

Electric Heat Inspection Form

Revised September 2012

INDIANA COMMUNITY ACTION ASSOCIATION				Audit D	ate:	
Taking Action. Improving Lives.	Existing furn			w Furnace [
		Job/Client I		Client/Job nur	mhore	
Client name:				Phone:	Home:	
					Work:	
Address:					Cell:	
Equipmen	t Information					<u> </u>
Primary Heat Source:	leat Pump	Electric fu	rnace	Baseboard [Cable cei	iling
Auxiliary Heat Electric	Gas	o	il	Oth	er:	
If th	ere are gas or	oil applianc	es, include ap	propriate for	ms	
Application: Up flow	Down flo	ow Ho	rizontal	Site-bu	ilt M	lobile home
Heat Pump Information:						
Make:			Model:			
Serial:			Btuh:		¥.	
Furnace Information:						
Make:		:	Model:			
Serial:			Btuh/Kw:			
Coil Information(if coil is se	parate from fu	rnace, e.g	heat pump w	ith gas or oil f	urnace)	
Make:			Model:	2		
Serial:						
Electric Fo	urnace Inspect	ion		Aud NA	ditor Te	ech Final
Service disconnect/breaker i	in unit, or with	in reach of u	unit			
Breakers/fuses correct size						
Conductor(s) correct size						
Terminals/connections tight	and good con	dition				
Wiring dark, discolored or b	urnt					
Unit properly grounded						
All elements operational						
Sequencer/heat relay/board		perly				
All elements on for 5 minute	es					\perp
Blower on with first elemen	t, off with or a	fter last				ШШ
Element Amperage:	Auditor:	E1:	E2:	E3:	E4:	E5:
	Tech:	E1:	E2:	E3:	E4:	E5:
	Final:	E1:	E2:	E3:	E4:	E5:

Airflow Calculation

CFM = Btuh output ÷ (temperature difference x 1.08)

Final airflow cfm must be calculated <u>after</u> duct sealing is performed

	Insp	pection 1	echnician		Final	
Total amps of eleme	ents:	amps	amps	į		amps
Voltage applied:		volts	volts			volts
Multiply volts and a	mps	watts	watts	;	0	
Multiply watts x	3.413	Btuh	Btuh			— Btuh
Supply air temperat	:ure:	°F	°F			°F
Return air tempera	ture:					— °F
Temperature rise	-			-		 °F
Temp rise x 1.08	-	°F	°F			°F
Divide Btuh output adjusted temp	rise	cfm irflow for heat pump sys	cfm stem 400 cfm per to	on		cfm
Blower, Co	oil, Ducts and Elec	tric Water Heater	Ai NA	uditor Y N	Tech Y N	Final Y
	ted and user friend	dly			+	H
Filter clean, supported and user friendly Coil and condensate drain pan clean						H
Secondary drain pan installed if above finished ceiling				H		H
Condensate drain trapped and terminated properly						H
Ducts outside thermal/pressure boundary sealed						
Ducts outside thermal/pressure boundary insulated						Ħ
Water heater level and free of leaks						
T & P correct and properly piped						
Water temperature set to 120 °F or less						
Record water temp	erature		°F		°F	°F
Baseb	oard and Ceiling (Cable Heat	Aı	uditor	Tech	Final
			NA	YN	Y N	Υ
All base board heaters and ceiling cable heaters operational						
All base board heaters clean and free of obstructions						
All base board covers in place						
Properly sized breaker panel and circuit breakers						

Heat Pump Inspection	Auditor	Tech Final			
		NA Y N	YNY		
Heat pump level and elevated above snow	grade				
Entire vapor line insulated					
Outdoor coil clean					
Terminals, connections, wiring tight and go					
Crankcase heater or trickle circuit functiona					
System wired to stage auxiliary heat correc	tly				
Reversing valve operational					
Outdoor metering device Expansio	estrictor Refrigera	nt: R410A			
Indoor metering device Expansio	n valveFixed r	estrictor	R22		
	Heat Pump Operation	n			
Only EPA Section 608 CFC certified	technicians are per	mitted to attach gauge	s to systems		
System tested in heating or cooling?	Heat AC	Heat AC	Heat AC		
Outdoor temperature	°F	°F	°F		
High pressure	Inspection	Technician	Final		
Liquid line pressure	N/Apsig	psig	N/A psig		
Saturation temperature	N/A°F	°F	N/A°F		
Liquid line temperature	N/A °F	°F	N/A°F		
Calculated subcooling	N/A°F	°F	N/A°F		
Required subcooling NA	N/A °F	°F	N/A°F		
Low pressure					
Suction pressure	N/Apsig	psig	N/Apsig		
Saturation temperature	N/A °F	°F	N/A°F		
Suction line temperature	N/A °F	°F	N/A°F		
Calculated superheat	N/A°F	°F	N/A°F		
Required superheat NA	N/A°F	°F	N/A°F		
Inc	door air temperatures	5			
Dry bulb return air	°F	°F	°F		
Wet bulb r/a (superheat charging)	AN/A°F	°F	N/A°F		
Supply air temperature	°F	°F	°F		
Temperature rise or drop(dry bulb)	°F	°F	°F		
		Auditor	Tech Final		
If in booking woods weeks foots as should	an a sifi sation a	NA Y N	YNY		
If in heating mode, meets factory charging					
Meets expected indoor temp rise ± 2°F: (ODA°F x .33)+ 9°F Meets expected indoor temp drop(14°F to 22°F dry bulb)					
Heat pump indoor temp rise when 32 °I		dd/subtract 1° rise for eve	ry 3°± outside		

Mechanical Work

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		Υ		v [
		Υ		v [
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		Υ	П	v
	8	Υ	\Box	v
		Υ	П	V
Additional Comments:				
audit performed by:	D	ate:		
udit performed by:		ate:		
Mechanical work performed by:	D	ate:		
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