HVAC Compressor Replacement Checklist



Customer Name	Address				Date			
Outdoor Unit								
Brand System Model #:				System Serial #:				
☐ Straight Cool ☐ Heat Pump ☐ Package Unit ☐ Split ☐ Single Stage ☐ 2 Stage System Size Tons								
Compressor								
Compressor Model #: Compressor Serial #:								
			1	A -!-!	T 43	·		
Refrigerant & Oil Service				Acid Testing Acid Test Type: □ Quick Check □ Mixture Kit				
Refrigerant Type lbs				☐ Sent for Oil Analysis				
Data Tag Shipped With: lbs				Acid Test Result:				
Final Refrigerant Charge: lbs oz				Compressor Oil				
Source: New Refrigerant		Old Compressor Oil Level: ☐ High ☐ Low ☐ Oka Method: ☐ Weighed ☐ Drained & Measured						
☐ Reused Recovered Refrigerant (via filter drier)								
Line Inspection				☐ Magnet Was Used To Clear Suction Line				
Liquid Line Size: Suction Line Size: Approx. Length: ft				☐ Used Foam Pig Through Lines☐ Nitrogen Flown To Check Restrictions				
Strainer Condition:	☐ Nitrogen Flowed During Brazing							
Filter Driers								
Liquid Line Filter Drier: Type:						Qty: 1		
Suction Line Filter Drier:Type:						Qty: 1		
Suction Line Filter Drier Removal Date:								
Accumulator:	Valve Cores: [e Cores: ☐ Replaced with ne			Condensing Coil Cond			
☐ None ☐ Replaced ☐ Re-used, drained oil & inspected ☐ (If plastic, re						Fan Condition		
				m Test:				
Start: psig at °F (Line Temp) End: psig at °F (Line Temp)			Initial Pull-down: microns Held For: minutes					
Held For: minutes			Ending Level: microns					
Electrical Components Disconnect Condition: Amperage:Distar			nce to Pane	ŀ		Replaced with New		
Wire Size (Disconnect):				ting: MFD 380v 440v				
Compressor Plug: ☐ Replaced with new ☐ Reused existing								
Terminal Condition:				Old Cap Condition:				
Crank Case Heater: ☐ New Installed ☐ Reused Existing (Ohms) ☐ None								
Contactor: ☐ Single Pole ☐ Double Pole Status: ☐ Replaced with new ☐ Used existing								
RLA Rating:, Inrush Rating:, Coil Volts:, Points Condition:, Coil Ohms (if reusing):								
	- -				_	·		

Hard Start Kit (Never reuse): Existing Model: Action ☐ Removed ☐ Replaced with Soft Start ☐ Replaced with Factory Model					
Protection Devices (Circle if added today): • HP Switch ☐ LP Switch ☐ Discharge Line Stat ☐ Time Delay • Sure Switch ☐ Surge Protector ☐ Voltage Monitor					
Airflow & Performance Data Static Pressure: Supply: "WC, Return: "WC, ESP: "WC Airflow: CFM (Measured across evaporator coil)					
Condition of: Evaporator Coil: Blower: Duct: Filter:					
Voltage: Min. at Startup: V, While Operating: V Amperage: Common: A, Start: A, Run: A					
Compression Ration: Head psig + (14.7) = PSIA Suction psig + (14.7) = PSIA Head PSIA / Suction PSIA = :1 comp ratio					
Temperature Calculations: Indoor Metering Device Type: □ EXV □ TXV □ Fixed Orifice Suction Line Temp Suction Saturated Temp = Super Heated Vapor					
Notes and Root Cause of Failure					