

# ***ABS Certified Marine-Duty Transformers***

Proudly Manufactured in the United States  
Medium Voltage and Low Voltage  
Dry-Type Transformers for Marine,  
Petro-Chem and Offshore Applications



**Commercial and Military Ship Applications**

- **Type FH, 600 VAC, Single-Phase and Three-Phase Transformers**
  - *Distribution*
  - *Motor Drive Isolation*
  - *12-24 Pulse Source for Rectification Circuits*
- **Medium Voltage Dry-Type Transformers, 5-15 kV, BIL Ratings 30-95 kV**
  - *Unit Substation*
  - *Rectifier Applications*
  - *High Voltage General Purpose*



**Off and Near Shore Applications**

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## ***Medium Voltage and Low Voltage Dry-Type Transformers for Marine, Petro-Chem and Offshore Applications***

The harsh marine environments found onboard commercial and military ships, offshore oil rigs and near-shore operations require Federal Pacific's ABS Certified Type Approved Dry-Type Transformers.

For more than 36 years, Federal Pacific has been designing and manufacturing transformers and substations for use throughout the world in some of the harshest environments, underground and above ground. The ABS Type Approved Dry-

Type Transformer is a product of the same ISO 9001-2000 manufacturing facility and staff of experienced engineers. ABS Certification parallels Federal Pacific's UL® Certification for Low Voltage and Medium Voltage Transformers. Federal Pacific's Medium Voltage Transformers are currently installed aboard commercial and military ships, in shipyards, critical industrial locations and in underground mining operations covering a wide spectrum of severe environments.

<b>Technical Specifications</b>	
kVA	Up to 7500
Primary Voltage	600 to 15,000
Secondary Voltage	Up to 15,000
Primary BIL	10 kV to 95 kV
Winding Material	Copper or Aluminum
Insulation System	220° C
Winding Temperature Rise	80° C, 115° C, 150° C,
Minimum Ambient Temperature	-40° C
Operation Environment	2005 Steel Vessel Rules 1-1-4/3.7; 4-8-2/3.7.2 & 5.1.2; 4-8-3/7; 4-8-5/3.7.5 & 5.17.10; 2001 MODU Rules 4-3-4/9



**2500 KVA, Three Phase, 60 Hz ABS Certified Transformer, 6600-Volt Delta Copper Primary - 480 Volt Delta Copper Secondary With Custom Primary Take-Off, Custom Base Designed for Installation on Customer Platform and Door Mounted Heater Controls.**