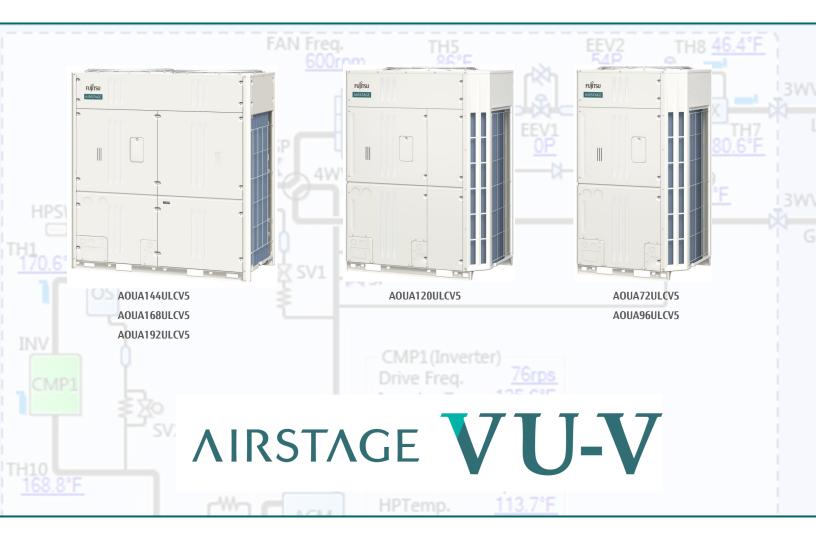
AIRSTAGE



Extended Warranty Report Airstage VU-V

Heat Pump & Heat Recovery VRF Systems 6 through 36 tons 460/3 phase



To be completed by the Installing Contractor Electronic completion only– Adobe Acrobat Reader required to complete





Please complete all entries. Please refer to the outdoor and indoor unit Installation Manual(s) as needed.

Please email the completed Extended Warranty Report and project installation photos to: commissioning@fujitsugeneral.com

PLEASE COMPLETE THIS PAGE ONCE PER PROJECT

System Owner														
Address							Phone							
City, State							State							
Installing Contractor														
Address							Phone							
Email														
Fujitsu Distributor or Rep.														
Report completed by:							Phone							
Email							Date							
Outdoor unit total	S	ystem	type											
Indoor unit total														
			-	OUTDOOR U	JNIT SETUP-	-ALL SYSTEMS								
			YES	NO					YES	NO				
Outdoor unit(s) level, +/- 3°?					"Fujitsu P	ink" cable used for all ODU and IDU co	wiring?							
ALL outdoor unit minimum cle				H1 & H2	cable- Primary to subordinate unit(s)?									
HEAT PUMP- (2) service valves	s open ONLY?				DIP SW. S	ET1 & SET4 in their factor default setti	ngs?							
HEAT RECOVERY- ALL (3) service valves open?						ET 2, SET 3 & SET 5 correctly adjusted p	per system?							
Total refrigerant charge writter	n on inside unit cover?				Power ON	I at least (12) hours before start up?								
				REFRIGEI	RANT PIPING	G LENGTHS								
	ACTUAL PIPE LENGTH					HEIGHT DIFFERENCE (STR	AIGHT LINE MI	EASUREMENT)						
			YES	NO					YES	NO				
ODU to Branch Kit ≤ 9 ft.?					ODU to ID	OU ≤ 164 ft.? (ODU ABOVE IDU)								
Farthest ODU (S2) and first Bra	anch Kit \leq 39 ft.? (3 ODUs	only)			ODU to ID	OU ≤ 131 ft.? (ODU BELOW IDU)								
ODU to farthest IDU < 541 ft.?					Maximum	n height difference between indoor un	n height difference between indoor units ≤ 49 ft.?							
First Separation Tube to farthe	st IDU ≤ 295 ft.?				Maximun	n height difference between outdoor u	ınits ≤1 ft.?							
Nearest IDU to farthest IDU ≤ 1	96 ft.?				Max. heig	ght difference between RBU and IDUs	≤16 ft.? (Hea	t Recovery)						
Total liquid pipe length ≤ 3,28	0 ft.?				Max. height difference between RBUs ≤49 ft.? (Heat Recovery)									
Installed lengths entered into	Design Simulator? (As-Bui	lt)			ODU arra	ngement– Primary ≥ Subordinate 1 ≥ S	Subordinate 2	?						
				REFRIGERAN	NT PIPING —	ALL SYSTEMS								
			YES	NO					YES	NO				
All refrigerant piping properly	supported and insulated?				nitrogen	purge provided during brazing?								
Any refrigerant piping traps in	stalled?				Did the 6	ne 600 PSIG piping pressure test hold for at least 24 hours?								
Liquid line drier installed ?					ALL flare	lare and pipe fittings tested for leaks?								
Vapor line (suction) drier insta	lled?				Vacuum l	evel of at least 500 microns obtained	and held for 6	0 minutes?						
Drier, if used, installed in a byp	pass line?				Indoor unit Separation Tubes and/or Headers in their correct orientation?									
Compression fittings used?					Compression fittings (IF used) rated for 1,800 PSIG burst pressure?									





