



Start-up and Operation Data

Customer:		Condensing Unit Mod	el:
Address:	City:	Serial Number	:
Date:	Servicing Dealership:	(1 let Techniciar	ter) – (2 numbers) – (1 letter) – (6 numbers) n:
Step 1			
<u>Air Handler Infor</u>	rmation:	C	1 March and
Brand:	Model Number:	Sena	ai Number:
Metering Device:	Piston TXV Hard Shut-Off	TXV Rapid Bleed	
Motor Voltage:	Amps: O	Cooling Speed:	Heating Speed:
Step 2			
Evaporator Coil I	<u>Cemperatures</u> :		
Evaporator Coil E	AT Dry Bulb: Evaporate	or Coil LAT Dry Bulb:	Delta:
Evaporator Coil E	AT Wet Bulb: Evaporate	or Coil LAT Wet Bulb: _	Delta:
Step 3			
Condensing Unit:			
Unit Voltage:	Compressor Voltage:	Amps:	Discharge Line Temp:
Min Circuit Amps	(MCA): Max Overcurrent	Amps (MCO):	Breaker/Fuse Size:
Start Kit: Yes	No Recommended: Kickstart o	or similar kit with a potent	ial relay only—do not use solid state kits.
Step 4			
Refrigerant Press	<u>ures / Temperatures</u> : Or	utdoor Ambient Temp:	
Low Side PSIG: _	{Vapor Line Temp: m	inus Saturated Temp:	= degrees of Superheat }
High Side PSIG: _	Saturated Temp: min	us Liquid Line Temp:	= degrees of Sub-cooling }

NOTES:

Proper start-up and operational checks must be performed on each installation and should include gathering all of the information listed above. Please refer to the WCX Installation, Operation, and Maintenance Instructions for complete details.

Start kits should be installed on systems with a 208-volt power supply. In addition, start kits must be installed on all systems with a hard-shut-off TXV. When in doubt as to the type of TXV installed on a system, install a start kit. The addition of a start kit reduces the initial current inrush, reduces contactor wear, and extends compressor life.

System Start-Up and Charging: The proper practice of refrigerant recovery, evacuation, and charging should be followed when replacing/installing a thru-the-wall condensing unit. When charging a system with a piston (fixed orifice) refrigerant metering device, the system should be charged by super heat. A normal super heat range of 8 to 12 degrees is acceptable. When charging a system with a thermal expansion valve (TXV) charging should be accomplished using the sub-cooling method. The recommended sub-cooling operational range is between 13 and 16 degrees. The temperature drop across the evaporator coil will be approximately 18 degrees for a properly operating system.

Head pressure for the WCX units frequently run higher than other split systems especially on days when the temperature is in the mid to upper 90's. This is due to the limited physical size of the condensing coils in the WCX thru-the-wall units. Head pressures are likely to run from the low 400 lb. range to as high as 500 lbs. plus. First Company grilles are the only grilles approved for use with the WCX condensing units. The installation of an architectural grille also increases head pressures. Proper charging of a system with a WCX thru-the-wall condensing unit, based in the parameters above, will insure maximum capacity, efficiency and dependability.