



# SPECIFICATION FOR APPROVAL

CUSTOMER:  
MODEL NO: **ATB9225L-24HFB ND1**  
DESCRIPTION:  
DATE: 2009.4.13

## CUSTOMER APPROVAL SIGNATURE

CUSTOMER APPROVED STAMP

\*PLEASE RETURN ONE TO US AFTER CHECKING

## **UTECH**

**United Thermal Engineering Corporation**

1590 Oakland Rd. Suite B109

San Jose, CA 95131

Tel : 408-453-1001

Fax : 408-453-1006

E-Mail : [info@utecusa.com](mailto:info@utecusa.com)

Web Site : [www.utecusa.com](http://www.utecusa.com)

# PRODUCT SPECIFICATION

## A.GENERAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
A-1	Part No.	ATB9225L-24HFB ND1
A-2	Outline Dimension	B92x92x25
A-3	Rated Voltage	24V
A-4	Operating Voltage Range	12~27.6V
A-5	Starting voltage	12V
A-6	Rated Current	0.15A(Max:0.18A)
A-7	Power Consumption	1.8W(Max:4.8W)
A-8	Rated Speed	2400RPM±10%
A-9	Max. Airflow	23.02 CFM
A-10	Max Static Pressure	9.5 mmH2O
A-11	Noise Level	38.2 dBA(Max:40dBA)
A-12	Rotation Direction	Anti-clockwise Direction

## B.ELECTRICAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
B-1	Temperature life expectancy	50000 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	77.8g	
C-4	LEAD WIRES	UL1007#24 Single Wire	
C-5	CONNECTOR HOUSING	NP Two lead wire	
C-6	CONNECTOR		
C-7	BEARING	Long Life 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



