Kw/h* • *30Kw/h of gas x 3.211p = 96.3p per Kw/h*
	However, only 80% of every pound spent on gas is transferred to heating water so 96.3p + 25% = £1.20
Costs 26.5p per Kw/h to run	**Costs £1.20 per Kw/h to run**
For 1 day (heat pump on for 10 hours), costs *26.5 x 10 = £2.65*	For 1 day (boiler on for 5 hours), costs *£1.20 x 5 = £6.00*
For typical season, May – September, costs *153 x £2.65 = £404.45*	For typical season, May – September, costs *153 x £6.00 = £918.00*
Savings for season using heat pump: **£918.00- £404.45 = £513.55**	

Heat Pump (14Kw or 50,000 BTU/h output)	Electric Heater (14Kw or 50,000 BTU/h output)
Cost to run for typical season, May-September: **£404.45**	Cost to run for typical season, May-September: **£2356.20**
Saving: £1951.75	