

Air Conditioning/Heat Pump Commissioning



Customer name <small>(please print)</small>		Customer signature		Date
Address			Permit #	
<i>Exclusion: The customer hereby understands the combustion process and evaluation of performance of any existing water heaters are not addressed by this commissioning and evaluation procedure under the SELECT HVAC program.</i>				
Company Performing Commissioning				
Technician name <small>(please print)</small>		Technician signature		
Manual J Loads	Heating _____ Btuh	Cooling Sensible _____ Btuh	Cooling Latent _____ Btuh	
Approximate Age of Structure (in years)	Number of stories (above grade)	Basement	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Air Handler Equipment Air Flow Performance				
Manufacturer		Model Number	Location	
Altitude above Sea Level		ECM Blower Motor Present	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Method Used to Measure Air Flow CFM <small>(select one)</small>		<input type="checkbox"/> Flow Grid	<input type="checkbox"/> Manometer & OEM Tables	<input type="checkbox"/> Calibrated Fan
CFM Flow at Low Fan Speed		CFM Flow at High or Single Fan Speed		
Electric Heat Method $(kW \times 3413) + (\text{Temp Rise} \times \text{Sensible Constant}) =$ _____ CFM				<i>(See correction factor/sensible constant table on back)</i>
Measured Supply Air ESP on high speed (IWC)		Measured Return Air ESP on high speed (IWC)		
Factory Rated TESP on high speed (IWC)		Actual Measured TESP on high speed (IWC)		
Airflow across evaporator coil within $\pm 15\%$ of stated OEM product data recommendation		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Original Blower Motor	Voltage _____	Amperage _____	Supply Plenum Static pressure _____	
Replacement Blower Motor	Voltage _____	Amperage _____	Supply Plenum Static pressure _____	
Coil Condition	Filter Type		Filter Location	
Air Conditioning (Allow minimum of ten minutes to reach a steady state of operation)				
Manufacturer		Model Number	Tons	
Indoor Wetbulb Temperature		Indoor Drybulb Temperature	Outdoor Drybulb Temperature	
Factory Rated Superheat (without TXV)		Actual Superheat Measured (without TXV)		
For Superheat method—is charge within ± 5 degrees F. of stated OEM requirement?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Factory Rated Subcooling (with TXV)		Actual Subcooling Measured (with TXV)		
For Subcooling method—is charge within ± 3 degrees F. of stated OEM requirement?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Compressor OEM RLA _____ Amps		Field Recorded Compressor RLA _____ Amps		
<i>Superheat measurement at or above ambient 55 degrees F and Subcooling measurement at or above 60 degrees F.</i>				
Air Source Heat Pump (Allow minimum of ten minutes to reach a steady state of operation) <i>(Charging temperature limitations on back)</i>				
Manufacturer		Model Number	Tons	
Indoor Wetbulb Temperature		Indoor Drybulb Temperature	Outdoor Drybulb Temperature	
Factory Rated Superheat (without TXV)		Actual Superheat Measured (without TXV)		
For Superheat method—is charge within ± 5 degrees F. of stated OEM requirement?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Factory Rated Subcooling (with TVX)		Actual Subcooling Measured (with TXV)		
For Subcooling method—is charge within ± 3 degrees F. of stated OEM requirement?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Factory Rated Subcooling (heating mode)		**Actual Subcooling Measured (heating mode)		
If Dual Fuel HP back-up furnace—switch over temperature		Outside Thermostat Control <input type="checkbox"/> Yes <input type="checkbox"/> No		
Comments				