

Press Release

ECOsine® – new high power filter modules for system integration

The Schaffner Group further broadens its product offering of solutions for the improvement of power quality. The popular passive harmonic filters *ECOsine*® are now also available as open frame modules with extended power rating up to 400kW/50Hz and 500HP/60Hz.

With the introduction of the new modular high power filters, Schaffner, the international leader in the fields of electromagnetic compatibility and power quality, is further expanding its product offering of harmonics mitigation solutions. By utilizing the new filter modules, every high-power AC or DC motor drive can be easily upgraded to a low harmonic drive.

The new modular filter concept specifically targets the requirements of integrators and their challenge of fitting a considerable amount of electrical equipment into tight motor control centers and electrical cabinets. The chokes module is designed for easy placement at the bottom of the cabinet, while the capacitor and RC-damper modules can be placed wherever cabinet space is available.

The new filters are greatly cost effective as they don't need a dedicated expensive enclosure. The compact Schaffner solution can conveniently be incorporated into the customer's own cabinet, allowing the filter components to be wired along with the overall electrical wiring job and to be cooled by jointly utilizing the overall cooling concept.

The modular high-power *ECOsine*® filters come in two versions: FN3410 filters for 380-500V, 50Hz grids, available with standard ratings from 200 to 400kW. And FN3412 filters for 380-480V, 60Hz grids, available for power ratings from 300 to 500HP. Filter modules are UL-recognized, CE-marked and RoHS compliant. They are particularly suitable for applications involving variable speed drives with DC-link chokes, where the total harmonic distortion (THD) of the load current must be reduced to ~5%. Other applications include high power battery chargers, UPS, three-phase power supplies and other equipment with balanced 6-pulse rectifier front-end.

For further information, please visit www.myecosine.com or get in touch with your local Schaffner sales point or Schaffner partner for individual support.

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Schaffner – energy efficiency and reliability.

The Schaffner Group is the international leader in the development and production of solutions which ensure the efficient and reliable operation of electronic systems. The Group's broad range of products and services includes EMC/EMI components, harmonic filters and magnetic components as well as the development and implementation of customized solutions. Schaffner components are deployed in energy-efficient drive systems and electronic motor controls, in wind power and photovoltaic systems, rail technology, machine tools and robotics as well as power supplies for numerous electronic devices in sectors such as medical technology or telecommunications. Schaffner provides on-site service to customers around the world through an efficient, global organization and makes ongoing investments in research, development, production and sales to systematically expand its position as leader on the international market.