energylogic

NuEra
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Furnace Installation & Startup Checklist

Customer Name: _____ **Date of Installation:** _____

Installing Company: _____ **Technician:** _____

☐ Model EL-140H ☐ Model EL-200H ☐ Model EL-340H
☐ Complete System (w/ EnergyLogic Tank) ☐ Regular System

Serial Number: _____

Building Inspection	Measurement	Specification
Is building insulated	Y N	
Secondary backup heat source	Y N	
Interior tank capacity		
Make up air	Y N	Necessary if an exhaust fan is operational
Total sq. ft. of space (approx)		

Set-up & Assembly	Measurement	Specification
Furnace to floor distance		For regular systems only - using non-EnergyLogic tank
Fuel pump to Furnace distance		For regular systems only - using non-EnergyLogic tank
Fuel tank to Furnace distance		For regular systems only - using non-EnergyLogic tank

Fuel System	Measurement	Specification
Fuel Tubing Length (pressure)	H= V=	Fuel pump to preheater. H=Horizontal/V=Vertical
Fuel Tubing Length (suction)		Vertical length of pickup if a non-EnergyLogic tank
Pressure Gauge (fuel pump)		0 to 12 PSI
Vacuum Gauge (fuel pump)		0"-1" Hg - Complete System/3"-5" Hg - Regular System
Fuel Tank level	E 1/2 F	
Pipe sealant used	Y N	Do not use teflon tape - all pipe fittings including gauges
Leak check	Y N	
Pickup Filter used	Y N	For Regular Systems only - using non-EnergyLogic tank
Fuel Pickup location	Y N	At least 6" from bottom, for Regular Systems only
Vacuum Test	Y N	Pump pulls down and holds at 25" Hg
Spin-Up Test	Y N	Pump spins up to 55 PSI within 1 second

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Electrical Components	Measurement	Specification
Wall Thermostat location	Wall	Do not mount on furnace or supports
Fan Shipping Bracket removed	Y N	
20 Amp Circuit Breaker	Y N	Dedicated power supply - 25 Amp Max per UL Standard
Fan & Limit Control Reading (cold)		Arrow on room temperature

Flue Set-up	Measurement	Specification
Max. 45 degree elbow	Y N	No more than 45 degress from vertical
4' above roof - recommended	Y N	Extend 4' above roof within 20' of structures
Rain/Wind Cap present on Flue	Y N	
Double walled	Y N	Double walled at point through ceiling
Barometric Dampener open	Y N	Should be open slightly

Combustion	Measurement	Specification
CO_2		Between 9% and 11%
Air Shutter setting		Model 140: 5 Model 200: 7 Model 340: 4
Draft Gauge zero		Remove probe from stack to zero gauge
Draft in flue stack		+ 0.05" Water Column
Smoke Spot		Zero to Two
Ohm Reading		250 to 500 ohms at cad cell
Duct Static DP		Max. 0.28" (N/A for systems without ducts)
Stack Temperature		Record for monitoring only
Overfire Pressure		Less than +0.02" Water Column
Ten & Ten Light-Off Test		Was Light-Off instantaneous each time?

Customer Sign-off

Received Manual	Y N	
Maintenance overview	Y N	
Warranty overview	Y N	
Service contact	Y N	Does customer know who to contact for service?

Customer Name (printed): _____ **Date:** _____

Customer Acceptance Signature: _____