



# SPECIFICATION FOR APPROVAL

CUSTOMER:  
MODEL NO: **AT1238L-12L2B-PD1**  
DESCRIPTION:  
DATE: 2009.4.13

## CUSTOMER APPROVAL SIGNATURE

CUSTOMER APPROVED STAMP

\*PLEASE RETURN ONE TO US AFTER CHECKING

## **UTECH**

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# PRODUCT SPECIFICATION

## A.GENERAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
A-1	Part No.	AT1238L-12L2B-PD1
A-2	Outline Dimension	12x12x38
A-3	Rated Voltage	12V
A-4	Operating Voltage Range	8~13.8V
A-5	Starting voltage	8V
A-6	Rated Current	0.36A(Max:0.432A)
A-7	Power Consumption	4.32W(Max:6W)
A-8	Rated Speed	2000RPM±200
A-9	Max. Airflow	97.19 CFM
A-10	Max Static Pressure	3.94 mmH <sub>2</sub> O
A-11	Noise Level	38.4 dBA(Max:40.7dBA)
A-12	Rotation Direction	Anti-clockwise Direction
A-13	AT1238L-12L2B-PD1	Auto Restart Function

## B.ELECTRICAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
B-1	Temperature life expectancy	70000 Hours(45°C)
B-2	Insulation Resistance	At least 10MΩ at 500VDC between housing and both lead wires.
B-3	Dielectric Strength	Withstand 600VAC 1 minute 1Ma between housing and both lead wires.

## C.MAIN MATERIAL/PARTS SPECIFICATION

ITEM	MAJOR COMPONENTS	MATERIAL OR TYPE	GRADE
C-1	Housing & Impeller	Plastic	
C-2	Splash Proof	NO	
C-3	Weight	215.6g	
C-4	LEAD WIRES	UL1007#24 Single Wire	
C-5	CONNECTOR HOUSING	NP Two lead wire	
C-6	CONNECTOR		
C-7	BEARING	Ball Bearing	

## D.ENVIRONMENTAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
D-1	Operation Temperature	-10°C,~+70°C, /66%(RH)
D-2	Storage Temperature	-40°C,~+70°C, /66%(RH)
D-3	Environment Humidity	Less than 85%(RH)

## E-1.Shock test

Pulse shape : Half-sine wave

Shock duration time : 2ms

Velocity : 70~100 inch/sec

Number of shock : one shock for each of six faces ( Total : six shocks )

