AQ TRAFOTEK
CAST RESIN
TRANSFORMERS

MAXIMIZING PERFORMANCE | MINIMIZING SPACE

AQ Trafotek

FOCUS ON **STRENGTH**

Designed for marine duty applications | Durable construction
Qualified to perform in the most severe conditions | Classifications: E2, C2, F1

FOCUS ON **SIZE**

Small footprint | Optimized core construction
Intelligent structural solutions | Efficient cooling system

FOCUS ON **EASE OF INSTALLATION**

Fully dismountable housing | All main connections in one location
Normally just one external Auxiliary Connection Box (IP55)

AQ TRAFOTEK **CAST RESIN** TRANSFORMERS

ENVIRONMENTAL **E2**

CLIMATIC CLASS **C2**

FIRE CLASS **F1**

Power range	630 kVA - 12,5 MVA
Core technology	45° step lap, M5, painted
Voltage classes kV, HV side	Um 3,6 / 7,2 / 12 / 17,5 kV
Voltage classes kV, LV side	Um 1,1 / 3,6 / 7,2 kV
Insulation technology, HV side	Cast Resin, Insulation class F/155°C
Insulation technology, LV side	Prepreg (VPI on request), Insulation class H/180°C

Winding Material, HV	HV: Al foil (Cu on request)
Winding Material, LV	LV: Al foil (Cu on request)
Solutions for frequency converters	2/3/4/5-winding transformers with 3,75/7,5/10/11,25/15/20/22,5° phase shift winding on primary side
Cooling solutions	AN, AN/AF, AFWF

AUXILIARIES FOR TRANSFORMERS

- **Voltage tappings for windings**
- **Earthed copper screen between windings**
- **Stand still heating**
- **Pt-100 (3-wire) temperature sensors for windings and core**
- **Air and water temperature sensors for AFWF transformers**
- **Local temperature display with alarm / trip / sensors fault / 4...20 mA analog output functions**
- **Anti-vibration dampers and bi-directional castors**
- **Air flow detectors for transformers with forced cooling**
- **Integrated pre-magnetizing transformer with control unit**
- **Starter unit for the fan motors (transformers with forced cooling)**
- **Thermal inspection windows**
- **Surge arrestors**
- **Integrated fuses, current transformers**
- **Other custom-made solutions**

AQ Trafotek transformers are made to meet customer requirements in demanding applications. We are focused on manufacturing transformers for different types of frequency converters and special applications. Our transformer product range spans from 1 kVA low voltage transformers up to 12,5 MVA cast resin transformers and voltages up to 17,5 kV.

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