50 VA to 25 kVA

Applications
- For general loads, indoors or out, including lighting, industrial and commercial applications
- Units may be banked for 3-Phase operations
- For transformers to use with submersible fixtures, see page 7-5

Specifications
- NEMA3R-rated enclosures
- 60 Hz operation
- Aluminum windings
- 95°C temperature rise for 0.5 to 1 kVA
  135°C temperature rise for 1.5 to 25 kVA
- Encapsulated with electrical grade resin
- Heat-cured ASA-61 gray powder coat finish
- Cores of high quality electrical steel
- Primary taps on some models

Features, Functions, Benefits
- Large connection compartment with knockouts for ease of wiring and installation
- Slotted mounting holes for quick and easy mounting
- Lifting hooks above 5 kVA
- Wall mount design through 25 kVA
- Many sizes in stock and available for immediate shipment
- Quiet operation for installation flexibility
- Seismic qualification certification for all units

Standards
- Built in accordance with NEMA, ANSI, UL and CSA standards
- International units are CE Marked

Options and Accessories
- 50/60 Hz optional
- Other sizes, voltages and temperature rises available
- Copper windings
- CE Marked units available as custom
- Class I Div 2 units available

Approvals
- UL
- UL
- SR
**Enclosure Figures**

**Figure 2**

**Figure 3**

**Figure 4**

---

**Model Numbers Defined**

411-TXXY-ABC

- Single-Phase, Encapsulated
  - Wall Mount
  - Standard 411
  - International 511

- **Type**
  - Updated style 1
  - Class I, Div 2 2

- **kVA Rating / XX**
  - 0.5 05 6.0 12
  - 0.75 06 7.5 13
  - 1.0 07 9.0 14
  - 1.5 08 10.0 15
  - 2.0 09 15.0 16
  - 3.0 10 20.0 17
  - 5.0 11 25.0 18

- **Primary**
  - 120x240 120/240 1
  - 208 120/240 2
  - 240x480 120/240 3
  - 277 120/240 4
  - 600 120/240 5
  - Specials* 6
  - 480 120/240 7

- **Temperature Rise, Shields**
  - 135°C Rise*, no shield 0
  - 135°C Rise*, with shield 1
  - 95°C Rise*, no shield 2
  - 95°C Rise*, with shield 3
  - 80°C Rise*, no shield 4
  - 80°C Rise*, with shield 5
  - 115°C Rise#, no shield 6
  - 115°C Rise#, no shield 7

  * 25°C ambient
  # 40°C ambient

- **Wiring**
  - Default 0
  - Copper 8

- **Taps**
  - No taps 0
  - 2@2.5% FCBN 1
  - 2@2.5% FCAN, 2@2.5 FCBN 2
  - 4@2.5% FCBN 3
  - 2@5% FCBN 4
  - 1@5% FCAN, 1@5% FCBN 5
  - 2@5% FCAN, 4@2.5 FCBN 6

*Suffix defined incrementally

Not all features listed are compatible
### Single-Phase Encapsulated General Purpose Transformers

#### 120 x 240V — 120/240V • Taps: None

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#### 240 x 480V — 120/240V • Taps: None

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#### 240 x 480V — 120/240V • Taps: 2–2.5% FCAN + 2–2.5% FCBN

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See website for additional kVA, copper windings and temperature options.

Housing dimensions subject to change without notice. Consult website or factory where dimensions are critical.

Use the "Find a Product" tool for detailed specification sheets.

For further information, contact an Application Engineer at 800-892-3755, technical_services@jeffersononelectric.com
More wiring diagrams can be found in catalog's appendix, section 15. Use the “Find a Product” tool on our website for detailed specification sheets. For further information, contact an Application Engineer at 800-892-3755, technical_services@jeffersonelectric.com
Pool and Spa Lighting
100-1000 Watts

Applications
- For use with submersible fixtures including swimming pools, water fountains, low voltage circuits near water or other shock hazards
- Transformers themselves are not submersible

Specifications
- NEMA3R-rated enclosures
- 60 Hz operation
- Aluminum windings
- Cores of high quality electrical steel
- Encapsulated with electrical grade resin
- Electrostatic shields
- 12, 13, 14 volt taps to compensate for voltage drop on long electrical runs
- Heat-cured ASA-61 gray powder coat finish

Features, Functions, Benefits
- Resettable power circuit breakers to interrupt if a short or over-voltage occurs
- Wall mount design
- Quiet operation for installation flexibility

Standards
- Built in accordance with NEMA, ANSI, UL and CSA standards

Options and Accessories
- Other sizes, voltages and temperature rises available
- Copper windings
- CE Marked units available as custom

Approvals
- UL
- UL
- CSA
**Enclosure Figure**

*Figure 2*

---

**Wiring Diagram**

*S120A Wiring Diagram & Connections*

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More wiring diagrams can be found in catalog’s appendix, section 15. Use the “Find a Product” tool on our website for detailed specification sheets.

For further information, contact an Application Engineer at 800-892-3755, technical_services@jeffersonelectric.com

---

**Pool & Spa Lighting Transformers**

0.1 - 1 kVA, 135°C Temperature Rise

### 120V — 12/13/14V Encapsulated for submersible fixtures • electrostatic shield

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See website for additional kVA, copper windings and temperature options.

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Use the “Find a Product” tool for detailed specification sheets.

For further information, contact an Application Engineer at 800-892-3755, technical_services@jeffersonelectric.com