## Accepted Manuscript

Novel beverage heating and fast-cooling processes separately using an absorption chiller and using electric heat pumps

Yueting Yang, Xiaoyun Xie, Yi Jiang

 PII:
 S0140-7007(18)30213-5

 DOI:
 10.1016/j.ijrefrig.2018.06.007

 Reference:
 JIJR 4016

To appear in:

International Journal of Refrigeration

Received date:24 March 2018Revised date:9 June 2018Accepted date:13 June 2018

Please cite this article as: Yueting Yang, Xiaoyun Xie, Yi Jiang, Novel beverage heating and fastcooling processes separately using an absorption chiller and using electric heat pumps, *International Journal of Refrigeration* (2018), doi: 10.1016/j.ijrefrig.2018.06.007

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Highlights

- Two novel beverage heating and fast-cooling processes are designed;
- A hot beverage-driven absorption chiller is used instead of the mechanical chiller;
- Simultaneous heating and cooling is realized by the electric heat pump process;
- The absorption chiller should be chosen with the heat recovery ratio under 93%.

Ċ

1

Download English Version:

## https://daneshyari.com/en/article/10226471

Download Persian Version:

https://daneshyari.com/article/10226471

Daneshyari.com