

SOFASCO INC. MTTF REPORT

MODEL NO	A17238V1MB	BEARING	BALL BEARING
VOLTAGE	115/60Hz V	CURRENT	0.23 A
SPEED	2900 RPM	TOTAL HRS	70250 HRS
TESTED QTY	50 PCS	TEST HRS/EA	1405 HRS
TEST TEMPERATURE	70 °C	TEST VOLTAGE	115/60Hz V

FAIL DEFINITION	CHECK POINT AT THE HOURS OF										
1. FAN NOT RUNNING	<input checked="" type="checkbox"/> 0 HR <input checked="" type="checkbox"/> 1000 HR										
2. SPEED OVER ± 15% OF SPEC.	<input checked="" type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 1250 HR										
3. CURRENT OVER OF SPEC. (MAX)	<input checked="" type="checkbox"/> 300 HR <input type="checkbox"/> 1500 HR										
4. NOISE OVER +3dB OF SPEC. (MAX)	<input checked="" type="checkbox"/> 600 HR										
FAIL TIME RECORD(HRS)											
1ST		2ND		3RD		4TH		5TH		6TH	
7TH		8TH		9TH		10TH		11TH		12TH	

TEST RESULT					
CONFIDENCE LEVEL= 90%					
ACCELERATION FACTOR= A temp x A volt					
$\{e^{[(\Delta H/K) * [(1/Temp\ 1) - (1/Temp\ 2)]]}\} \times [(V\ h.s./V\ l.s.)^n]$					
MTTF(HRS)					
500000					
400000					
300000					
200000					
100000					
0					
30 40 50 60 70	TEMP(CENTIGRADE) °C				
TEMP	30	40	50	60	70
MTTF	402210	278701	197557	142960	105424
L10	42337	29336	20795	15048	11097

APPROVED BY	CHECKED BY	PREPARED BY
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