**1619-S.E AMS FORT S5137.2 - NOT FOR FLOOR USE**

**ESHB 1619** - S AMD **1297**

By Senator Fortunato

**NOT ADOPTED 03/01/2022**

On page 10, line 35, after "~~2009.~~))" insert "(i)"

On page 11, line 2, after "2022" insert ";

(ii) The normalized standby power (Pnorm), as defined in Table G-5, of portable electric spas manufactured on or after June 1, 2019, shall be no greater than the applicable values shown in Table G-5.

Table G-5

Standards for Portable Electric Spas

|  |  |  |
| --- | --- | --- |
| Appliance | Normalized Standby Power (Pnorm) Condition | Maximum Standby Power (Watts) |
|  | | |
| Standard spas and the standard spa portion of combination spas | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Exercise spas and the exercise spa portion of combination spas | Where: ΔTstd = 22 degrees Fahrenheit (12.2 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Exercise spas and the exercise spa portion of combination spas capable of maintaining a minimum water temperature of 100oF for the duration of the test | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Inflatable spas | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 7(V2/3) |
|  | | |

Where:

Pnorm = normalized standby power = Pmeas (ΔTstd/ΔTmeas), in Watts;

Pmeas = E/t:

E = total energy use during the test, in Watt-hours;

t = length of test, in hours;

ΔTmeas = Twater avg - Tair avg;

Twater avg = average water temperature during test;

Tair avg = average air temperature during test;

V = the fill volume, in gallons"

On page 11, line 6, after "(b)" insert "(i)"

On page 11, line 12, after "2022" insert ";

(ii) The normalized standby power (Pnorm), as defined in Table G-5, of portable electric spas manufactured on or after June 1, 2019, shall be no greater than the applicable values shown in Table G-5.

Table G-5

Standards for Portable Electric Spas

|  |  |  |
| --- | --- | --- |
| Appliance | Normalized Standby Power (Pnorm) Condition | Maximum Standby Power (Watts) |
|  | | |
| Standard spas and the standard spa portion of combination spas | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Exercise spas and the exercise spa portion of combination spas | Where: ΔTstd = 22 degrees Fahrenheit (12.2 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Exercise spas and the exercise spa portion of combination spas capable of maintaining a minimum water temperature of 100oF for the duration of the test | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 3.75V2/3+40 |
|  | | |
| Inflatable spas | Where: ΔTstd = 37 degrees Fahrenheit (21 degrees Celsius) | 7(V2/3) |
|  | | |

Where:

Pnorm = normalized standby power = Pmeas (ΔTstd/ΔTmeas), in Watts;

Pmeas = E/t:

E = total energy use during the test, in Watt-hours;

t = length of test, in hours;

ΔTmeas = Twater avg - Tair avg;

Twater avg = average water temperature during test;

Tair avg = average air temperature during test;

V = the fill volume, in gallons"

EFFECT: Adds specifications from California Code of Regulations, Title 20, section 1605.3 in effect as of January 1, 2022, to the efficiency standards for portable electric spas.