

V4+R Series System Commissioning Report – Sheet A

						SY:	STEM IN	FORM	ATION								
Project	name a	ınd locatio	1						Cus	tomer co	mpany						
	S	ystem name	e						Insta	llation co	mpany						
	Commis	sioning date	•							Agent co	mpany		unit 2 B C A outdoor units)				
Out	door an	nbient temp						Со	mmiss	ioning er	gineer		B C outdoor units) emp. Drainag				
	Powe	er supply (V	,		A-B					В-С			e outdoor units)		C-A		
		app., (-	<u></u>														
		Maste	runit				OOR UN	IT INFC	PRMAT		ve unit 2	,		c	lavo	unit 3	
Mod	el	IVIASCE	i unic			Slave	unit 1			Sia	ve unit z	<u> </u>			lave	unit 3	
Serial n	0.																
							0	UTDO	OR UN	ITS							
				N	/laster ui	nit		Slav	e unit	1	S	lave un	it 2		Sla	ve unit	3
	Comp	ressor sucti temp	on pipe erature														
	Syster	m pressure a	at check		1												
			port	Α	В	С	<i>P</i>	\	В	С	Α	В	С	А		В	С
	I	Phase curre	ents (A)														
	Wi	thin norma	l range?														
	Within normal range? INDOOR UNITS (Sample of over 20% of the indoor units including the unit farthest from the outdoor units)																
	Roon	n					Set te			et temp.		et temp			Ab	normal	noise/
ORD nour)	no.		Model		Addre	:55	(°C)		(°C)		(°C)	О	к?		vibratio	n?
REC																	
METER RECORD node for one hour)																	
PARA oling n																	
MODE Ig in co																	
COOLING MODE PARAMETER RECORD (After running in cooling mode for one hour)																	
COO (After																	



V4+R Series System Commissioning Report – Sheet B

Project name and location		System name	
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						OOR UN							
		Ι	Master un	it	SI	ave unit	: 1	S	Slave unit	2		Slave un	it 3
Compresso	r suction pipe												
System nre	temperature ssure at check												
System pre	port												
		Α	В	С	A	В	С	Α	В	С	Α	В	C
Phas	e currents (A)												
Within r	normal range?												
	(Sa	mple of	over 20% o	of the i	INDO	OR UNI		thest fron	n the outdo	or units)			
Room					Set temp.		et temp.		et temp.	Draina	age	Abnorma	al nois
no.	Model		Addres	ss	(°C)		(°C)		(°C)	OK?		vibra	
					• •								
				_									



V4+R Series System Commissioning Report – Sheet C

Project name and location		System name	
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					OUTDO								
		N	/laster un	it	Sla	ve unit	1 1	S	lave unit	2		Slave uni	t 3
•	suction pipe temperature												
System press	sure at check port												
Phase	currents (A)	Α	В	С	A	В	С	Α	В	С	Α	В	С
	ormal range?												
	(Sa	ample of	over 20% o	f the ind	INDO oor units ind	OR UNI		nest from	the outdo	or units)			
Room no.	Model		Addre	SS	Set temp.	Inl	et temp. (°C)		et temp. (°C)	Drain OK		Abnorma vibrat	
1101					(0)		(=,		()		•	Vibrat	
						+							
						+							



V4+R Series System Commissioning Report – Sheet D

Project name and location		System name	
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	RECORD C	OF ISSUES SEEN DURING COMMI	SSIONING	
No.	Description of observed issue	Suspected cause	Troubleshooting undertaken	Serial no. of relevant unit
1				
2				
3				

	OUTD	OOR UNIT FINAL CHECKLIS	ST .	
	Master unit	Slave unit 1	Slave unit 2	Slave unit 3
SW2 system check performed?				
Any abnormal noise?				
Any abnormal vibration?				
Fan rotation normal?				

	Commissioning engineer	Dealer	Midea representative
Name:			
Signature:			
Date:			



