iQ solution from ebm-papst offers an average efficiency saving of 70%

Following the successful introduction of EC (electronically commutated) motors, experienced technical developers at ebm-papst, Europe's largest motor and fan manufacturer, have created the iQ motor, which delivers energy savings between 65-90%, and can be installed quickly and cost effectively to upgrade applications currently fitted with Q motors.

From the outside the iQ motor is visually the same as the standard Q motor, however, that is where the similarities end. Inside it is completely different and uses cutting edge technology including a highly efficient, energy saving EC motor, with intelligent open and closed loop control.

With over one million Q motors throughout the UK, located within refrigeration cabinets, cooling compressors, under floor convection heating and stirrer motors, across a variety of sectors, the iQ motor provides the perfect replacement alternative to the out-dated Q motor. Using permanent magnet motors with a direct motor (DC), the iQ is more efficient than the Q's synchronous (AC) motor, offering average efficiency savings of 70%.

Tony Clark, Project Engineer at ebm-papst, comments: "Since the first release of the iQ motor, it has been specified on a number of large upgrade contracts, including (are we able to confirm which contracts and what savings have been achieved?) where it has proved easy to install, highly reliable and more efficient."

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pacesetter for the ultra-efficient EC technology. In the last fiscal year 10/11, the company generated turnover of over 1.3 billion EUR. ebm-papst employs over 11,000 people at 17 production facilities (including Germany, China and the USA) and 57 sales locations worldwide. Fans and motors of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications as well as applications in automotive and commercial vehicle engineering.