Effect of Water Heater Standards

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Chief Technical Advisor
Effect of Water Heater Standards

Revised residential water heater standards became effective April 2015

Several months of sell through but full effect is reflected in the market today

Implementation of July 2014 revised test procedure may add some effect
Effect of Water Heater Standards

Review of current storage model availability compared to February 2015

Review of shipment statistics for last half of 2015.
Model Availability by EF

28-30 GALLON GAS RWH

QUANTITY

ENERGY FACTOR

AHRI
Model Availability by EF

38-40 GALLON GAS RWH

QUANTITY

ENERGY FACTOR

0 0.59 0.60 0.61 0.62 0.63 0.64 0.65 0.66 0.67 0.68 0.69 0.70 0.71 0.82

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Model Availability by EF

48-50 GALLON GAS RWH

QUANTITY

ENERGY FACTOR

Input Btu/h

- <0.87
- >0.87

Number of Models
Model Availability by EF

28-30 GALLON ELECTRIC RWH

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<th>ENERGY FACTOR</th>
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Model Availability by EF

38-40 GALLON ELECTRIC RWH

QUANTITY

ENERGY FACTOR

0 5 10 15 20 25 30

0.92 0.93 0.94 0.95

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Model Availability by EF

47-50 GALLON ELECTRIC RWH

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Heat Pump Model Availability

Heat Pump RWH

QUANTITY

Rated Volume

0 1 2 3 4 5 6 7 8 9

50 66 80 120
Effect of Water Heater Standards

Typical product lines February 2016

Gas Storage – 30 G; 40 G; 50 G; tall and standard models,

Electric Storage – 30 G; 40 G; 50 G; tall and standard models

Electric Heat Pump 50 G; 65 G; 80 G;

Oil Storage – 30/32 G; 50 G

Gas Tankless – 120 kBtu/h; 140 kBtu/h; 160 kBtu/h; 180 kBtu/h; 199 kBtu/h
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Storage Water Heater Shipments
July through December; 2015 vs 2014

Residential Gas    -12.7%
Residential Electric -19%
Commercial Gas     +1.4%
Commercial Electric +27.6%
All models will be retested to new DOE efficiency test procedure to determine UEF
Minimum “EF” standards will be translated to minimum “UEF” standards
Some current models may drop from the market and some new models may be added in “empty” categories
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Thank You

QUESTIONS?