X-Series Pre-Commissioning Checklist

Checklist to prepare for commissioning, use prior to commissioning unit

Project Name : _____

Model # _____

Serial # _____

Static Pressure:			
Existing Static Pressure Reading (should not be above 0.6*) (Fill in):			
New Unit Static Pressure Reading (Fill in):			
*If existing unit has a PSC motor installed and the static pressure is above 0.6, add supply and return duct as needed.			
Air Handler checklist, prior to install:			
New Unit Holding Charge - double check the unit to make sure charge is holding prior to install	Y/N		
Check for Position of New Air Handler	Horizontal-right	Horizontal-left	Upflow
Dip switch settings for air flow Level (Fill in):			
Run start AH only test static pressure in factory default evel 4 (Fill in):			
Adjust dip switch to the needed CFM at your current Static pressure			
If default is too low increase the dip switch setting to your desired CFM see charts			
Lineset guidelines			
Accurately measure the existing refrigerant lines if they are over 25' and calculate the additional footage.			
When brazing use Nitrogen purge throughout the process.			
Torque down the flare nuts per industry standards.			
Pressurize the lineset only, leak test the fittings and the braze connections, and verify that the system is 100% leak free.			
Open the valves on the indoor unit only. Pull triple evacuation on the indoor coil and linesets.			
Charging guidelines			
If the line set is over 31' add .32oz per foot.	Lineset Length _____	Added charge _____(oz)	
ex. 50' line set is over by 19' multiply the overage 19' x .32 =6.08oz of additional charge is required			
Communication Wiring guidelines			
Dip Switch setting for Capacity (Fill in):			

WARNING: Make sure the power is off before making any changes to the dip switches.

	Outdoor Dip Switch Setting				
Capacity Dip Switch	SA2				
		24K	36K	48K	60K
	On		x		x
	Off	x		x	
	Dip Switch1	1	1	1	1

Defrost Mode	SA2				
Standard Defrost	On		x		
Strong Defrost	Off		x		
	Dip Switch2	1	2	3	4

Operating Mode	SA2				
Standard Mode	On			x	x
Standard Mode	Off				
Strong Mode	On			x	
Strong Mode	Off				x
Energy mode	On				x
Energy mode	Off			x	

Continue on back

Dip Switch Settings (Fill in):		
Thermostat brand/model* (Fill in) :		
Once the thermostat is determined, set it up as a heat pump, and set the reversing valve to energize in heat using the B setting terminal, and tell the thermostat the reversing valve is energized in heat.		
Start up guidelines		
Once all of the above has been confirmed turn on the power to both the indoor and outdoor units, and set the system to cooling mode.		
Let the system run for approximately 15 minutes.		
Check your manifold gauge pressures and compare them to the pressure chart for basic charge verification.		
Manifold gauge pressures:	High side pressure _____	Low side pressure _____
Dry Bulb/Wet Bulb (Fill in):		
Outside Air Dry Bulb (Fill in):		
Amp/Current Draw (Fill in):		

For Tech Support Assistance please have this checklist completed first then call 855-972-2776

Model	Level	Heat (SA2)				Cool (SA1)			
AUD24AH2/A-D(U)	Level 1	1	0	0	0	0	0	0	0
	Level 2	1	0	0	1	0	0	0	0
	Level 3	1	0	1	0	0	0	0	0
	Level 4-Default	1	0	1	1	0	0	0	0
	Level 5	1	1	0	0	0	0	0	0
	Level 6	1	1	0	1	0	0	0	0
	Level 7	1	1	1	0	0	0	0	0
	Level 8	1	1	1	1	0	0	0	0
AUD36AH2/A-D(U)	Level 1	0	0	0	0	0	0	0	0
	Level 2	0	0	0	1	0	0	0	0
	Level 3	0	0	1	0	0	0	0	0
	Level 4-Default	0	0	1	1	0	0	0	0
	Level 5	0	1	0	0	0	0	0	0
	Level 6	0	1	0	1	0	0	0	0
	Level 7	0	1	1	0	0	0	0	0
	Level 8	0	1	1	1	0	0	0	0

Model	Level	Heat (SA2)				Cool (SA1)			
AUD48AH2/A-D(U)	Level 1	1	0	0	0	0	0	0	0
	Level 2	1	0	0	1	0	0	0	0
	Level 3	1	0	1	0	0	0	0	0
	Level 4-Default	1	0	1	1	0	0	0	0
	Level 5	1	1	0	0	0	0	0	0
	Level 6	1	1	0	1	0	0	0	0
	Level 7	1	1	1	0	0	0	0	0
	Level 8	1	1	1	1	0	0	0	0
AUD60AH2/A-D(U)	Level 1	0	0	0	0	0	0	0	0
	Level 2	0	0	0	1	0	0	0	0
	Level 3	0	0	1	0	0	0	0	0
	Level 4-Default	0	0	1	1	0	0	0	0
	Level 5	0	1	0	0	0	0	0	0
	Level 6	0	1	0	1	0	0	0	0
	Level 7	0	1	1	0	0	0	0	0
	Level 8	0	1	1	1	0	0	0	0

NOTE: 0 means dip switch to 'on', 1 means dip switch to number.

