

Climate Solutions

In the Middle East and Africa

Issue 21 November 2011

Strategic Partnership On Air Conditioners Energy Efficiency Regulations & Implementation



Mr. K. Jayakumar (Vice President – Sales & Marketing, Emerson Climate Technologies) awarded By Dr. Saleh (Deputy Minister Of Water & Electricity, KSA)



Emerson Climate Technologies Exhibition Booth

Under the patronage of H.E. Abdullah Abdulrahman Al Hussayen, minister of Water & Electricity—Saudi Arabia, the AMAD Technical Consultation and Laboratories organized “Workshop on Air Conditioners Energy Efficiency Regulations & Implementation,” an event that focused on increasing energy efficiency awareness. As a strategic partner, Emerson Climate Technologies worked with AMAD Technical Consultation & Laboratories and SASO, for the success of this event.

The idea for the workshop came about with the realization of one of the most important and major functions of the Ministry of Water and Electricity in connection to raising awareness on electrical power efficiency. Pursuant to the Ministry’s continuous directives to enhance its input on saving power, the Ministry of Water and Electricity began executing new projects that aims to find new high efficiency air conditioner designs suitable for hot climate, since ACs consume about 70% of the power in residential buildings. Coming from the Ministry’s commitment to utilize both local and international experiences, the event concentrated on mechanisms adopted in other countries that may benefit them locally including assessing ACs according to standards, technical regulations, energy efficiency and labeling requirements. energy efficiency and labeling requirements; and to benefit locally from the mechanisms adopted in other countries.

The workshop was conducted with an aim :

- To identify the current status of requirements of efficiency, and efforts done by legislative and industrial bodies in KSA to achieve higher energy efficiency in ACs, and their future plans;
- To integrate the process of verification of electricity efficiency to energy labeling system, and standards requirements;
- To present the experience of relevant local and international bodies in method of checking compliance with these requirements in ACs, and the means of monitoring and enforcement;
- To search for the optimal integrated system to achieve a higher Energy Efficiency Ratio (EER) in ACs according to international experiences; and
- To study some models of successes stories of implementation energy efficiency systems, and their positive impact, to individuals, premises and national economy.

Given the importance of the subject, the ministers of the following organizations were part of the event :

- Ministry Of Commerce & Industry
- Saudi Standards, Metrology and Quality Organization (SASO)
- Saudi Customs
- Electricity and Co-Generation Regulatory Authority (ECRA)
- Saudi Energy Efficiency Center
- Saudi Electricity Company
- Chambers Of Commerce – Saudi Arabia

(continuation on pg.2)

Egypt End User & Hilton Engineers Seminar



Emerson, in partnership with Ratomag, a leading local kitchen contracting & equipment company, organized an end user seminar at The International Hotel Supplies Exhibition-HACE- Hotel Expo 2011 in Cairo, Egypt on October 4 to 5 2011.

The first part of the seminar was for end users and retail customers, while the second part was primarily for Hilton Engineers based in Egypt. The seminar focused on some of the new regional offerings including Dixell, ZX and scroll water cooled units which were displayed at the Ratomag booth during the exhibition. The units generated a lot of interest among the hotel engineers.

The Annual Hotel show, which mainly attracts local customers and manufacturers, provided a unique opportunity to showcase some high efficiency and region specific products.

Product Spotlight

Browning

Serving

You Better



Browning V-belt drives and bearings are now available through Emerson Dubai.

To better serve its Middle East HVAC customers, Emerson Power Transmission Solutions now offers its industry leading Browning V-belt drive and bearings products at the Emerson Dubai Distribution Center. Browning V-belt Drive and Bearing products are known worldwide for providing optimized performance in air moving equipment.

Product Offering:

The Browning V-belt products include the popular classical belt sections in wrapped (smooth) and notched styles. These are the A, AX, B and BX sections. The stock offering from Emerson will also include the 5VX, a notched belt section for higher KW applications. The size ranges available will include the complete offering from Browning.

The sheaves (pulleys), belts and bushings stored at the Emerson Climate Technologies Dubai FZE warehouse, are available in a

wide range of pitch diameters and in inch and metric bore sizes. The stock sizes will allow customers to design custom V-belt drive solutions from "in stock" parts using the Browning EDGE V-belt drive selection software for drives up to 75KW. Additionally, the wide product range will meet most replacement part requirements of existing HVAC units.

Emerson will stock a range of bearings for the most popular applications in both pillow block and rubber grommet versions. Metric bore ranges from 20mm to 50mm and inch from 5/8" to 2 7/16". Both eccentric and Browning BOA locking will also be available.

Support:

In March of 2011, Emerson Power Transmission Solutions added a Regional Industry Specialist based in Dubai to support sales, marketing and technical efforts for its Browning products. Customers can inquire about sourcing Browning V-Belt Drive and Bearing products with their Emerson Climate Technologies Account Manager or Customer Service Representative.

The workshop was attended by AC manufacturers, key energy managers from Governmental bodies and delegates of ministerial organization. Key speakers were invited from across the globe to share the experience and learning of implementation of standard and labeling schemes: DOE – USA, BEE-India, KEMCO – Republic Of Korea, ESMA – UAE. The major AC Equipment manufacturers – Zamil, Carrier, Trane, LG, AL Essa presented on the readiness of manufacturing Hi – EER systems and stressed that proper implementation/ Enforcement of standard/ labeling scheme is the key to success of the program.