PLEASE COMPLETE THIS PAGE ONCE PER REFRIGERANT CIRCUIT

REFRIGERANT SYST	ΓEM #	SYSTEM TY	PE		LOCATION	(OPTIONAL)					
		REFRIGERANT CH	ARGE CAL	CULATION (EN	TER VALUES TOP TO B	OTTOM, L TO R)					
REFRIGERANT CHA	.RGE ADDER- LIQUID LIN	E ONLY				SYSTEM CHARGE CALCUA	ATION				
Liquid Pipe Lengtl	h Refrigerant p	er foot Total		Model		I					
	A B	AXB		AOUA72ULC	/5	25.8 lbs.		lbs			
1/4"	.014 lb.	ft.	lb.	AOUA96ULC	/5	25.8 lbs.			lbs		
3/8"	.039 lb.	ft.	lb.	AOUA120ULC	V5	26.0 lbs.	7.28 lbs.		lbs		
1/2"	.077 lb.	ft.	lb.	AOUA144ULC	V5	26.0 lbs.	17.20 lbs.		I		
5/8"	.120 lb.	ft.	lb.	AOUA168ULC	V5	26.0 lbs.	17.20 lbs.			lbs	
3/4"	.180 lb.	ft.	lb.	AOUA192ULC	V5	26.0 lbs.	17.20 lbs.			lbs	
Total additio	nal refrigerant from liqu	id lines	lbs.		Total field charge t	o add (Liquid piping + 0	DDU Adder)			lbs	
					Total System Charge	(Liquid piping + ODU A	dder + Pre-Charge)	lbs			
			М	aximum refrig	erant charge check po	er system		Max. charg	e < (less	than) limit	
Numbe	r of ODUs per system	Tons			Maximum Allowal	ole Total System Charge		YES		NO	
	1	6, 8, 10	0		7	7.2 lbs.					
	ı	12, 14,	16								
	2	18, 20, 2	22								
	2	24,26,28,3	0,32		21	6.1 lbs.					
	3	34			23	31.5 lbs.			\perp		
		36			32	24.1 lbs.					
		OUTDOOOR UNIT BE	Ranch Kit	AND INDOOR	UNIT SEPARATION TU	BE (OR HEADER) ANGUL	AR CHECK				
	OUTDO	OR UNIT				IN	DOOR UNIT				
			YES	NO					NO		
Branch Kit within	10° parallel to the groun	d?			Separation Tube ver	tical OR within 15° paral	lel to the ground?				
Branch Kit installe	d vertically?				Header (if used) bra						
					Header (if used) tub						
				FLECTRIC	AL PRE-START CHECK						
	Outdoor Unit Model		YES	1		Indoor Unit(s)		YES	NO		
AOUA72ULCV5	MCA = 17.3 A	MOCP = 20 A			MOCP = 15A						
AOUA96ULCV5	MCA = 21.9 A	MOCP = 25 A			Multiple indoor uni	ts on a single circuit bre	aker?				
AOUA120ULCV5	MCA = 24.9 A	MOCP = 30 A	1		Individual circuit br	eaker per indoor unit?					
AOUA144ULCV5	MCA = 29.8 A	MOCP = 35 A	1		Measured voltage a	at indoor unit disconnect	t or breaker 187 – 2	53 VAC?		1	
AOUA168ULCV5	MCA = 34.8 A	MOCP = 40 A			GFEB, GFCI or ELCB	installed?			1		
AOUA192ULCV5	MCA = 41.5 A	MOCP = 50 A			UTZ-GXXA External	Power Supply installed?					
Measured voltage	at outdoor unit disconn	ect or breaker:			·						
L1-L2= V	/ L2-L3= V	L1-L3= \	/		Communication win						
		·			Outdoor unit resistance check (Measure at Primary ODU X1 & X2)						
					Resistance check at	t farthest IDU, RBU, or Si	gnal Amplifier		C	Ω	





PLEASE COMPLETE THIS PAGE ONCE PER REFRIGERANT CIRCUIT

REFRIGERANT SYSTEM #	SYSTEM TYPE	LOCATION (OPTIONAL)

Outdoor Unit M/N	Serial Number	REF AD	Out	Outdoor Unit DIP SW SET Settings (DEFAULT position shown) CLICK DIP SW to change												
			2-1	2-2	System type	2-4	UTY-SPWX	3-1	3-2	ODU Function	3-3	3-4	ODU Qty.	5-1	5-4	Resistance at X1 & X2
				ON OFF		ON OFF			ON OFF	Primary	-	ON OFF		ON OFF	ON OFF	Ω
				ON OFF		ON OFF			ON OFF	Subordinate 1				ON OFF		
				ON OFF		ON OFF			ON OFF	Subordinate 2		ON OFF				

