FUJITSU

Extended Warranty Report
V-II Heat Pump

AIRSTAGE™
Variable Refrigerant Flow Systems

V-II

Outdoor unit models:*

AOUA72RLCV
AOUA96RLCV
AOUA120RLCV

460 VAC 3Ø

6 to 24 tons

*Form is not for use with 230 volt models

FOR REFERENCE AND FIELD USE ONLY
DO NOT SUBMIT FOR EXTENDED WARRANTY

To be completed the Installing HVAC/R Contractor

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V-II *Heat Pump Extended Warranty Report, 460 VAC*

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Please complete this page once per project.

Please upload completed Extended Warranty Report to APM, or email to

AOUA*RLCV OU MODELS ONLY**

System Owner					
Address					
				Phone	
Installing contractor					
Address					
Email					
APM or Registration Number				Phone	
Fujitsu Distributor or Rep					
Report Completed By				Phone	
Email				Installation Date	
Outdoor unit total	1	REF AD total	1	Start Date	
Indoor unit total	1				

OUTDOOR UNIT SETUP – ALL SYSTEMS					
	YES	NO		YES	NO
Unit is level, +/- 3°?	☐	☐	DIP SW. SET1, SET2 & SET4* factory default setting?	☐	☐
All outdoor unit minimum clearances met?	☐	☐	*If SET4-1 is OFF, are there isolation valves at IU's?	☐	☐
Liquid and vapor service valves (3WV) open completely?	☐	☐	DIP switch SET5-4 ON? Note: (1) ON per network segment	☐	☐
(Master) OU X1 & X2 resistance check = ohms			Total Refrigerant Charge written on inside cover?	☐	☐
Resistance check to farthest IU (or SA) = ohms			Power ON at least (12) hours before start up?	☐	☐

REFRIGERANT PIPING- ALL SYSTEMS					
	YES	NO		YES	NO
All refrigerant piping properly supported and insulated?	☐	☐	Was a nitrogen purge provided during brazing?	☐	☐
Any refrigerant piping traps installed?	☐	☐	Did a pressure test of 600 PSIG hold for (24) hours?	☐	☐
Liquid line drier installed? (HEAT start up only)	☐	☐	All flare and braze connections tested for leaks?	☐	☐
Vapor line (suction) drier installed? (COOL start up only)	☐	☐	Vacuum level of 500 microns or less held for 60 minutes?	☐	☐
Drier, if used, installed in the bypass line? (N/A if no drier)	☐	☐	Separation Tube and Headers in their correct orientation?	☐	☐

ELECTRICAL PRE-START CHECK - ALL SYSTEMS							
Outdoor Unit			YES	NO	Indoor Unit(s)	YES	NO
AOUA72RLCV	MCA = 21A	MOCP = 25A	☐	☐	MOCP = 15A	☐	☐
AOUA96RLCV	MCA = 21A	MOCP = 25A	☐	☐	Multiple IU's on a single circuit breaker?	☐	☐
AOUA120RLCV	MCA = 25A	MOCP = 30A	☐	☐	Individual circuit breaker per IU?	☐	☐
Voltage at OU disconnect or breaker:			☐	☐	Voltage at IU disconnect or breaker 187 – 253 VAC? (1Ø)	☐	☐
L1-L2= V	L2-L3= V	L1-L3= V			GFEB or ELCB installed?	☐	☐
"Fujitsu Pink" (Honeywell 3245) transmission cable installed?			☐	☐	**If "NO", enter cable mfg and catalog #:**		

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Please complete this page for each refrigerant system.

AOUA*RLCV OU MODELS ONLY**

REFRIGERANT SYSTEM

REFRIGERANT CHARGE (ENTER VALUES TOP TO BOTTOM, L TO R)

REFRIGERANT CHARGE ADDER – LIQUID LINE ONLY				SYSTEM CHARGE CALCULATION				
Liquid pipe length		Refrigerant per foot	Total	Model	Qty.	Factory Charge	OU Adder	Sub Total
	A	B	A X B	AOUA72RLCV		25.8 lb.		0.00 lb.
1 /4"		.014 lb./ft.	0.000 lb.	AOUA96RLCV		25.8 lb.		0.00 lb.
3/8"		.039 lb./ft.	0.000 lb.	AOUA120RLCV		26.0 lb.	7.28 lb.	0.00 lb.
1/2"		.077 lb./ft.	0.000 lb.	Total System Charge (includes Total Additional Refrigerant)				0.00 lb.
5/8"		.120 lb./ft.	0.000 lb.	If any input needs correction, click RESET ALL and re-enter				RESET ALL
3 /4"		.180 lb./ft.	0.000 lb.	Maximum charge check per system		(1) OU= 69.4 lb.	(2) OU = 138.8 lb.	(3) OU=208.2 lb.
Total Additional Refrigerant			0.00 lb.					YES / NO
							Maximum charge < (less than) limit?	☐ ☐

