



VFD Output LC Sine-Wave Filter



General Data

Rated Voltage V_R	: 3 X 400V _{L-L}
Rated Current I_R	: 20A to 500A
Conductor.	: CU-Litz / Thin Alu Foil
Motor frequency	: 50/60 Hz
Switching frequency	: 2kHz - 8kHz
Capacitor Bank	: EPCOS / VISHAY (Δ Connected)
Max. Ambient Temp	: 50° C
Insulation Class	: Class F / H

Features and Benefits

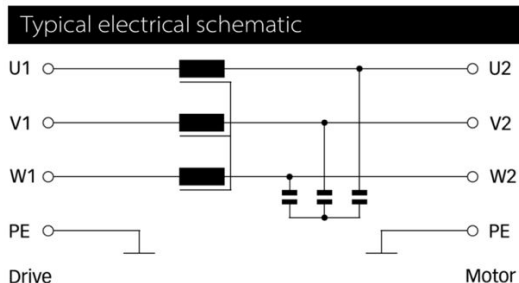
Eliminate high dv/dt stress on motor winding
Convert rectangular PWM voltage into smooth sinewave
Extend Motor cable length capability
Reduces the core losses inside motor
Increase motor life
Reduce motor audible noise



Application

- HVAC / Pump Application
- Motor drive with long motor cable
- Motor drive with multiple motors in parallel

Electrical Schematic



Certifications

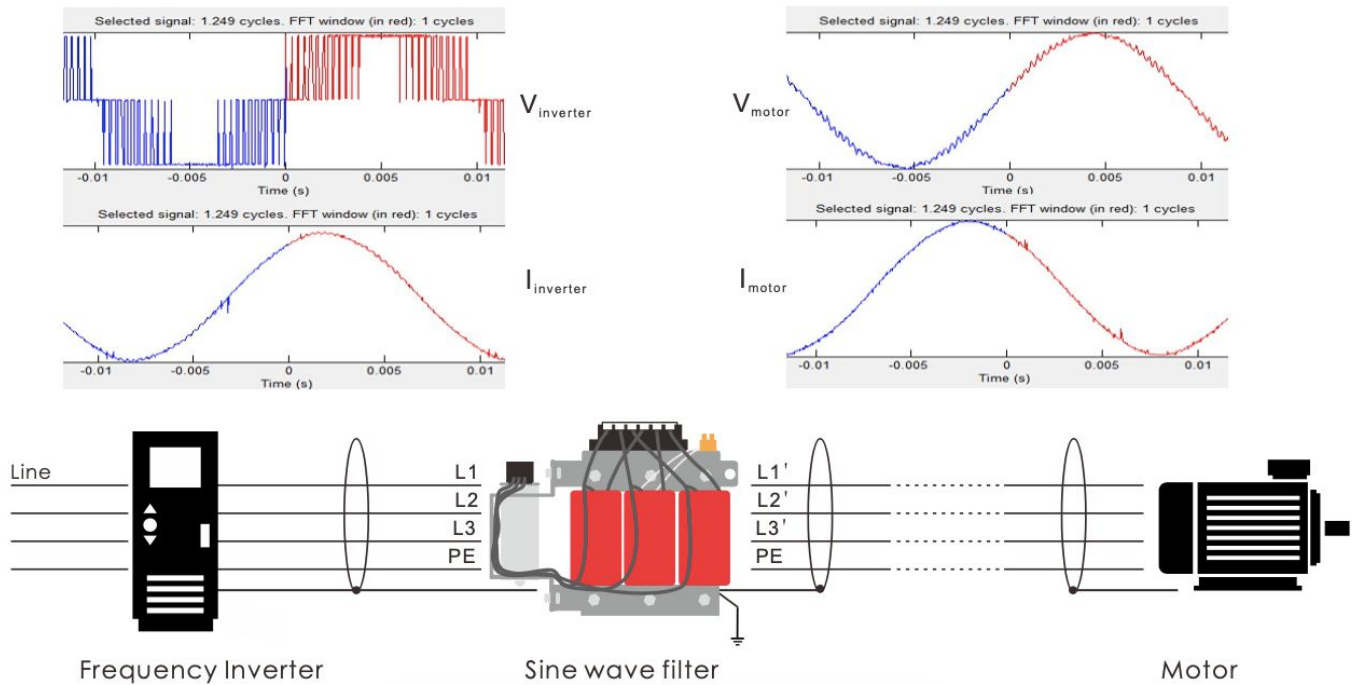


2014/35/EU – Low Voltage Directive



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Block Diagram



Application