V4+R Series System Commissioning Report – Sheet E

Project name and location System name

		Observed values			
DSP1 content	Parameters displayed on DSP2	Remarks	Cooling mode	Heating mode	Mixed mode
- 0	Outdoor unit address	Master unit: 0; slave units: 1, 2, 3			
- 1	Outdoor unit capacity	Refer to Note 1			
- 2	Number of outdoor units	Displayed on master unit PCB only			
- 3	Operating mode	Refer to Note 2			
- 4	Outdoor unit output metric (total of all units)	Displayed on master unit PCB only			
- 5	Indoor unit demand metric in cooling mode				
- 6	Indoor unit demand metric in heating mode				
- 7	Indoor unit demand metric in cooling mode after ambient temperature correction				
- 8	Indoor unit demand metric in heating mode after ambient temperature correction				
- 9	Outdoor unit output metric (this unit)				
10	Fan A speed index	Refer to Note 3			
11	Fan B speed index	Refer to Note 3			
12	Average indoor heat exchanger mid-point temperature (°C)	Actual value = value displayed			
13	Average indoor heat exchanger outlet temperature (°C)	Actual value = value displayed			
14	Outdoor heat exchanger temperature (°C) (Left)	Actual value = value displayed			
15	Outdoor heat exchanger temperature (°C) (Right)	Actual value = value displayed			
16	Outdoor ambient temperature (°C)	Actual value = value displayed			
17	Inverter compressor A discharge temperature (°C)	Actual value = value displayed			
18	Inverter compressor B discharge temperature (°C)	Actual value = value displayed			
19	Main inverter module temperature (°C)	Actual value = value displayed			
20	Saturation temperature (°C) corresponding to the discharge pressure	Actual value = value displayed + 30			
21	Discharge superheat (lowest of all units) (°C)	Actual value = value displayed			

Table continued on next page \dots



V4+R Series System Commissioning Report – Sheet F

Project name and location System name

table co	ntinued from previous page		OI	oserved valu	es
DSP1 content	Parameters displayed on DSP2	Remarks	Cooling mode	Heating mode	Mixed mode
22	Inverter compressor A current (A)	Actual value = value displayed			
23	Inverter compressor B current (A)	Actual value = value displayed			
24	Outdoor heat exchanger operating modes	Refer to Note 4			
25	EXVA position	Steps = value displayed × 8			
26	EXVB position	Steps = value displayed × 8			
27	Compressor discharge pressure (MPa)	Actual value = value displayed × 0.1			
28	Number of indoor units currently in communication with master unit	Actual value = value displayed			
29	Number of indoor units currently operating in cooling mode	Actual value = value displayed			
30	Number of indoor units currently operating in heating mode	Actual value = value displayed			
31	Reserved				
32	Silent mode	Refer to Note 5			
33	Static pressure mode	Refer to Note 6			
34	DC voltage A	Actual value = value displayed × 10			
35	DC voltage B	Actual value = value displayed × 10			
36	Reserved				
37	Reserved				
38	Most recent error or protection code	000 is displayed if no error or protection events have occurred since start-up			
		End			

Notes:

- 1. Outdoor unit capacity setting:
 - 0: 8HP; 1: 10HP; 2: 12HP; 3: 14HP; 4: 16HP
- 2. Operating mode:
 - 0: off; 2: cooling; 3: heating; 4: forced cooling; 5: Mixed cooling; 6: Mixed heating.
- 3. Fan speed is adjusted in steps. The fan speed index ranges from 0 (off) to 15 (maximum).
- 4. Outdoor heat exchanger operating modes (left/right): 0: off/condenser; 1: evaporator/evaporator; 2: evaporator/condenser; 3: evaporator/off.
- 5. Silent mode:
 - 0: night silent mode; 1: silent mode; 2: super silent mode; 3: no silent mode.
- 6. Static pressure mode:
 - 0: standard static pressure; 1: low static pressure; 2: medium static pressure; 3: high static pressure.



V4+R Series System Commissioning Report – Sheet G

Project name and location System name

			Observe	d values
No.	Parameters displayed on DSP1	Remarks	Cooling mode	Heating mode
1	Number of indoor units in the group being checked that are currently in communication with this MS box	Refer to Note 1		
2	Operating mode of this MS box	Refer to Note 2		
3	MS box subcooled refrigerant inlet temperature (°C)	Actual value = value displayed		
4	MS box subcooled refrigerant outlet temperature (°C)	Actual value = value displayed		
5	MS box gas pipe refrigerant temperature (°C)	Actual value = value displayed		
6	Average heat exchanger outlet temperature (°C) of indoor units in the group being checked	Refer to Note 1		
7	Number of outdoor units currently operating	Actual value = value displayed		
8	Outdoor units operating mode	Refer to Note 3		
9	MS box electronic expansion valve position	Position (steps) from 0 (fully closed) to 350 (fully open). Actual value = value displayed × 8		
10	Number of indoor units in the group being checked that are currently operating	Refer to Note 1		
11	Version number of the processing chip on the MS box PCB corresponding to the group being checked	Refer to Notes 1 and 4		
12				

Notes:

- 1. The group of downstream indoor units being checked depends on which of the spot check buttons SW1-SW6 on the MS box's PCB was pressed.
- 2. MS box operating mode:
 - 0: off; 2: cooling; 3: heating; 4: forced cooling; 5: mixed cooling; 6: mixed heating.
- 3. Outdoor unit operating mode:
 - 0: off; 2: cooling; 3: heating; 4: forced cooling; 5: mixed cooling; 6: mixed heating.
- 4. Each MS box PCB has one processing chip for each group of downstream indoor units.