



HVAC Advanced Products Division

### Mr. Slim System Pre-Commissioning and Installation Check List

INDOOR UNITS:				
	INDOOR UNIT # _____			REMARKS
Model No.		Unit Address:		
Serial No.				
Location				
Voltage	Line Voltage _____ V			
Inlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F
Outlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F

INDOOR UNITS:				
	INDOOR UNIT # _____			REMARKS
Model No.		Unit Address:		
Serial No.				
Location				
Voltage	Line Voltage _____ V			
Inlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F
Outlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F

INDOOR UNITS:				
	INDOOR UNIT # _____			REMARKS
Model No.		Unit Address:		
Serial No.				
Location				
Voltage	Line Voltage _____ V			
Inlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F
Outlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F

INDOOR UNITS:				
	INDOOR UNIT # _____			REMARKS
Model No.		Unit Address:		
Serial No.				
Location				
Voltage	Line Voltage _____ V			
Inlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F
Outlet Temperature	Cooling:	_____ DB°F	Heating:	_____ DB°F



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### Mr. Slim Series System Pre-Commissioning and Installation Check List

SYSTEM:				
NO.	SYSTEM AND INSTALLATION STATUS			REMARKS
1	Installation Location	Outdoor Unit	<input type="checkbox"/> Rooftop <input type="checkbox"/> Other Location ( _____ )	
2	Maintenance Accessibility	Outdoor Unit	<input type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Poor	
3	Furthest Piping Length		Outdoor to Indoor: _____ Ft.	
4	Height Difference (Multiple Only)		Outdoor to Indoor: _____ Ft. Indoor to Indoor: _____ Ft.	
5	Standard of Pipe-work		<input type="checkbox"/> Good <input type="checkbox"/> Poor	
6	Standard of Pipe Insulation		<input type="checkbox"/> Good <input type="checkbox"/> Poor	
7	Connection of Main Power Source	Outdoor Unit Indoor Unit(s) Electrical Wire	<input type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Poor Type: _____ Size: _____	
8	Connection of Control System	Indoor – RC	<input type="checkbox"/> Good <input type="checkbox"/> Poor	
9	Standard of Electrical Insulation		<input type="checkbox"/> Good <input type="checkbox"/> Poor	
10	Access to Remove Electrical Covers		<input type="checkbox"/> Good <input type="checkbox"/> Poor	
11	Control Method		<input type="checkbox"/> Wired <input type="checkbox"/> Wireless	
12	Remote Controller Operation	Ventilation Cool / Heat Automatic	<input type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Poor	
13	Connection of Options		<input type="checkbox"/> Good <input type="checkbox"/> Poor	

OUTDOOR UNIT:					
NO.	OUTDOOR UNIT OPERATION STATUS				REMARKS
14	Outdoor Unit Details	Model No: _____		Serial No: _____	
15	Compressor Details	Model No: _____		Serial No: _____	
16	Power Source (Voltage)	L1 - N _____ V	L2 - N _____ V	L3 - N _____ V	Gnd - N _____ V
17	Vibration / Noise	Compressor Fan	<input type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Poor		
18	Additional Refrigerant Charge (if applicable)			_____ Oz.	
19	Outdoor Unit Address (if multiple)			_____	

REMARKS:



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### Mr. Slim System Commissioning Report

<b>INSTALLATION DATA:</b>	
Site Address: _____ _____	
State: _____	Postal Code: _____ Country: _____
Installing Contractor: _____	Telephone: _____
Commissioning Engineer: _____	Mr. Slim Course
Commissioning Date: _____	Registration Number: _____
System Reference: _____	CFC Safe Handling
Location: _____	Registration Number: _____
Warranty Number (Provided by MEUS/HVAC on receipt of commissioning data) _____	Equipment Purchased From: _____

- Before running the system, carry out a full pre-commissioning check of the following points:**
1. Refrigeration pipe work has been pressure tested and evacuated as per the pressure test and evacuation method statements on the inside cover of this commissioning booklet.
  2. Correct refrigeration trim charge has been added and service valves opened.
  3. All units, remote controllers and centralized controllers in the system have correct address settings prior to turning on power to the outdoor unit.
  4. Power supply (source voltage) to all units must be checked prior to switching on. Once the unit has been switched on, the crankcase heater must be left on for a 12-hour period prior to start-up.
  5. All condensate drain pipe work must be complete.
  6. For P-Series systems, ensure that the indoor unit power supply (source voltage) isolator is switched on before the outdoor unit.