Audience at the event.

Emerson Climate Technologies presented the Energy Performance Improvements in Compressors and stressed on the need to choose the right technology of compressor to reach a higher system efficiency.

The workshop concluded with an update of a project on the study of a building's Hi – EER AC systems by Proctor Engineering Group) and the recommendations of the workshop were presented by AMAD Technical Consultation and laboratories to the ministry.

The key recommendation is:

- To stress activating the Saudi Standard's current EER value of 8.5 at T1 (35 C0) for window-type ACs, and to raise this value for split and central AC units temporarily to 9.7 at T1 (35 C0). These values will be raised for each AC type to a higher value in accordance with the study conducted by MOWE.

Details on the recommendations have been published on the website www.ac-efficiency.com.

Copeland
brand products

DWM COPELAND

EMERSON
Climate Technologies

dixell

Emerson & Metraclark : bringing technology and savings together in Southern Africa

Metraclark, the largest refrigeration and air-conditioning wholesaler in Southern Africa wholly owned by G&L Beijer AB from Sweden was the first refrigeration company to become part of the Beijer ref group outside of Europe.

Metraclark is the exclusive distributor of Emerson products (Copeland, Alco and Dixell) as well as Carrier residential air-conditioning systems. It offers the widest range of quality products and availability backed with skilled and experienced employees.

The branch network includes 24 trading branches in South Africa with a dedicated export department based in Johannesburg. Outside South Africa, Metraclark has a branch in Windhoek, Namibia and two other branches located in Gaborone and Francistown, Botswana. They also own a 40% share in Metraclark LDA trading in Maputo, Mozambique. The branches are supported by two central warehouse facilities, one being dedicated to refrigeration products and components and the other dedicated to air-conditioning products.

Metraclark also owns two factories. Recam, which has been operating since 1975 and is the leading manufacturer of heat exchange products from small evaporators to large industrial air-cooled condensers, is also the largest manufacturing facility of refrigeration power packs in Southern Africa. Recam specializes in building energy efficient multiplex systems driven by Copeland® semi-hermetic or Copeland Scroll® compressors. By including the Emerson variable speed drives, soft starters and the EVI scroll options, Metraclark offers affordable and best in class energy saving products.

A second factory, Phoenix Racks, is a dedicated refrigeration power pack builder based in Cape Town. This newly found factory allows Metraclark to serve the southern part of South Africa better.

The customers are supported by a dedicated engineering department, comprising of qualified mechanical and



electrical engineers. Their main function is to offer solutions to customer problems and help with commissioning when needed. They are also competent on the Emerson Dixell range of products, helping with the design and set-up of advanced control and monitoring systems. With the latest technology in electronic expansion valves and controls, allowing floating suction and head pressure control, they are able to save energy on existing installations.

Metraclark has a very strong relationship with Emerson and has been the exclusive distributor of Emerson products (Copeland, Alco and Dixell) in South Africa for the last six years. This relationship allows them to focus on one product, allowing better customer support and high level of availability. Metraclark believes in Emerson as a technology leading company and has shared with them recent developments in Scroll, Digital Scroll, EVI Scroll and now, the ZX unit platform.

All The Way
Partners



White
Rodgers.

Browning

THERMODISC

VILTER
Since 1867

Winds Of Change

Our Team

Meet

Our Team

Emerson Climate Technologies Team Members



Baljeet Singh has joined the Vilter Team in Dubai as Application Engineer, MEA. In this role, he will support both the Industrial Refrigeration and Gas Compression market segments. He will also assist the MEA region sales activities in equipment selection, quote preparation and will subsequently provide start-up support.

Baljeet comes to Emerson after gaining experience in India with Johnson Controls-York and Frick (India) Ltd in Industrial Refrigeration and Process Applications. He is a Mechanical Engineer by profession.



Dalia Kaki joins the Middle East and Africa team as a Marketing Analyst. She would be responsible for managing business analysis and supporting the demand management process. She has several years of experience working in the Gulf region including working as an Anti-Money Laundering Analyst at the National Commercial Bank in Saudi Arabia. She graduated with a degree in Economics and holds a post graduate degree in Management from Nottingham University, UK.



Joey dela Cruz has recently joined the Middle East and Africa team as ERS-Field Service Engineer. He spent the last three years working as a CPC Technical Services Engineer in GSC-Manila, providing technical support for Australia and the Asia-pacific region. In his new role, Joey will be responsible for application support on ERS installations and will assist the overall growth objectives of ERS Business in Middle East. Joey holds a degree in Mechanical Engineering.



Emerson Climate Technologies Middle East and Africa

P.O. Box 26382, Jebel Ali Free Zone, Dubai, United Arab Emirates

Phone: +971 (04) 8118100 Fax: +971 (04) 8865465

E-mail: DUB.MEA-Marketing@emerson.com

Website: mea.emersonclimate.com/mea

TOLL-FREE TECHNICAL SUPPORT

EMERSON'S TOLL FREE SERVICE wants to help you out!

For any air-conditioning or refrigeration-related question CALL THE TOLL-FREE NUMBERS

Saudi Arabia	8008443426
UAE	80084413428
South Africa	0800980371

Alternatively, you can write to our engineer Cesar at: Cesar.Coloma@Emerson.com

This newsletter is produced by Emerson Climate Technologies Middle East and Africa.

