

SPS IPC Drives 2013 (Hall 7, Stand 380)

New FR-A770 690V frequency inverters: high performance in harsh environments

Nuremberg/Ratingen, 26 November 2013

The new FR-A770 inverters – high-performance devices with an operating voltage of 690 volts – are Mitsubishi Electric’s latest additions to the tried and tested FR-A700 series. The FR-A770 inverters are based on the successful FR-A740-EC models and are ideally suited for use in harsh environments.

The FR-A770 frequency inverters combine innovative functions with reliable technology, ensuring maximum performance, efficiency and flexibility. Two models with motor-rated capacities of 355 kW and 560 kW with high overload capability of 150 percent for 60 sec are currently available. They are ideally suited for demanding drive tasks requiring high speed and torque quality such as, for example, in the shipping and offshore industry and water/waste water industry. Possible areas of application include cranes and lifting units, conveyor belt systems, extruders and centrifuges, printing presses, winders and mining or even ski lifts and cable cars.

All FR-A700 series inverters are equipped with Real Sensorless Vector control for speed and torque control in open loop, as well as for positioning in closed loop to ensure optimum control quality. The FR-A700 series can be used in conjunction with servo drives within a motion system. Plug-and-play integration in positioning systems can be realised via SSCNET III. The inverters can also be utilised as leading axis

drives. The integrated PLC functionality allows direct access to all the drive parameters and it can take over plant management as an autonomous control and monitoring unit if required. The frequency inverters are equipped with a USB, RS485 and Modbus-RTU interface as standard and also comply with international network standards such as CC-Link, CC-Link IE Field, Profibus DP, Profinet, EtherNet IP/ DeviceNet and LonWorks.

Mitsubishi Electric will be presenting the models from the new FR-A770 class of inverters on stand 380, hall 7 at SPS IPC Drives from 26th to 28th November 2013 in Nuremberg.

Photo Caption



Picture 1: Mitsubishi Electric's new FR-A770 frequency inverters combine innovative functions with reliable technology, ensuring maximum performance, efficiency and flexibility.

About Mitsubishi Electric:

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial

technology, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 121.000 employees the company recorded consolidated group sales of 29,5 billion Euro* in the fiscal year ended March 31, 2013. Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Mitsubishi Electric Europe B.V., Factory Automation European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

**Exchange rate 120,69 Yen = 1 Euro, Stand 31.3.2013 (Source: Deutsche Bundesbank)*

Further Information:

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