



HVDC Motor Performance Data

DATE : 05-25-2004
 TIME : 11:35:54
 OPERATOR : CHSH LV
 ROOM TEMP. : 25 °C

Motor model : DC771(2)LSG-230 A Winding : 0.12-108*2(EIW-2) Power Supply : HP6813A(301V 13A) Testing Mode : Point Test
 Project : 03E3173 A Resistance : 0.00 Ohm User Input : 230.0V 5.0A 50Hz Control Mode : Torque Control
 Sample code : 033302-0D F Winding : - Dynamometer : 2.8 Kg-cm Cooling Time : 10 sec.
 Ref. No. : DC701932 F Resistance : - Ohm Direction : CW Running Time : 6 sec.
 Commutator : CPCMPH7C08 Bearing : 1
 Brush : FC-135T Shaft : /
 Lamination : /

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Point	Torque Kg-cm	Speed RPM	Voltage Volt	Current Amp	Pin Watt	Pout Watt	Eff. %	PF
1	0.10	11388	230.0	0.19	35.12	11.45	32.62	0.806
2	0.20	10866	230.0	0.25	47.27	22.08	46.71	0.836
3	0.30	10349	230.0	0.31	60.62	31.65	52.21	0.858
4	0.40	9867	230.0	0.37	73.82	40.71	55.14	0.874
5	0.50	9411	230.0	0.42	86.84	48.68	56.06	0.895
6	0.60	8976	230.0	0.48	99.98	55.09	55.10	0.900
7	0.70	8522	230.0	0.54	113.06	61.40	54.31	0.910
8	0.80	8079	230.0	0.60	125.72	66.49	52.89	0.918
9	0.90	7600	230.0	0.66	139.24	70.35	50.52	0.925
10	1.00	7137	230.0	0.71	151.77	73.24	48.26	0.932

AC POWER		
Voltage	230.0	V
Frequency	50	Hz
NO LOAD		
Measured Speed	12023	rpm
Measured Current	0.13	Amp
Measured Power in	23.40	Watt
STALL		
Torque	-	mNm
Current	-	Amp
AT MAXIMUM EFFICIENCY		
Torque	49.51	mNm
Speed	9392	rpm
Current	0.43	Amp
Power Output	48.80	Watt
Efficiency	55.95	%
PF	0.892	
AT MAXIMUM OUTPUT POWER		
Torque	-	mNm
Speed	-	rpm
Current	-	Amp
Power Output	-	Watt
Efficiency	-	%
PF	-	

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Remark : _____

Notes: The data represent the performance of the sample only. Performance specification for mass production will be established at production pilot run.

