

ENVY AWARD 2008

This Certificate is awarded to

WATKINS MANUFACTURING CORPORATION

for its outstanding efforts in environment-friendly spa design including:

- Creating trendsetting, energy-smart spas
- Using energy-efficient spa components
- Assuring that all spa owners and prospective buyers have access to valid energy-performance documentation
- Participating in frequent product testing carried out by independent third parties
- Supporting international R&D to further increase energy efficiency and green initiatives

In 2008, a Hot Spring® Sovereign® spa from Watkins Manufacturing was tested for energy efficiency under outside conditions at a demonstration home operated by R&D Institute for Innovative Design and its partner DemoDomo, both near Munich, Germany. The spa's standby energy consumption over a test period of 72 hours was measured to be 15.77 kWh at a temperature differential of 30.13 degrees Celsius (86.23 degrees Fahrenheit), between the ambient outside temperature of 8.7°C (47.66°F) and the spa water at 38.8°C (101.84°F).

Testing results showed the Sovereign spa to operate substantially below the California Energy Commission's maximum energy requirements, consuming 12.7% less energy even though the tests were conducted at an average ambient temperature approximately 7°C (12.3°F) colder than the test requirements established by the Commission.

The average wattage during the test calculates at 219 watts concluding a spa's specific energy efficiency of 7.25 W/K¹⁾.

¹⁾ K in Kelvin representing the temperature difference between spa water and ambience

Certificate presented on 19 March, 2008, at Vista, California.



*Prof. Dr. Ulrich Beerschwinger,
Founder and Director of INDESIGN
Institute for Innovative Design*