

SOFASCO INC.

MTTF REPORT

MODEL NO	DB12032V24HB		BEARING	BALL BEARING	
VOLTAGE	24 V	CURRENT	0.43A	SPEED	2500 RPM
TESTED QTY	60 PCS	TEST HRS/EA	3306 HRS	TOTAL HRS	198360 HRS
TEST TEMPERATURE	40 °C		TEST VOLTAGE	24 V	

FAIL DEFINITION				CHECK POINT AT THE HOURS OF							
1. FAN NOT RUNNING				■ 0 HR	■ 1000 HR						
2. SPEED OVER 15% OF SPEC.				■ 72 HR	■ 1250 HR						
3. CURRENT OVER OF SPEC. (MAX)				■ 300 HR	■ 1500 HR						
4. NOISE OVER +3dB OF SPEC. (MAX)				■ 600 HR	■ 3000 HR						
FAIL TIME RECORD(HRS)											
1ST	1000	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)					
900000 750000 600000 450000 300000 150000 0					
TEMP(CENTIGRADE) °C					
TEMP	30	40	50	60	70
MTTF	931141	465695	232898	116449	58032
L10	98015	49021	24516	12258	6109
★R.H= 50%~70%					

APPROVED BY	CHECKED BY	PREPARED BY
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