

TFS-T Motor-Side Filters (Revision 4)

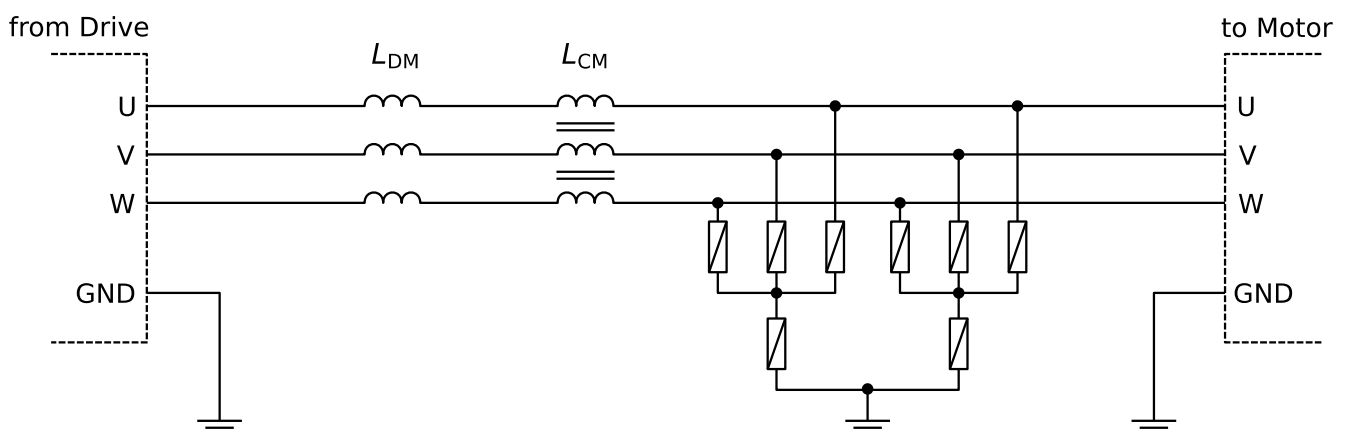
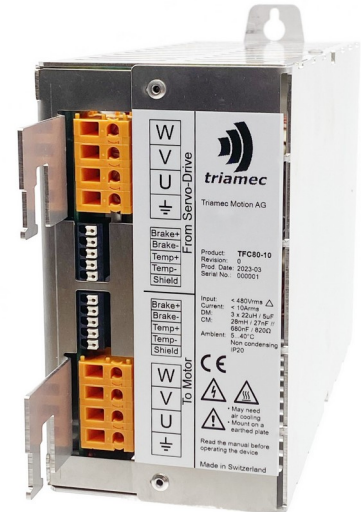
Combined common-mode and sinus filtering for spindle motors

Motor-side filters of the T-series are single-axis filters with combined common-mode and sinus filter stages.

Common-mode filters are designed to suppress common-mode voltage spikes, protecting motor bearings and tools from electro-erosion. Furthermore, the suppression of common-mode fluctuations reduces electromagnetic interference, which is key to achieving highest EMC standards.

Additionally, the sinus filter stage attenuates PWM switching effects in the differential-mode, which helps to protect sensitive motors. T-series filters are optimized for low-inductance motors, such as spindles. For high-inductance motors, please refer to the C-series.

These filters are designed for operation at PWM frequencies between 50 and 100 kHz.



	TFS-T-80-15-50	TFS-T-130-15-50	TFS-T-350-15-50	TFS-T-700-10-50	Units
Max Voltage	80+10%	130+10%	350+10%	700+10%	V _{dc}
Continuous Current	15	15	15	10	A _{rms}
Min PWM Frequency	50				kHz
Dimensions W×H×D	83 × 175 × 250				mm
Weight	2.90				kg

Subject to change without notice.

**Datasheet
TFS-T**

**Redefining
Motion
Control**



Triamec Motion AG
Lindenstrasse 16
CH-6340 Baar
Switzerland

Tel. +41-41-747 4040
info@triamec.com
www.triamec.com