

## Air Source Heat Pump with Gas Back-Up - Check List

Member/Customer Name						
er/Customer Address						
	Model#	Serial #				
actor Name	1	Service	Date	e Gas Furnace (Btu/hr)		
I -	· -	an expla	nation. (F	or exa	ample, "No	
Check air filter and change if required.						
Check relays and contactors and for loos	se electrical connections.					
Calibrate thermostats.						
Clean outdoor coil.						
Check outdoor fan for proper operation	, or damage, and lubricate as required.					
Clean Indoor coil.						
Check drain pan and trap for blockage o	or leaks. Flush the condensate drain.					
Check blower assembly for proper opera	ation, or damage, and lubricate as requ	ired.				
Check static air pressure and record.					in. WC	
Check air supply temperature in heating temperature difference.	g mode and record. Calculate supply – r	eturn		°F	Sup-Ret Δ°F	
Check air return temperature in heating manufacturer specifications.	mode and record. Compare temperatu	ıre differenc	e to	°F	Mfg. Spec. Δ °F	
Check air supply temperature in cooling temperature difference.	mode and record. Calculate supply – re	eturn		°F	Sup-Ret Δ °F	
Check air return temperature in cooling manufacturer specifications.	mode and record. Compare temperatu	re differenc	e to	°F	Mfg. Spec. Δ °F	
Compare static pressure and temperatures to manufacturer specifications and adjust blower speed settings if required and record final pressure and temperatures.						
If air temperature deltas are not per manufacturer specifications, measure refrigerant levels and charge as required. Recheck and record temperatures if charged.						
Measure compressor volts and record. O	Compare to manufacturer specifications	S.		Volts	Mfg. Spec. Volts	
Measure compressor amps and record.	Compare to manufacturer specification	ıs.		Amps	Mfg. Spec. Amps	
Inspect heat exchanger.						
Check and clean pilot light or igniter, fla	me sensor and gas valves.					
Check operation of the safety limit switch	ch.					
	er/Customer Address  If any item cannot be checked temperature/pressure Pete's  Check air filter and change if required.  Check relays and contactors and for lood Calibrate thermostats.  Clean outdoor coil.  Check outdoor fan for proper operation Clean Indoor coil.  Check drain pan and trap for blockage of Check blower assembly for proper operation Check air supply temperature in heating temperature difference.  Check air return temperature in heating manufacturer specifications.  Check air return temperature in cooling temperature difference.  Check air return temperature in cooling manufacturer specifications.  Compare static pressure and temperature pressure and temperature deltas are not per matemperatures if charged.  Measure compressor volts and record.  Inspect heat exchanger.  Check and clean pilot light or igniter, flater temperature contents of the cooling and temperature.  Check and clean pilot light or igniter, flater temperature contents of the cooling and temperature.	If any item cannot be checked or recorded, please provide temperature/pressure Pete's plugs in loop piping.")  Check air filter and change if required.  Check relays and contactors and for loose electrical connections.  Calibrate thermostats.  Clean outdoor coil.  Check outdoor fan for proper operation, or damage, and lubricate as required.  Clean Indoor coil.  Check drain pan and trap for blockage or leaks. Flush the condensate drain.  Check blower assembly for proper operation, or damage, and lubricate as required.  Check static air pressure and record.  Check air supply temperature in heating mode and record. Calculate supply—remperature difference.  Check air return temperature in heating mode and record. Compare temperature manufacturer specifications.  Check air return temperature in cooling mode and record. Compare temperature difference.  Check air return temperature in cooling mode and record. Compare temperature difference.  Check air return temperature in cooling mode and record. Compare temperature and temperature difference.  Check air return temperature in cooling mode and record. Compare temperature difference.  Check air return temperature in cooling mode and record. Compare temperature and temperatures to manufacturer specifications and pressure and temperatures to manufacturer specifications, measure refrequence and temperatures if charged.  Measure compressor volts and record. Compare to manufacturer specification.	If any item cannot be checked or recorded, please provide an explatemperature/pressure Pete's plugs in loop piping.")  Check air filter and change if required.  Check relays and contactors and for loose electrical connections.  Calibrate thermostats.  Clean outdoor coil.  Check outdoor fan for proper operation, or damage, and lubricate as required.  Clean Indoor coil.  