



SPECIFICATION FOR APPROVAL

CUSTOMER:

MODEL NO: UD1725A1MSL

DESCRIPTION:

DATE: 25-Sep-08

CUSTOMER APPROVAL SIGNATURE

CUSTOMER APPROVED STAMP

*PLEASE RETURN ONE TO US AFTER CHECKING

UTECH

United thermal Engineering Corporation

453 Ravendale Dr., Suite C

Mountain View, CA 94043

Tel : 650-428-1188

Fax : 650-428-1110

E-Mail : info@utecusa.com

Website: www.utecusa.com

SPECIFICATION

MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD1725A1MSL	PAGE 1
1. MECHANICAL					
1-1 EXTERNAL DIMENSION			REFER TO DRAWING 172X150X51		
1-2 WEIGHT			900G		
1-3 PACKAGING / CUBITFEET			24pcs/Carton		
1-4 BEARING			SLEEVE		
2. IN FRE AIR AT RATED VOLTAGE					
2-1 RETED VOLTAGE (V)			115V 60HZ		
2-2 RATED CURRENT (A)			0.41A (± 10%)		
2-3 RATED INPUT POWER (W)			30W (± 10%)		
3. EFFICIENCY					
3-1 RATED SPEED RANGE (R.P.M)			2500 RPM (± 10%)		
3-2 MAX AIR FLOW			174 CFM (AT ZERO STATICPRESSURE) ± 10%		
3-3 MAX STATIC PRESSURE			0.40 INCH-H20 (AT ZERO AIR FLOW) ± 10%		
4. CHARACTERISTIC					
4-1 OPERATING VOLTAGE RANGE (V)			100/115VAC		
4-2 STARTING VOLTAGE			≤70VAC		
4-3 LOCKED CURRENT			0.49A (± 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			35°C TEMP. RISES LESS THAN 35°C ON SURFACE 75°C TEMP. RISES LESS THAN 75°C COIL		

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4-8 INSULATION RESISTANCE			100M OHMS AT 500VDC BETWEEN HOUSING AND BOTH TERMINAL PINS(Lead Wire type use Lead wire)		
4-9 DIELECTRIC STRENGTH			2500V 1mA WITH STAND 2500VAC 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			≤ 50 dB		

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MULTI-FLOW	TYPE	AC AXIAL FAN	MODEL NO.	UD1725A1MSL	PAGE 3
4-13.1 SOUND LEVEL TEST DESCRIPTION					
<p>16.5</p> <p>AT RAED VOLTAGE IN SOUND PROOF ROOM BACK GROUND NOISE: 16.5 dBA MAXIMUM</p>					
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	5BLADES	
7-3	STATOR CORE	STAINLESS STEEL SUS420J2			
7-4	BEARING				
7-5	SILICON STEEL STRIP	H23			

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	MAJOR COMPONENTS		MATERIAL & SPEC	GRADE	
7.7	COPPER WIRES		FULL DIAMETER	PEW	
7.8	LEAD WIRE		MSL	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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9. PRODUCT INSPECTION PROCEDURE					
INSPECTION PROCEDURES BELOW ARE EXTREMELY FOLLOWED					
9-1 100% ELECTRIC ROTATING DEAD BLADE FASTEN AND PRIMARY NOISE TEST ON					
9-2 100% TEST: 1.06 AGAIN PRESSURE 3 HOUR 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%					

