



# SPECIFICATION FOR APPROVAL

CUSTOMER:

MODEL NO:

**AT6020L-12LL2B ND1**

DESCRIPTION:

DATE:

**2008.12.01**

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.	AT6020L-12LL2B ND1
A-2	Outline Dimension	60x60x20
A-3	Rated Voltage	12V
A-4	Operating Voltage Range	8~13.8V
A-5	Starting voltage	8V
A-6	Rated Current	0.04A(Max:0.048A)
A-7	Power Consumption	1.2W
A-8	Rated Speed	2300RPM±10%
A-9	Max. Airflow	8.11 CFM
A-10	Max Static Pressure	0.73 mmH2O
A-11	Noise Level	19.8dBA(Max:20.3dBA)
A-12	Rotation Direction	Anti-clockwise Direction

## 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	41.8g	
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

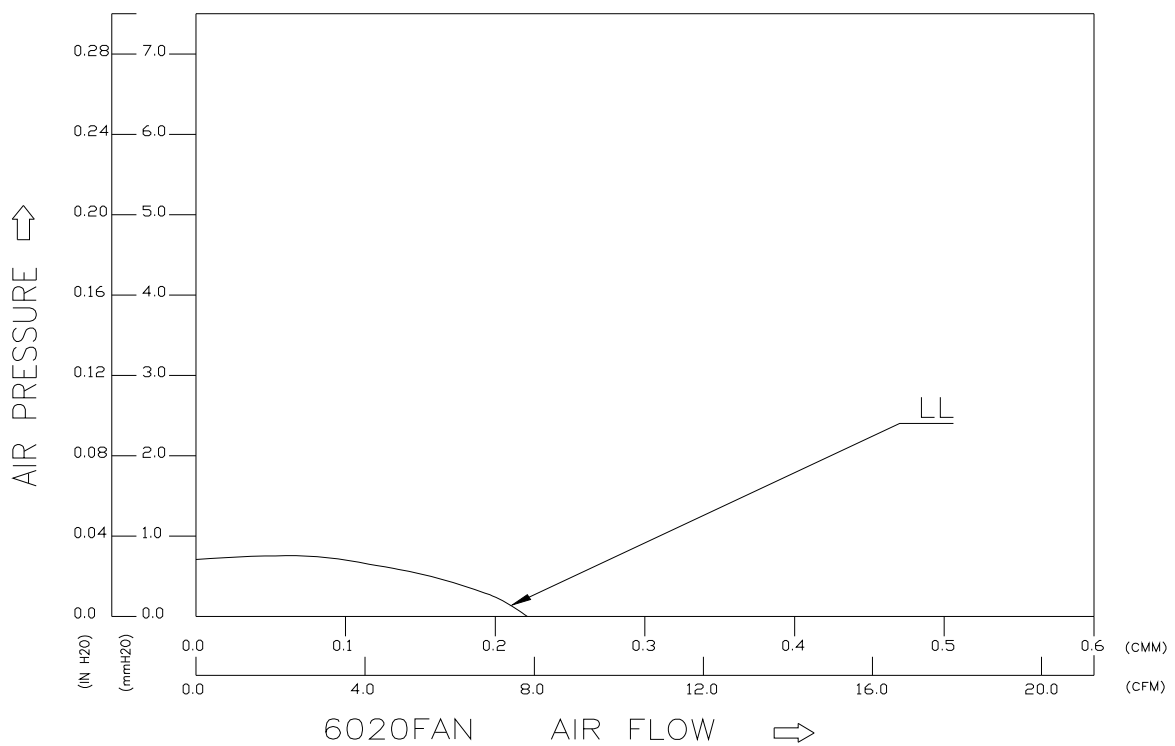
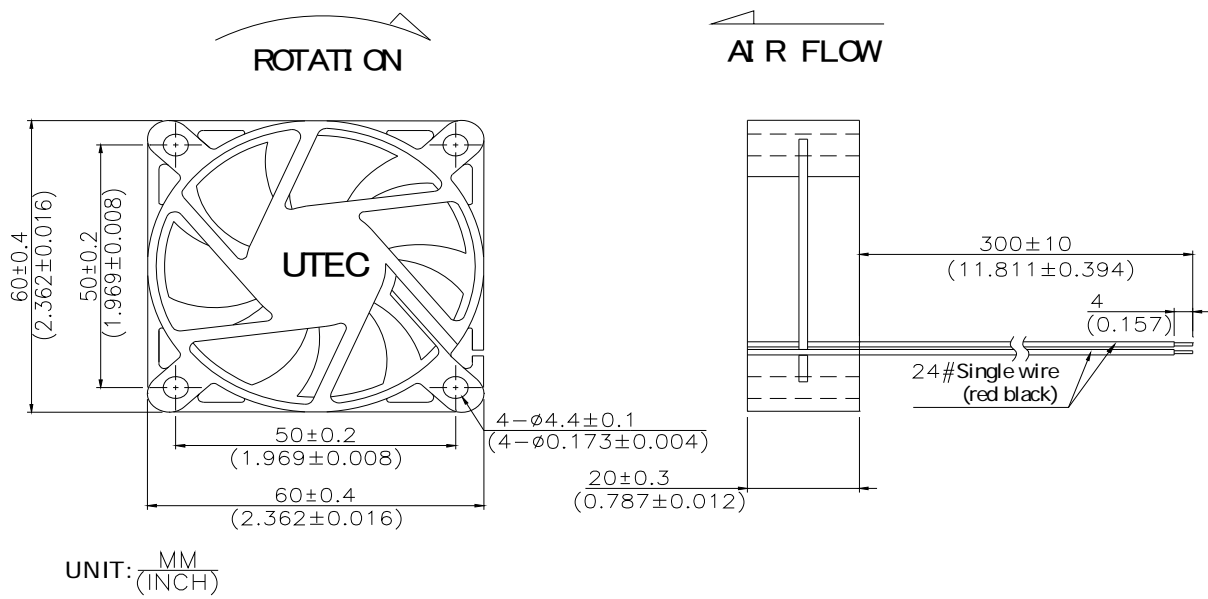


Figure 2 Fan Dimension & Assembly



Notes:

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