

**PHASE “A” GENERAC CERTIFICATION TRAINING
2008 Enrollment Form**

Seattle: March 10-14 and Sep 8-12

Portland: June 9-13 and Dec 8-12

Phase “A” certification is required for all technicians to perform any Generac warranty or “start-up” procedures.

How to Enroll:

- Call to verify availability (503) 639-0808 (Contact: Martye Haugstad)
- Fax this completed form to Martye Haugstad at (503) 603-1994

Hotel accommodations are the responsibility of the dealer.

Rogers-Portland: Phoenix Inn, 14905 SW Bangy Road, Lake Oswego, OR (503) 624-7400, at a special negotiated rate of \$74.00 per night (mention Rogers)

Rogers-Seattle: Doubletree/Red Lion Southcenter (206) 777-3395 or Doubletree at the Airport (206) 246-8600

Course Fee:

Fee is \$700.00 and includes instruction, daily lunch/snacks, and Generac Phase A training kit (\$300.00 value).

Purchase Order _____ Or Credit card: Visa, M/C or AmEx (circle one)

Credit card number _____ Exp. _____

VIN _____ Name on card _____

Company _____ Phone _____

Address _____ Fax _____

City _____ State _____ Zip _____

Email address: _____

Attendees:

1. _____ 2. _____

It is required for attendees to bring a laptop computer with 9-pin serial port and “Gen-Link” software installed. Also, Generac now requires passing a pre-qualification test prior to attendance (call Rogers for this information).

“Phase A” Generac Factory Certification

Course Prerequisite: [Satisfactory completion of Pre-Qualification Basic Electricity Test](#), Call (503) 639-0808, x-976

TRAINING INCLUDES

- Electrical Fundamentals The How, Why, Where, When and Because
- Generator Fundamentals Brush Type, Brushless, PMG, Voltage Regulation, Voltage Codes, Wiring, Circuit Breakers, Shunt Trip
- Operation of Generac control panels – hands-on “E” & “H” panels
- Fuel System Fundamentals Natural Gas, Liquid Propane Liquid, Liquid/Vapor Diesel
- Governor Fundamentals Mechanical and Isochronous (electronic)
- Transfer Switch Fundamentals 100-2600 Amp, Y, W, WN Style and Associated Controls
- Remote Panels Fundamentals 18 Light Enunciator, 20 Enunciators, Remote Relay Panels
- Gen-Link Fundamentals
- Hands-on Adjustments and Calibrations:
 - Generator Controllers – C,D,E Option panels, Voltage regulators
 - Transfer Switch Controllers – In-phase Logic PCB, Utility Voltage Sensing PCB, 7-day Exerciser PCB
 - Engine Functions – Electronic & Mechanical Governors, Gaseous & Diesel Fuel Systems
- Maintenance Time frames, Parts, Contracts
- Start-up Inspection and Forms – Perform and “walk through” start –up and complete appropriate forms
- Installation:
 - Placement – Distance, safety, noise, etc.
 - Fuel – Proper volume, pressure, piping, etc.
 - Wiring – Control, output, remote panels, battery charger, block heater, options

SIZING

- Non-linear loads – the effects of non-linear loads and how to size the unit accordingly
- Motor loads – the effects of “Motor Starting,” “Locked Rotor Amps,” “SKVA” and how to size the unit to deal with this

- Standby/Prime Power Service CD – How, when and why to use it
- Complete product line – the complete Generac product line will be introduced
- Warranty – Policies and procedures, How to properly complete a form. What needs a control number?

KIT INCLUDES:

- Training Manual, Reference Manual, 2 CD’s (parts & diagnostics)
- Manometer for testing gas pressure; Training video