			OFF OFF	OFF		OFF	OFF SUDOIDINA		numate 2				OFF				
F			1														
Indoor Unit M/N	Serial Number	REF AD	IU AD	RC AD	Aux. heat?	SET 2-3	Func	tion Settings									
							#	Setting	#	Setting	#	Setting	#	Setting	#	Setting	
															-		
															 		





PLEASE COMPLETE THIS PAGE ONCE PER REFRIGERANT CIRCUIT

REFRIC	REFRIGERANT SYSTEM # SYSTEM TYPE LOCATION (OPTIONAL)										
Pipe le	ngth between Primary outdoor unit and NEAREST indoor	unit		ft.							
Num.	Description	Setting	Value	Num.	Description	Setting Value					
00	Pipe length between Primary ODU and NEAREST IDU			29	ODU 7-segment pressure display (Mpa or PSI)						
10	Sequential Start Shift			30	Energy Saving Level (External input only)						
11	Cooling Capacity Shift (Suction pressure adjust)			32	5						
12	Heating Capacity Shift (Discharge pressure adjust)			33	Factory default– do not adjust	00					
13		00		35	IDU aux. heat selection method (enable for 36 & 37)						
14	Factory default– do not adjust			36	Outdoor unit HEATING low temperature lockout						
15				37	IDU auxiliary heat balance point						
17	IDU height difference (Heat Recovery only)			40	Low Noise operation priority selection						
19	Factory default– do not adjust	00	00		Low Noise operation (enables settings 40 & 42)						
20	Emergency or Batch Stop selection (Ex. Input only)			42	Low Noise operation dB(A) reduction level						
21	Mode changeover selection			50	Factory default- do not adjust						
22	Snowfall protection (Fan cycling when ODU is OFF)			53	Intelligent Refrigerant Control**						
23	Snowfall protection interval selection			54							
24*	Static Pressure selection for discharge air ducting			61							
25				62	Factory default– do not adjust	00					
26	Factory default– do not adjust	00		63							
27					Elect. Charge Apportionment Wattmeter Setting (1)						
28	ODU 7-segment temperature display (C or F)			73	Elect. Charge Apportionment Wattmeter Setting (2)						

NOTE- ALL OUTDOOR FUNCTION SETTINGS ABOVE ARE CONFIGURED AT THE PRIMARY ODU *- SET THIS FUNCTION SETTING ON SUBORDINATE UNIT 1 AND 2 (WHEN USED)

^{**-} IRC APPLICABLE TO -TLAV2 AND NEWER INDOOR UNITS ONLY (00- ENABLE, 01 -DISABLE)





PLEASE COMPLETE THIS PAGE FOR HEAT RECOVERY ONLY- ONCE PER REFRIGERANT CIRCUIT

REFRIGERA	NT SYS	FEM #	SYST	TEM TY	YPE				LOCATIO	ON ((OPTIONAL)					
Refrigerant	Branch	Unit (RBU) Model Number	S	erial N	lumber		REF A) I (RB AD	Co	omments:					
Kemgerane	Didner	one (NBO) Model Nambel	1	CHOIT	· ·		KEI / KE	<u> </u>	10710	-	minerio.					
			1													
			1													
			1			!		L						I		
				RANT E	Branch F	KIT UNI	T (RBU)	CHECK	- HEAT F	RECC	OVERY INSTALLATION ON					
		INSTALLATION	N			1					E	ELECTRICAL				
		/ 3°			YES	N					1542		YES	NO		
		n +/- 2° parallel to the ground? ances met for front cover remo							ım break			252 VAC2 (L1 L2 (N)				
		clearances met?)VdI:	+		\vdash		Measured voltage at the RBU between 187 – 253 VAC? (L1–L2(N) Comm– X1 & X2 between OUT/RB and other RBU or ODU?								
		port farthest from RBU inlet pip	nina?	+				Comm - X1 & X2 between UI/U and IDU?								
		tion lines correctly identified?	,g.					Comm—Shield ground connected to each ground terminal?								
		s properly sealed?		\dashv					9		,					
		1		REFR	IGERANT	BRANC	CH KIT UI			WIT	TCH POSITIONING					
SET		Description						S	ET 2		Description					
1	OFF	_					L	1	OFF	:	Determines IDU opera	ting priority				
2	OFF	Factory position only — Do n	ot adjust.				L	2	ON OFF							
3	OFF							3	OFF	_	Determines IDU chang	eover time				
								4	ON OFF							
		BRAN	NCH MERGI	NG –	8 & 12 B	BRANCH	H MODEL	S ONLY	Y - COMI	PLET	TE ONLY WHEN MERGING	G IS USED				
Branch I	D	Branch combination(s)	1	SW S3			nal Bloc		1		tary Switch (RBU AD)	Comments				
1 2 3																
A-D ON ON ON OFF OFF OFF																
E-H ON ON ON																