2.7 Fan Performance Data

Model	AUD24AH2/A-D(U)											
Level	Static pressure(Inches W.C.)											
	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1(CFM)	1030	900	840	-	-	-	-	-	-	-	-	-
Speed 2(CFM)	1080	960	900	840	-	-	-	-	-	-	-	-
Speed 3(CFM)	1220	1120	1060	990	850	-	-	-	-	-	-	-
Speed 4(CFM)	1390	1290	1240	1180	1070	960	-	-	-	-	-	-
Speed 5(CFM)	1580	1490	1440	1390	1290	1180	1090	970	830	-	-	-
Speed 6(CFM)	1720	1640	1600	1550	1450	1360	1250	1130	960	-	-	-
Speed 7(CFM)	1800	1730	1680	1630	1550	1460	1370	1270	1150	970	830	
Speed 8(CFM)	1850	1820	1790	1740	1660	1580	1500	1410	1340	1200	1080	930

Model	AUD36AH2/A-D(U)											
Level	Static pressure(Inches W.C.)											
	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1(CFM)	1150	1050	950	880	-	-	-	-	-	-	-	-
Speed 2(CFM)	1200	1100	1000	940	850	-	-	-	-	-	-	-
Speed 3(CFM)	1380	1260	1200	1100	950	-	-	-	-	-	-	-
Speed 4(CFM)	1550	1460	1390	1310	1160	1010	830	-	-	-	-	-
Speed 5(CFM)	1710	1650	1600	1560	1480	1400	1310	1210	1080	930	-	-
Speed 6(CFM)	1840	1800	1750	1710	1640	1590	1500	1420	1330	1220	1100	960
Speed 7(CFM)	1870	1830	1810	1800	1760	1690	1620	1520	1440	1350	1250	1150
Speed 8(CFM)	1900	1860	1840	1830	1790	1720	1660	1600	1540	1440	1320	1220

Model	AUD48AH2/A-D(U)											
Level	Static pressure(Inches W.C.)											
	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1(CFM)	1640	1500	1450	1350	-	-	-	-	-	-	-	-
Speed 2(CFM)	1680	1560	1500	1380	1300	-	-	-	-	-	-	-
Speed 3(CFM)	1810	1690	1620	1550	1380	-	-	-	-	-	-	-
Speed 4(CFM)	1930	1830	1770	1710	1580	1430	1280	-	-	-	-	-
Speed 5(CFM)	2200	2110	2040	1980	1860	1720	1620	1490	1380	-	-	-
Speed 6(CFM)	2240	2190	2145	2100	2010	1870	1750	1615	1500	1380	-	-
Speed 7(CFM)	2280	2240	2200	2180	2130	2080	2000	1880	1750	1600	1420	
Speed 8(CFM)	2300	2260	2220	2190	2140	2090	2040	1980	1930	1800	1700	1550

Model	AUD60AH2/A-D(U)											
Level	Static pressure(Inches W.C.)											
	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1(CFM)	1660	1540	1470	1400	-	-	-	-	-	-	-	-
Speed 2(CFM)	1850	1720	1650	1600	1400	-	-	-	-	-	-	-
Speed 3(CFM)	1920	1800	1730	1650	1480	1315	-	-	-	-	-	-
Speed 4(CFM)	2110	2000	1950	1860	1760	1640	1490	1325	-	-	-	-
Speed 5(CFM)	2250	2200	2190	2140	2040	1930	1800	1670	1520	1370	-	-
Speed 6(CFM)	2260	2220	2200	2170	2090	2010	1910	1760	1650	1550	1430	1380
Speed 7(CFM)	2300	2260	2230	2200	2150	2115	2050	1990	1920	1840	1750	1660
Speed 8(CFM)	2320	2280	2250	2230	2190	2140	2080	2040	2000	1950	1920	1890

NOTE: Please refer to above table for fan speed selection, and '-' is not allowed to be used.