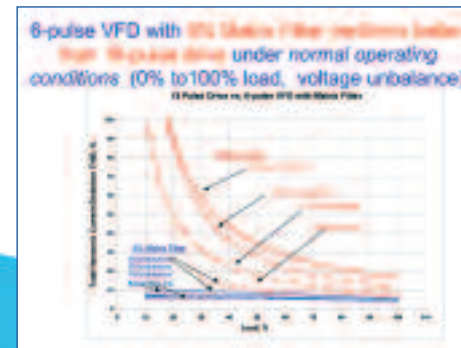


## Matrix™ Passive Harmonic Filter

- Low pass filter - Eliminates issues associated with notch/tuned filters
- When used with a 6 pulse drive the Matrix filter outperforms 12 or 18 pulse drives
- Reduces total harmonic distortion to guaranteed levels at all loads
- Requires less investigation and virtually no commissioning
- Applications include AC/DC Variable Speed Drives, UPS, 3-Phase Power Supplies, Any 6-pulse rectifier
- Available with ratings from 200VAC to 690VAC 50/60Hz 6 - 786 Amps
- Available with automatic capacitor disconnect and filter bypass options



### Stocking distributor

Silverteam Ltd  
Unit 14 Brinell Way  
Great Yarmouth  
Norfolk  
NR31 0LU

**Tele:** +44 (0)1493 669879

**Fax:** +44 (0)1493 669647

**Web:** [www.silverteam.co.uk](http://www.silverteam.co.uk)



### Sole European Agent

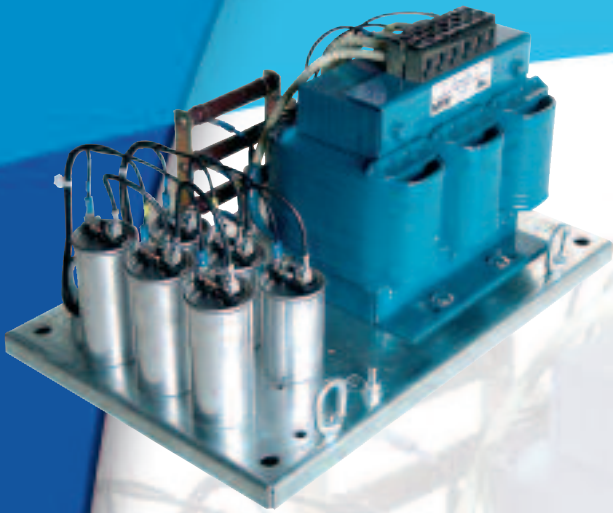
Deltron Emcon Limited  
Deltron Emcon House  
Hargreaves Way  
Sawcliffe Industrial Park  
Scunthorpe  
North Lincolnshire  
DN15 8RF

**Tele:** +44 (0)1724 273200

**Fax:** +44 (0)1724 270230

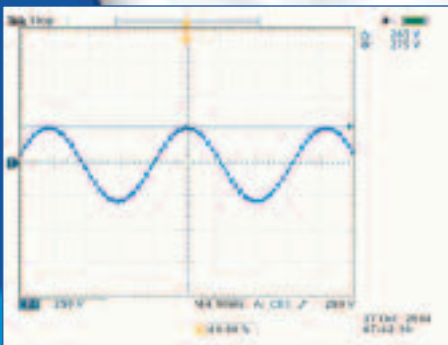
**E-mail:** [sales@deltron-emcon.com](mailto:sales@deltron-emcon.com)

**Web:** [www.deltron-emcon.com](http://www.deltron-emcon.com)

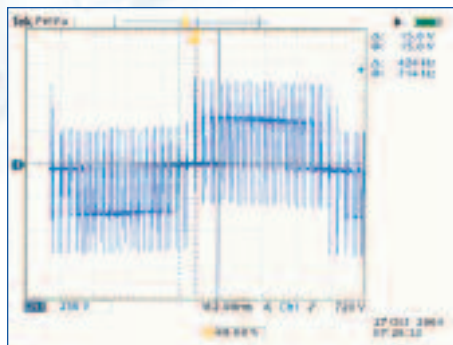


## Sine Wave Motor Protection Filter

- Provide sine wave output voltage from PWM inverters
- Can be used with PWM switching speeds from 2kHz to 8kHz  
200VAC to 600VAC  
2 - 720 Amps
- Eliminate motor insulation failures
- Enable the use of very long cable runs - up to 5000m
- Drastically reduces motor audible noise
- Can be used in situations where inverters are used to supply the utility distribution system through a step up transformer



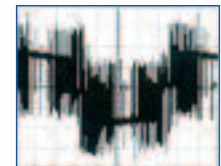
Inverter Output with Sine Wave Filter



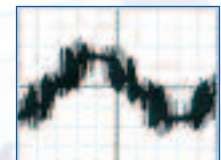
Inverter Output Unfiltered

## Guard-AC Line/Load Reactors

- Virtually eliminate nuisance tripping
- Reduce output dV/dt
- Extend semiconductor life
- Reduce harmonic distortion
- Reduce surge currents
- Reduce motor temp
- Reduce motor audible noise
- Help meet IEE519 or EN61000-3-4



Without Reactor



With 5% Impedance Reactor