

# 正弦波滤波器

## Sinus Filter

### 产品简述 (Product Profile)

将电动机的 PWM 输出信号转化为低剩余纹波电压的光滑正弦波，防止对电机的绕组绝缘造成损害。减少了因电缆线长而出现的分布电容和分布电感产生共振的现象；消除高  $dv/dt$  而造成的电机过电压；消除涡流损耗造成的电动机提前损坏；滤波器降低了电动机的可听噪音。

Brief description: Conversion of the PWM output signal of motor drives into a smooth sine wave with low residual ripple, avoiding the motor insulation damage. Reduce the resonance phenomenon because of distributed capacitance and inductance because of the long cable; Eliminate the excessive motor voltage caused by high  $dv/dt$ ; Eliminate motor damage caused by eddy loss; Reduce noise of motor by filter application.

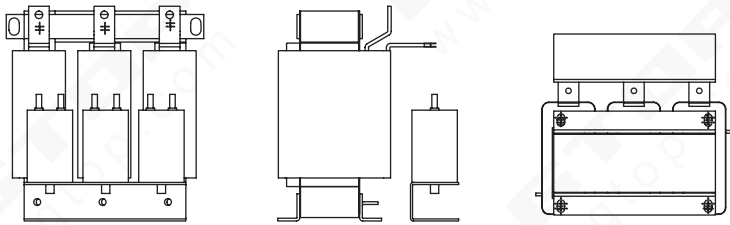


### 产品特点 (Product Features)

采用了高性能的箔式绕组结构，铝排引出，具有直流电阻小，抗电磁力能力强，短时间过载能力强；采用高性能的H级绝缘材料，使产品在严酷的工作条件下依然可以保持可靠的性能；电抗器绝缘强度高，能承受极高的 $Dv/dt$ 的电压冲击。电抗器采用真空压力浸渍工艺，可听噪音小。

Coiled with foil winding structure, aluminium leading, DC resistance value is small, the resistance to electromagnetic force is strong and with good overload ability in short time; H class or high insulation material is used, which make the products maintain reliable performance in harsh working conditions; High insulation ability can sustain high  $Dv/dt$  voltage impulse to the reactor; VPI process make the humming noise is low.

### 产品外形图 (Product Outline)



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