

High efficiency motor drives from DeltaSense offer dual capability

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Able to drive the permanent magnet synchronous motors that have become widespread in energy saving fans, compressors, pumps etc, the new ECF series drives from DeltaSense can also drive standard AC motors.

The state-of-the-art, high efficiency drives use up to 80% less power than traditional frequency inverters used with AC motors. In addition, sensorless control enables them to drive motors without the need for rotor position sensors.

Available with power outputs ranging from 180 W to 1500 W, the single phase drives can operate at efficiencies of over 96%. Since they are passively cooled they can be supplied in high IP rating enclosures, making them suitable for harsh environments.

"The new ECF models are some of the highest efficiency drives available," said David Hardy, managing director at DeltaSense. "And being programmed to match your motors makes them 'plug and play' devices."

The drives can be customised to suit OEM applications. Fitting is simple as all that is necessary is to connect the power, motor and analogue control leads. They can also be controlled digitally via RS485 or Modbus inputs.

Multiple safety functions include protection against temperature, overvoltage, undervoltage, motor short circuit, locked rotor, missing start and missing motor phase.

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Image caption

ECF drives from DeltaSense can operate at efficiencies of over 96%.

Notes for editors

DeltaSense is a design and distribution company focused on AC and EC variable speed drives, sensing solutions and building control products. Its speciality is simple-to-operate, high IP rating drives and custom drive modules for OEM applications. Its sensing and building control technology includes humidity, temperature, pressure, CO2 and air velocity devices.

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