<b>EVACUATION DETAILS:</b>	
Pressure Test Details: _____	Evacuation Details: _____
Test Pressure: _____	Vacuum Period: _____
Test Period: _____	Vacuum Achieved: _____
	Pressure Rise Test: _____

**COMMISSIONING ENGINEER'S COMMENTS AND POINTS FOR ATTENTION:**

**Commissioning Engineer's Signature:** \_\_\_\_\_

**NOTE:**  
 Commissioning Data is to be returned to the following address within 21 days of completion to Validate Warranty and obtain Registration Number.  
 Mitsubishi Electric  
 HVAC Advanced Products Division  
 4505-A Newpoint Place  
 Lawrenceville, GA 30043

### Mr. Slim System Maintenance Sheet

<b>CONTRACTOR'S NAME</b>		<b>SITE NAME</b>			<b>SITE NUMBER</b>	
<b>ENGINEER'S NAME</b>					<b>DATE OF VISIT</b>	
<b>INDOOR DETAILS</b>	<b>INDOOR UNIT #1</b>	<b>INDOOR UNIT #2</b>	<b>INDOOR UNIT #3</b>	<b>INDOOR UNIT #4</b>		
<b>AREA SERVED</b>						
<b>MODEL NUMBER</b>						
<b>SERIAL NUMBER</b>						
<b>MAINTENANCE TASKS – INDOOR UNITS</b>						
<b>TASKS</b>		<b>FREQUENCY</b>	<b>INDOOR #1</b>	<b>INDOOR #2</b>	<b>INDOOR #3</b>	<b>INDOOR #4</b>
Clean air handling unit filters		Every Visit				
Check evaporator coil for dirt and clean as necessary		Annually				
Check drip tray for dirt and debris and check condensate pump for correct operation (if fitted)		Annually				
Check fan motor running current		Every Visit				
Check air on coil temperature in cooling		Every Visit				
Check air off coil temperature in cooling		Every Visit				
Check air on coil temperature in heating		Every Visit				
Check air off coil temperature in heating		Every Visit				
Check operation of auxiliary heaters (if fitted)		Every Visit				
<b>MAINTENANCE TASKS – REMOTE CONTROLLER</b>						
Indoor unit set point temperature set to		Every Visit				
Cooling Mode		Every Visit				
Heating Mode		Every Visit				
Fan Only		Every Visit				
Auto Mode		Every Visit				
Louver Swing		Every Visit				
<b>MAINTENANCE TASKS – OUTDOOR UNIT</b>			<b>MODEL No.</b>	<b>SERIAL No.</b>		
<b>TASKS</b>		<b>FREQUENCY</b>	<b>TICK OR RECORD READING</b>		<b>REMARKS</b>	
Inspect and clean heat exchanger		Every Visit				
Check for refrigerant leaks		Every Visit				
Check integrity of pipe work and lagging		Every Visit				
Check all electrical connections including mains isolator		Every Visit				
Check unit operation voltage and record		Every Visit				
Check unit operation current and record		Every Visit				
Check compressor run hours and record (P-Series only)		Every Visit				
Check discharge temperature and record		Every Visit				
Check suction temperature and record		Every Visit				
Check operation of crankcase heater		Every Visit				

Mitsubishi Electric recommends that the frequency of maintenance visits be no less than two per year. Frequency of maintenance may increase dependent upon the equipment's environment. Failure to maintain the system to the above minimum recommendations may result in the warranty becoming null and void.