



# SPECIFICATION FOR APPROVAL

**CUSTOMER:**

**MODEL NO:** UD9238A2PSL

**DESCRIPTION:**

**DATE:** 25-Dec-08

## CUSTOMER APPROVAL SIGNATURE

CUSTOMER APPROVED STAMP

\*PLEASE RETURN ONE TO US AFTER CHECKING

## **UTECH**

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# SPECIFICATION

MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD9238A2PSL	PAGE 1
1. MECHANICAL					
1-1 EXTERNAL DIMENSION			REFER TO DRAWING 92X92X38		
1-2 WEIGHT			320G		
1-3 PACKAGING / CUBITFEET			40pcs/Carton		
1-4 BEARING			SLEEVE		
2. IN FRE AIR AT RATED VOLTAGE					
2-1 RETED VOLTAGE (V)			230V 50HZ		
2-2 RATED CURRENT (A)			0.082A (±10%)		
2-3 RATED INPUT POWER (W)			14W (±10%)		
3. EFFICIENCY					
3-1 RATED SPEED RANGE (R.P.M)			2300 RPM (±10%)		
3-2 MAX AIR FLOW			50 CFM (AT ZERO STATICPRESSURE)		
3-3 MAX STATIC PRESSURE			0.18 INCH-H20 (AT ZERO AIR FLOW)		
4. CHARACTERISTIC					
4-1 OPERATING VOLTAGE RANGE (V)			220/240VAC		
4-2 STARTING VOLTAGE			≤100VAC		
4-3 LOCKED CURRENT			0.09A(±10%)		
4-4 OPERATING TEMPERATURE			-20°C~+80°C/80%RH		
4-5 STORAGE TEMPERATURE			-20°C~+80°C/80%RH		
4-6 ENVIRONMENT HUMIDITY			10% RH 45°C FOR 24hrs&98%(RH)45°C FOR 24hrs		
4-7 TEMPERATURE RISE IN NORMAL OPERATION			TEMP. RISES LESS THAN 25°C ON SURFACE		
			TEMP. RISES LESS THAN 55°C COIL		

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MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD9238A2PSL	PAGE 2
4-8	INSULATION RESISTANCE	100M OHMS AT 500VDC BETWEEN HOUSING AND BOTH TERMINAL PINS(Lead Wire type use Lead wire)			
4-9	DIELECTRIC STRENGTH	1800V 1mA WITH STAND 1800VAC 1 MINUTE 1Ma BETWEEN HOUSING AND BOTH TERMINAL PINS(Lead wire type use Lead wire)			
4-10	VIBRATION TEST 1	OK			
4-11	SHOCK TEST 2	OK			
4-12	TENSIBLE STRENGTH OF LEAD WIRE(Lead wire type only)	NOT BROKEN AT 1Kg pulling force FOR 15sec PER PIECE			
4-13	SOUND LEVEL	$\leq 39$ dba			

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MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD9238A2PSL	PAGE 3
4-13.1 SOUND LEVEL TEST DESCRIPTION					
16.5		<p>(Ventilation state) (AIM TO CENTER OF THE FAN)</p>			
AT RAED VOLTAGE IN SOUND PROOF ROOM BACK GROUND NOISE: 16.5 dBA MAXIMUM					
4-14 CHARACTERISTIC DEFINITION					
4-14.1 RATED CURRENT RATED SPEED AND RATED INPUT POWER SHALL REACH BOTTOM LINE OF SPEC AFTER 5 MINUTES CONTINUOUS ROTATION AT RATED VOLTAGE AND REACH STANDARD SPEC AFTER 10 MINUTES CONTINUOUS ROTATION AT RATED VOLTAGE					
4-14.2 START VOLTAGE IS THE TEST VOLTAGE THAT ENABLE TO START THE FAX BY SUDDENT POWER ON					
5. PROTECTION					
LOCK TEST LOCKED 200 UNITS FOR AT LEAST 2 HOURS .FANS WORK NORMALLY AFTER LOCK RELEASED					
6. SAFETY		UL	CE	CCC	TUV
			√	√	√
7. MATERIAL					
ITEM	MAJOR COMPONENTS	MATERIAL&SPEC	GRADE	REMARK	
7-1	FAN HOUSING	Aluminiferous	A		
7-2	FAN BLADE	PBT85%+FIBER15% (D202G15)	94V-0	7BLADES	
7-3	STATOR CORE	STAINLESS STEEL SUS420J2	A		
7-4	BEARING				
7-5	SILICON STEEL STRIP	H23	A		

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MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD9238A2PSL	PAGE 4
	MAJOR COMPONENTS	MATERIAL & SPEC	GRADE		
7.7	COPPER WIRES	FULL DIAMETER	PEW		
7.8	LEAD WIRE	PSL	94V-0		
7.9	LABEL	POLYESTER			
8. DESCRIPTION OF TEST					
8-1 VIBRATION TEST					
8-1.1 LDS 824MK II VIBRATION					
TEST EQUIPMENT LDS 824MK VIBRATION TEST SYSTEM					
8-1.2 TEST ENVIRONMENT: TEMPERATURE: 19°C, HUMIDITY: 67% (RH)					
8-1.3 SCAN FREQUENCY: 5-55 Hz CYCLE/MIN VIBRATION RADIAN: 0.75mm (P-P)					
8-1.4 TEST TIME AXIS DIRECTION: X Y Z THREE AXISES TAKE 16 ROTATING VIBRATION SCAN FOR EACH AXIS					
8-1.5 TEST RESULT: RANGE ESTIMATION AND OPERATION NORMAL					

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MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD9238A2PSL	PAGE 5
9. PRODUCT INSPECTION PROCEDURE					
INSPECTION PROCEDURES BELOW ARE EXTREMELY FOLLOWED					
9-1 100%ELECTRIC ROTAING DEAD BLADE F ASTEN AND PRIMARY NOISE TEST ON					
9-2 100% TEST:1.06 AGAIN PRESSURE 3HOUR GO TEST					
9-3 100% TRIKE TEST BY HAND AND NOISE FILTER IN QUIET ROOM					
9-4 RANDOM INSPECTION IN ACCORDANCE WITH MIL-STD-105D STANDARD					
9-5 PASS/REJECT STANDARD					
CRITICAL AQL 0.1% MAJOR AQL 0.25% MINOR AQL 1.0%					

