



Extended Warranty Report V-II Heat Pump



V-II

Outdoor unit models:*

AOUA72RLCV
AOUA96RLCV
AOUA120RLCV

CMP1(Inverter) 460 VAC 3Ø
Drive Freq. 7.5Hz
Inverter Temp. 125.6°F
DC Voltage 210V
CT Current 6 to 24 tons

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

TH1 170.6°F
TH2 168.8°F
TH3 82.4°F
TH4 57.2°F
TH5 86°F
TH6 46.4°F
TH8 46.4°F
TH9 50°F
TH10 168.8°F

FAN Freq. 600rpm
SP
SV1
LPS 128psi
4WV
3WV
3WV
Gas
Liq

HPSW1
INV
CMP1

Type (6) Operation On Normal
Mode Ref.No.01 Unit01:S1
Temp. 1 Pressure EEV CMP
CMP(VA) 4WV Special

*Not for use with 230 VAC models

To be completed by the installing contractor for Pre-Commissioning

Please complete this page once per project.

Please upload completed Extended Warranty Report to APM, or email to commissioning@fujitsugeneral.com **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		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
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 #:			

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.		lb.				
1 /4"	.014 lb./ft.	lb.	AOUA96RLCV		25.8 lb.		lb.				
3/8"	.039 lb./ft.	lb.	AOUA120RLCV		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.

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

Please complete this page once per project.

ACCESSORIES			REMOTE CONTROL TYPES - SELECT ALL THAT APPLY		
	YES	NO		YES	NO
UTX- Signal Amplifier			2 WIRE- UTY-RNRUZ* Individual Touch Remote Control		
UTY-DTG** Touch Panel Control installed?			2 WIRE- UTY-RSRY Simple Remote (w/ mode change)		
UTY-DCGY Central Remote Control installed?			2 WIRE- UTY-RHRY Simple Remote (w/o mode change)		
Fujitsu BMS interface used? (Select one)			3 WIRE- UTY-RNKU Remote Control		

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: