the microgroove™ advantage

MicroGroove Technology on Exhibit at the 23rd IIR International Congress of Refrigeration in Prague, Czech Republic

Smaller-Diameter Copper Tubes with Inner Grooves are a "Game Changer" in the Design of Air Conditioners and Refrigeration Products that Can Achieve Higher Energy-Efficiency Using Less Materials, Says the International Copper Association

Prague, Czech Republic (21 August 2011) — The International Copper Association today announced that MicroGroove technology will be on exhibit at the 23rd IIR International Congress of Refrigeration, Prague, Czech Republic. The MicroGroove exhibit will run for five days from August 21-26 at the Prague Congress Centre, i.e., the venue for the Congress.

MicroGroove technology refers to the use of smaller-diameter copper tubes with inner grooves in the design of ACR products. The higher local heat transfer coefficients of such tubes compared to larger diameter copper tubes means that evaporators and condensers made with MicroGroove tubes can deliver a specified cooling capacity using less material, including less tube, less fin and less refrigerant. Consequently, air conditioners and refrigeration products can be made more energy efficient without increasing manufacturing costs.

"MicroGroove technology is already increasing the energy efficiency of AC products on global markets," says Nigel Cotton, Global OEM Team Leader for the ICA. "Yet the potential for saving energy using this technology is just beginning to be realized. The IIR Congress provides an ideal venue to introduce its advantages to ACR researchers and product design engineers throughout the world."

Several papers will be presented at the Congress on the design of heat exchanger coils using smaller-diameter copper tubes. For more information about MicroGroove Technology, including technical papers, visit MicroGroove (Booth 11) at the Congress during the exhibit hours, or visit www.microgroove.net.

About the Congress

The International Congress of Refrigeration is the most important and prominent forthcoming event of the International Institute of Refrigeration (IIR, www.iifiir.org). More than 600 papers will be presented at the Congress, which is held every four years. The theme for this year is "Refrigeration for Sustainable Development." The International Institute of Refrigeration (IIR) is a scientific and technical intergovernmental organization enabling pooling of scientific and industrial know-how in all refrigeration fields on a worldwide scale.

About ICA

The International Copper Association, Ltd. (ICA) is the leading organization for promoting the use of copper worldwide. ICA's mission is to promote the use of copper by communicating the unique attributes that make this sustainable element an essential contributor to the formation of life, to advances in science and technology, and to a higher standard of living worldwide. Visit www.copperinfo.com for more information about ICA.

# # #