

WATER HEATING TECHNOLOGIES

Presented at CMX-CIPHEX,
26/03/2010

Storage Water Heater

- Large off-cycle loss
- Low overall efficiency



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Natural Resources
Canada

Ressources naturelles
Canada

Canada

Tankless Water Heater



Low Standby Loss, Higher Cyclic Losses

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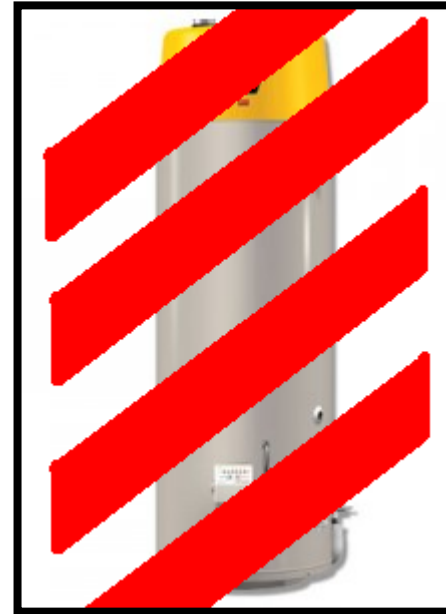


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Ressources naturelles
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Canada

Hybrid Tankless-Storage



The Best of Both Worlds – Or Not ?

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Heat-Pump Water Heater

COP = 1.0 to 2.2



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Solar Add-On



**Over 50% Solar Fraction in Summer
Less Than 10% in Winter**

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