

WEG Launches New Energy Efficient W22X Flameproof Motors for Demanding Hazardous Area Applications

WEG is providing the highest levels of energy efficiency and protection in hazardous environments, following the launch of the W22X range of flameproof electric motors, which are being shown as part of WEG's extensive automation portfolio at the SPS/IPC/Drives 2011 exhibition at Nuremberg.

ATEX/IECEX certified, the W22X motors are designed to cope with the rigours of aggressive and explosive atmospheres, while delivering the added benefits of high efficiency, (IE2/IE3 energy efficiency rating), minimised noise, vibration, and low operating temperature for increased reliability and safety.

Available for low, medium or high voltage supplies, and with either Ex d or Ex d(e) flameproof protection, the W22X product range covers 2, 4, 6, and 8- pole motors in sizes up to 500 frame, across the power range from 160kW to 1500kW. The first units released in the motor series are frame sizes 500KH: 4-pole, 6kV motors with power ratings up to 1500kW.

The W22X range has CE marking in compliance with EU directive 94/4/EC - ATEX - and is classified as equipment Group I (mines) and Group 11 (surface industries), for gases Group IIB and IIC. The range is suitable for use in Zone 1 - Gases and Vapours (G), and Zone 21 - Gases, Vapours and Dust (GO).

The advantage of dual certification for gas and dust is that it makes the W22X range modular and flexible, reducing inventory costs for users by enabling a common motor frame to be used with different types and sizes of terminal boxes.

The introduction of the W22X series means that WEG now serves the global Oil and Gas industry and other hazardous area markets around the world with the widest range of energy saving motors, complementing the existing range of hazardous areas products, which extends from 0.75kW to 40MW, and is available in Ex-P, Ex-N, Ex-e configurations and suitable for Groups IIA, IIB and IIC.