Check drain pan and trap for blockage or leaks. Flush the condensate drain.  Check blower assembly for proper operation, or damage, and lubricate as required.  Check static air pressure and record.  Check air supply temperature in heating mode and record. Calculate supply – return temperature difference.  Check air return temperature in heating mode and record. Compare temperature difference manufacturer specifications.  Check air supply temperature in cooling mode and record. Calculate supply – return temperature difference.  Check air supply temperature in cooling mode and record. Compare temperature difference manufacturer specifications.  Check air return temperature in cooling mode and record. Compare temperature difference manufacturer specifications.  Compare static pressure and temperatures to manufacturer specifications and adjust blow pressure and temperatures.  If air temperature deltas are not per manufacturer specifications, measure refrigerant level temperatures if charged.  Measure compressor volts and record. Compare to manufacturer specifications.  Measure compressor amps and record. Compare to manufacturer specifications.  Inspect heat exchanger.	Model # Service Date  If any item cannot be checked or recorded, please provide an explanation. (F temperature/pressure Pete's plugs in loop piping.")  Check air filter and change if required.  Check relays and contactors and for loose electrical connections.  Calibrate thermostats.  Clean outdoor coil.  Check outdoor fan for proper operation, or damage, and lubricate as required.  Clean Indoor coil.  Check drain pan and trap for blockage or leaks. Flush the condensate drain.  Check blower assembly for proper operation, or damage, and lubricate as required.  Check air supply temperature in heating mode and record. Calculate supply – return temperature difference.  Check air return temperature in heating mode and record. Compare temperature difference to manufacturer specifications.  Check air supply temperature in cooling mode and record. Compare temperature difference to manufacturer specifications.  Compare static pressure and temperatures to manufacturer specifications and adjust blower speed setti pressure and temperatures.  If air temperature deltas are not per manufacturer specifications, measure refrigerant levels and charge temperatures if charged.  Measure compressor volts and record. Compare to manufacturer specifications.  Measure compressor amps and record. Compare to manufacturer specifications.  Inspect heat exchanger.  Check and clean pilot light or igniter, flame sensor and gas valves.	Model # Serial #  If any item cannot be checked or recorded, please provide an explanation. (For exitemperature/pressure Pete's plugs in loop piping.")  Check air filter and change if required.  Check relays and contactors and for loose electrical connections.  Calibrate thermostats.  Clean outdoor coil.  Check outdoor fan for proper operation, or damage, and lubricate as required.  Clean Indoor coil.  Check drain pan and trap for blockage or leaks. Flush the condensate drain.  Check blower assembly for proper operation, or damage, and lubricate as required.  Check aftic air pressure and record.  Check air supply temperature in heating mode and record. Calculate supply – return temperature difference.  Check air return temperature in heating mode and record. Calculate supply – return temperature difference.  Check air supply temperature in cooling mode and record. Calculate supply – return temperature difference to manufacturer specifications.  Check air supply temperature in cooling mode and record. Compare temperature difference to manufacturer specifications.  Compare static pressure and temperatures to manufacturer specifications and adjust blower speed settings if repressure and temperatures to manufacturer specifications, measure refrigerant levels and charge as requiremperature difference to manufacturer specifications.  Compare static pressure and temperatures to manufacturer specifications, measure refrigerant levels and charge as requiremperature difference to calculate supply and temperatures of charged.  Measure compressor volts and record. Compare to manufacturer specifications.  Amps  Inspect heat exchanger.	

## Air Source Heat Pump with Gas Back-Up - Check List

Check the gas burner flame and adjust the flame height as required.		
Check back-up gas heat staging.		
Check air supply temperature in back-up heating mode and record. Calculate supply – return temperature difference.	°F	Supply-Return Δ °F
Check air return temperature in in back-up heating mode and record. Compare temperature difference to manufacturer specifications.	°F	Mfg. Spec. Δ °F
Check and record cut-out or switch over temperature if applicable.		
If humidifier, clean, check control and adjust as required.		