Press Release

ABB’s new motor technology will deliver IE5 efficiency without rare earth magnets

The innovative technology platform, which will enable IE5 Ultra Premium Efficiency variable speed motors, will be presented at this year’s Hanover Fair.

Hanover, April 7, 2014 – ABB, the leading power and automation technology group, is preparing to take motor efficiency to the next level. Starting from IE4, today’s highest standardized efficiency level, ABB has derived the new IE5 level by reducing losses by a further 20 percent.

The new platform is an extension of ABB’s award-winning SynRM (synchronous reluctance) motor technology launched in 2011. It strengthens ABB’s motors and drives technology portfolio in markets where customers require the highest efficiency.

Unlike the offerings from certain other manufacturers, ABB’s motors will not utilize rare earth permanent magnets. Instead they will use ferrite magnets, which are more cost effective and easily available. This will result in products that are more sustainable both economically and ecologically.

Today the largest business potential for the new motors is seen in the 1 to 15 kilowatt output range, and among OEM customers who require motor and drive characteristics to be optimized according to specific application needs.

ABB will be presenting the new motor technology platform at the Hanover Fair, April 7-11, 2014 in Germany.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 150,000 people.

More information:
ABB Oy
Ari Tammi
Product Market Manager, IEC LV Motors
Strömbergin Puistotie 5 A
65320, Vaasa, FINLAND
Mobile: +358 50 3341910
E-mail: ari.tammi@fi.abb.com