REFRIGERANT PIPING LENGTHS

ACTUAL PIPE LENGTH	YES	NO	HEIGHT DIFFERENCE (STRAIGHT LINE MEASUREMENT)	YES	NO
OU to Branch Kit ≤ 9 ft.?	☐	☐	OD unit to ID unit ≤164 ft. (OD unit ABOVE ID units)	☐	☐
Farthest OU (S2) and first Branch Kit ≤ 39 ft.? (3 OU's only)	☐	☐	OD unit to ID unit ≤131 ft. (OD unit BELOW ID units)	☐	☐
OU to farthest IU < 541 ft.?	☐	☐	Maximum height distance between indoor units ≤49 ft.?	☐	☐
First Separation Tube to farthest IU ≤295 ft.?	☐	☐	Maximum height distance between outdoor units ≤2 ft.?	☐	☐
Nearest IU to farthest IU ≤ 196 ft.?	☐	☐	Actual piping lengths entered into Design Simulator?	☐	☐
Total liquid pipe length ≤3,280 ft.?	☐	☐			

OU BRANCH KIT AND IU SEPARATION (OR HEADER) TUBE ANGULAR CHECK

OUTDOOR UNIT (2 OR 3 OU INSTALLATIONS)	YES	NO	INDOOR UNIT(S)	YES	NO
Branch Kit within 10° of ground parallel?	☐	☐	Separation Tube vertical or within 15° of ground parallel?	☐	☐
Branch Kit installed vertically?	☐	☐	Header branch lines within 10° of ground parallel?	☐	☐
			Header tube flat or within 1° of ground parallel?	☐	☐

OUTDOOR UNIT FUNCTION CODE F2:00 *		ADDITIONAL OU FUNCTION SETTINGS*
Pipe length between (Master) OD unit and nearest ID unit ft.		F2: 0 : 0
Select OU Function Code setting F2:00:	Select Setting Value	F2: 0 : 0
Select OU Function Code setting F2:17:	Select Setting Value	F2: 0 : 0
OU Function Code setting F2:20: (If used)	Select Setting Value	F2: 0 : 0
Select OU Function Code setting F2:21:	Select Setting Value	F2: 0 : 0

*PLEASE ENTER INDOOR UNIT FUNCTION CODES ON IU MODEL AND SERIAL NUMBER PAGE

Fujitsu General America Incorporated
353 US-46, Fairfield, NJ 07004

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Please complete this page as needed for IU's within each refrigerant system, REF AD. Continue IU entry on next sheet when IU count > 17.

Refrigerant System #				
Outdoor Unit Model Number	Serial Number	REF AD		
			MU	
			S1	
			S2	

Indoor Unit Model Number	Serial Number	REF AD	IU AD	IU FUNCT. CODE	
				FUNCTION #	SETTING

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Complete this page when IU count is between 18 to 40. When IU count is > 40, please continue entry on next sheet.

Refrigerant System #					
Indoor Unit Model Number	Serial Number	REF AD	IU AD	IU FUNCT. CODE	
				FUNCTION #	SETTING

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Complete this page when IU count is between 41 to 63.

Refrigerant System #					
Indoor Unit Model Number	Serial Number	REF AD	IU AD	IU FUNCT. CODE	
				FUNCTION #	SETTING

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ACCESSORIES	YES	NO
UTX- Signal Amplifier	☐	☐
UTY-DTG** Touch Panel Control installed?	☐	☐
UTY-DCGY Central Remote Control installed?	☐	☐
Fujitsu BMS interface used? (Select one) None		

REMOTE CONTROL TYPES - SELECT ALL THAT APPLY	YES	NO
2 WIRE- UTY-RNRUZ* Individual Touch Remote Control	☐	☐
2 WIRE- UTY-RSRY Simple Remote (w/ mode change)	☐	☐
2 WIRE- UTY-RHRY Simple Remote (w/o mode change)	☐	☐
3 WIRE- UTY-RNKU Remote Control	☐	☐

START UP	YES	NO
Service Tool “Address Checker” verification performed?	☐	☐
Any system errors at OU 7 segment display?	☐	☐
Any errors displayed at the IU Remote Control?	☐	☐
Touch Panel or Central Control programmed? (If applicable)	☐	☐

COMMISSIONING REPORT CHECKLIST (OPTIONAL)	YES	NO
“Test Run” performed using “Service Tool”?	☐	☐
“Quick Report” created? (“Detailed” Report option)	☐	☐
Test Run file (.gz file extension) downloaded and saved?	☐	☐
Commissioning data sent to Fujitsu within 120 days of start?	☐	☐

Please use the space below for project notes and comments as required.

Notes:

For Technical assistance, please contact:

- ✓ Your regional Technical Service Advisor, TSA
- ✓ Fujitsu Technical Support email service@fujitsugeneral.com

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