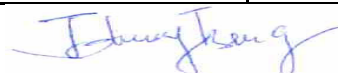


Life Test Report

Date: Oct.19.2006

Model NO.		DP200A-2123XST.GN		Test Condition		Test Result				
Spec.	Speed	3,100	RPM	Input voltage	230VAC 60Hz	Failed Q`ty	5			
	Current	0.12	AMP	Temperature	70°C	L10 (hours)	16,982			
Sample tested		50	Pcs	Orientation	Vertical	MTTF (hours)	40,371			
Test hours/Each		16,464	Hours	Running	In Free Air					
Failure Definition				Test Result , (Including Time To Failure , Datum , Statistics etc)						
1. No function.				<u>Accu.F/Q</u>	<u>TTF(Hrs)</u>	<u>UUT</u>	<u>Accu.F/R</u>	<u>Finding</u>		
2. RPM under 15% of original				1	7,056	49	2.00%	Speed under 15%		
3. Current over 15% of original				2	10,080	48	4.00%	Speed under 15%		
4. Noise over 3dB(A) of original				3	12,768	47	6.00%	Speed under 15%		
				4	14,784	46	8.00%	Speed under 15%		
				5	16,464	45	10.00%	Speed under 15%		
Life calculation according to the equation for <u>Weibull distribution</u> to obtain relevant data				Accelerate Factor ; AF = 1.5 (Testing Temp. - Operating Temp.)/10						
Shape parameter;β	2.2796			Temp. Range	30°C	40°C	50°C	60°C	70°C	
Characteristic parameter; θ	45,574 hrs			AF (Multiple)	5.06	3.38	2.25	1.50	1.00	
$MTTF = \theta x \Gamma(1 + \frac{1}{\beta})$	40,371 hrs			MTTF (hour)	204,378	136,252	90,835	60,557	40,371	
$L10 = \theta x (0.10536)^{\frac{1}{\beta}}$	16,982 hrs			L10 (hour)	85,971	57,314	38,210	25,473	16,982	
Approved by: 				Checked by: <i>Tony-chiu</i>			Tested by: <i>Debbie</i>			