

product specification

Customer Name	
Product	Fan
Designed for	
Part No.	AK-174BKT-B
Issue Date	2006/11/15
Fan Spec No.	DFB122512H T
Version	

PRODUCT SPECIFICATION

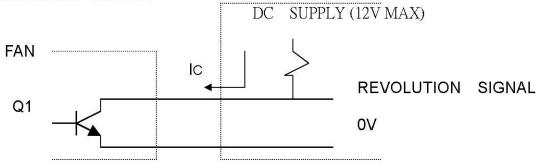
	(Item)	(Specification/Condition)			
01	Part No.	DFB122512H T			
02	Bearing System	Two Ball Bearing			
03	Outline Dimension	120x120x25mm			
04	Rated Voltage	DC 12 V			
05	Starting Voltage	DC 8 V			
	Starting Voltage				
06	Rated Current	AT 26°c:0.08A AT 45°c:0.40A	A. Rated Voltage		
		A1 43 C.0.40A	B. 25℃.65% RH		
07	Power Consumption	AT 26°c:0.96W			
		AT 45°c:4.80W			
		AT 26°c:800RPM	A. 25°c.65% RH		
08	Speed	AT 45°C:2300RPM	B. Free Air		
		AT 45 C.2300KPIVI	C.Rated Voltage		
		AT 26°c:35.49CFM			
		(ft³/min)	A. Rated Voltage		
09	Max. Airflow	AT 45°c:105.44CFM	B. AMCA(Standard)		
		(ft³/min)	C. Rated Current		
10	NA COUNTY D	AT 26°c:0.4mm H2O			
10	Max. Static Pressure	AT 45 °c:2.99mm H2O			
	Noise Level	AT 26°c:18dB(A) AT 45°c:38dB(A)	A. Rated Voltage		
			B. Measured in a Non-Echo		
111			Chamber		
' '			C. CNS 8753 Standard		
			D. ISO 3744 Test Condition		
12	1:6	50000 / O 5	MTTF Mean Time to Failure		
12	Life	50000/hrs 25℃	Conf.Level 90%		
13	No. Of Blade	9 Blades			
14	No. Of Pole	4 Poles			
15	Weight	149 g			
16	Rotating Direction	Clockwise From Label S	Clockwise From Label Side		
17	Safety Approval	UL; TUV; CE ±10%			
18	Tolerance				

Provision of revolution signal

1. OUTPUT OF REVOLUTION SIGNAL

.OUTPUT TYPE
.ELECTRICAL SPECIFICATION

OPEN COLLECTOR TYPE



TRANSISTOR Q1 AT "ON" POSITION COLLECTOR CURRENT SATURATION VOLTAGE BETWEEN COLLECTOR AND EMITTER AT IC = 10mA MAX.
TRANSISTOR Q1 AT "OFF" POSITION RELEASE VOLTAGE

Ic = 10 mA MAX. VoL= 0.5V MAX.

VOH = 12V MAX

2. OUTPUT WAVEFORM

(AT REVOLUTION)

— - V он	
Vol 0V —	
	T1 T2 T3 T4 T=T1+T2+T3+T4 FAN 1 TURN

(ACCORDING TO INPUT VOT.)

(AT LOCKED POSITION)

VOH

______Vol.

REMARK: AT LOCKED POSITION, OUTPUT BECOMES VOH OR VOL T=T1+T2+T3+T4=60/N (SEC) N: FAN SPEED (r.p.m)

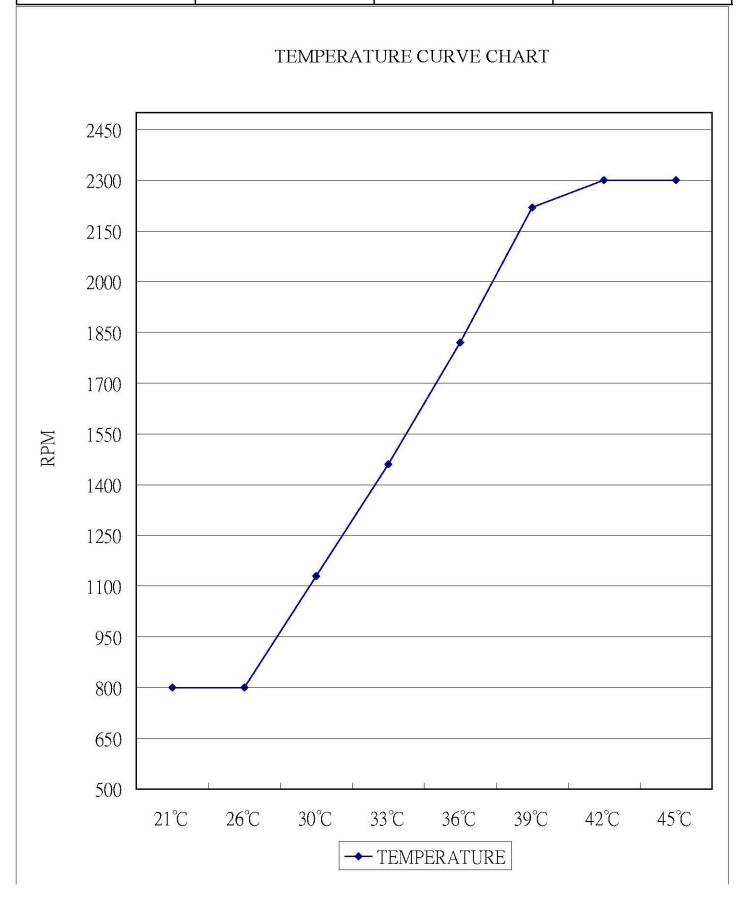
$$DUTY = \frac{T1}{T1+T2} = 50\pm10\%$$

Important notes & general instructions

- 1. Customer shall confirm the matching and reliability of fan on actual set or unit application.
 - This include confirmation on set or unit life, electrical noise, mechanical noise, vibration, static electricity, electric power noise, drift, electric resonance between motor and control circuit, mechanical resonance between motor and chassis, irregular movement of set due to motor noise, irregular movement of set in strong electromagnetic field, damaged by lightning surge earthing method etc.
- Any revisions on the specification shall be done based on mutual discussion and agreement.
- 3. In order to improve the performance within the scope of specification, parts or material changes are subject to prior notice to customer.
- 4. Any item which is needed to add into specification shall be determined on customer's prior written request. If no information given, fan will be delivered based on our standard judgment.
- When any trouble occurs, both parties shall discuss on this specification to solve the matters. In this case, our guarantee is only limited to fans.

DFB122512H T

TEMPERATURE	SPEED (RPM)	RANGE	CURRENT
26℃	800	±300	<0.10A
45℃	2300	±10%	<0.42A



Fan Dimension Drawing