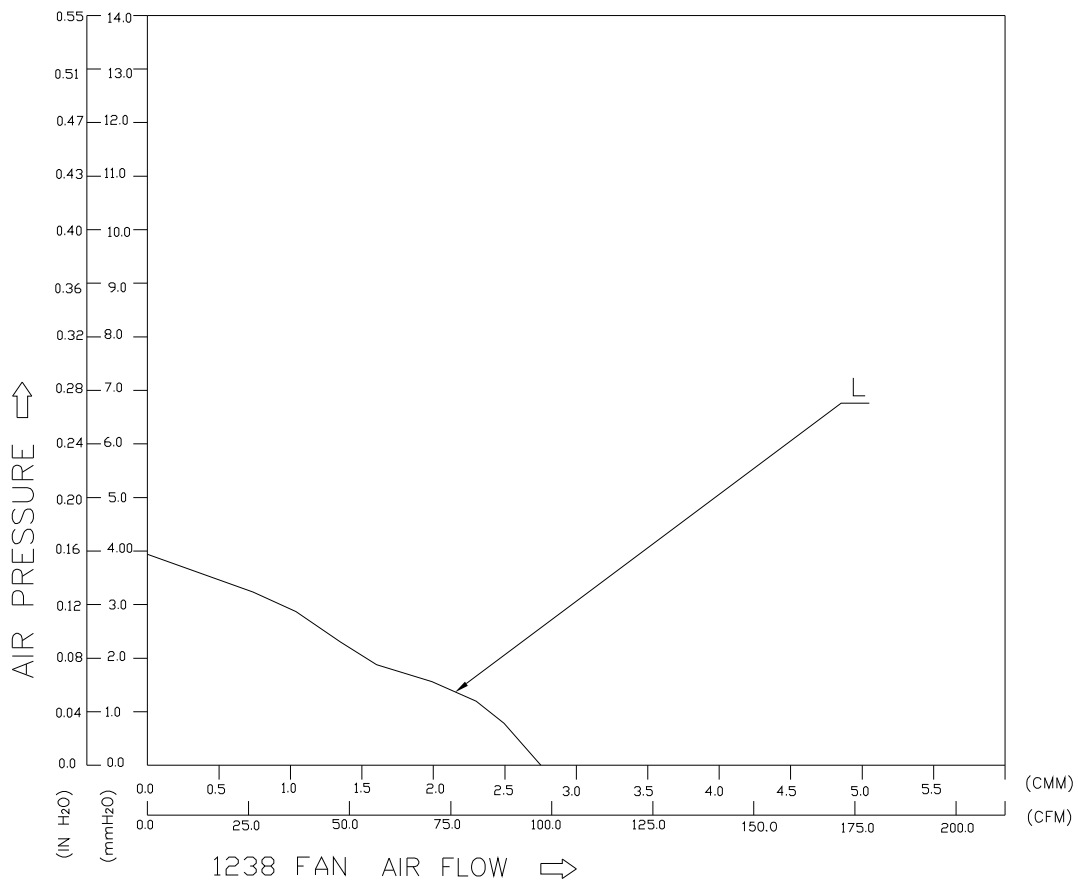
## E-2.Vibration

Frequency range : 10~500Hz scan 15 minutes .

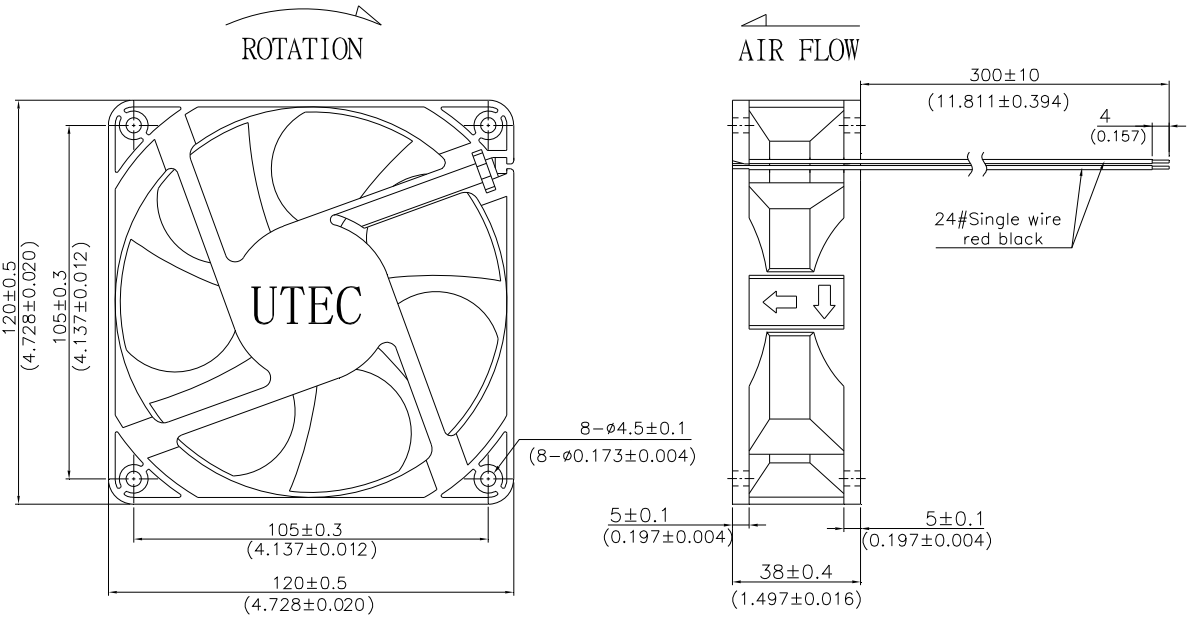
Direction : X 、 Y 、 Z .

Acceleration : 1.5g r.m.s, each direction 2 hours .

Figure 1. Fan Performance Curve



# Figure 2 Fan Dimension & Assembly



UNIT:  $\frac{MM}{(INCH)}$

- Notes:
1. Tolerances:
  2. Impeller must not protrude beyond front surface
  3. Minimum 0.50 radius at all rib intersections
  4. Unit: mm