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NGR-AC-34.5KV-750A-AN-CU-M3

750 A 3-PH Air Core Neutral Grounding Reactor, 34500Y/19920 Grounded Wye, AN Class, 60 Hz, Copper, Light Grey

Product ID: 316372

Image: NGR-AC-34.5KV-750A-AN-CU-M3

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

NGR-AC-34.5KV-750A-AN-CU-M3 Air Core Neutral Grounding Reactor

Type: Air Core, Dry Type
Phase: Single Phase
Voltage Rating: 34500Y/19920
Voltage Class: 35 kV
BIL: 250 kV
Power Frequency Withstand Voltage Rating: 34 kV
Phase: Three Phase
Continuous Current Rating: 750A
Design Current: 750A
Short Time Current Rating: 25 kA, 3 sec.
Offset Peak Current: 63.8 kA
Rated Power: 563 KVAR
Frequency: 60 Hz
Rated Impedance: 0.9 Ω
Rated Inductance: 2.387 mH
Installation: Outdoor
Winding Material: Copper
Terminal: NEMA 4-hole (top and bottom located 180° apart)
Total Losses (@75°C): 7.5 KW
Knockouts: N/A
Cooling Class: AN (Air-Natural)
Mounting: Aluminum Bottom Pedestal, 26 inches high
Insulation Class: Class F (155°C)
Winding Insulator Material: Epoxy resin

Approvals/Ratings

NRTL listed for United S
NRTL listed for Canada
Meets or Exceeds NEM
Meets or Exceeds ANS
NEMA 3R Indoor/Outdo
Seismic Qualified for Ea
CE Certified
RoHS
UL Listed

Temperature Rise: 80°C

Temperature Range: -40°C to +50°C

Altitude: ≤3,600ft Above Sea Level

Sound Level: Meets NEMA ST-20 Standards, IEC 60076

Enclosure Construction: Epoxy Impregnated, Fiberglass Encapsulated Construction

Finish: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)

Enclosure Dimensions: 48.43" x 87.60"

Weight: 1,202 lbs

Shipping Method: TBD

Shipping Weight: TBD

Shipping Dimensions: TBD

Special Orders - Spec

Contact us for special r

Toll Free: 1-800-369-6

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The NGR-AC-34.5KV-750A-AN-CU-M3 is a three phase reactor generally connected between ground and neutral of transformers or generators in order to control single line-to-ground faults at a desired level. They achieve this by resisting current flow through inductive elements. This unit is used in order to limit line-to-ground fault current to a value which will not damage the equipment in the power system, yet allow sufficient flow of fault current to operate protective relays to clear the fault. If the circuit is balanced, current flow through the reactor will be zero, thus, there will be no losses.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Unit Features: The NGR-AC-34.5KV-750A-AN-CU-M3 is a single phase reactor with a 750 A capacity rating. This reactor is configured with a rated voltage of 34500Y/19920 V AC. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The standard NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This reactor features 155°C insulation with a 80°C temperature rise.

Benefits: The NGR-AC-34.5KV-750A-AN-CU-M3 has a perfect mechanical strength to withstand high short-circuit forces, limited temperature rise enables longer lifetime, special surface protection against UV and pollution Class IV areas, maintenance-free design, low noise levels.

Applications: Reducing single phase to earth fault currents which occur in electrical networks to prevent damages on transformers and generators, reducing temporary over voltages formed by braking instantaneous fault currents, providing long-life for switchgears, and reducing step voltages to a harmless level for personnel.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs