



Extended Warranty Report V-II Heat Pump



V-II

Outdoor unit models:*

AOUA72RLBV1
AOUA96RLBV1
AOUA120RLBV1

CMP1 (Inverter) 208/230/3Ø
Drive Freq. 48
Inverter Temp. 125.6°F
DC Voltage 310V
CT Current 6 to 24 tons

Saturation Temp.
HPTemp. 113.7°F
LPTemp. 43.7°F



*Not for use with AOUA***RLBV models

To be completed by the installing contractor for Pre-Commissioning

TO BE SUBMITTED ELECTRONICALLY

Adobe Acrobat Reader required to complete

Please complete this page once per project.

Please upload completed Extended Warranty Report to APM, or email to commissioning@fujitsugeneral.com **AOUA***RLBV1 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		REF AD total		Start Date
Indoor unit total				

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
AOUA72RLBV1	MCA = 41A	MOCP = 50A			MOCP = 15A			
AOUA96RLBV1	MCA = 41A	MOCP = 50A			Multiple IU's on a single circuit breaker?			
AOUA120RLBV1	MCA = 50A	MOCP = 60A			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 #:			

Please complete this page for each refrigerant system.

AOUA***RLBV1 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	AOUA72RLBV1		25.8 lb.	lb.
1 /4"		.014 lb./ft.	lb.	AOUA96RLBV1		25.8 lb.	lb.
3/8"		.039 lb./ft.	lb.	AOUA120RLBV1		26.0 lb.	7.28 lb. lb.
1/2"		.077 lb./ft.	lb.	Total System Charge (includes Total Additional Refrigerant)			lb.
5/8"		.120 lb./ft.	lb.	If any input needs correction, click RESET ALL and re-enter			
3 /4"		.180 lb./ft.	lb.	Maximum charge check per system	(1) OU= 69.4 lb.	(2) OU = 138.8 lb.	(3) OU=208.2 lb.
Total Additional Refrigerant			lb.				YES NO
Maximum charge < (less than) limit?							

REFRIGERANT PIPING LENGTHS					
ACTUAL PIPE LENGTH			HEIGHT DIFFERENCE (STRAIGHT LINE MEASUREMENT)		
	YES	NO		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)			INDOOR UNIT(S)		
	YES	NO		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:	:
Select OU Function Code setting F2:00:		F2:	:
Select OU Function Code setting F2:17:		F2:	:
OU Function Code setting F2:20: (If used)		F2:	:
Select OU Function Code setting F2:21:		F2:	:

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

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

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

Complete this page when IU count is between 41 to 63. When IU count is > 63, please continue entry on next sheet.

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

Complete this page when IU count is between 40 and 63 .

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

Please complete this page once per project.

START UP			COMMISSIONING REPORT CHECKLIST (OPTIONAL)		
	YES	NO		YES	NO
Service Tool "Address Checker" verification performed?			"Test Run" performed using "Service Tool"?		
Any system errors at OU 7 segment display?			"Quick Report" created? ("Detailed" Report option)		
Any errors displayed at the IU Remote Control?			Test Run file (.gz file extension) downloaded and saved?		
Touch Panel or Central Control programmed? (If applicable)			Commissioning data sent to Fujitsu within 120 days of start?		

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

Notes: