



Type Test Report				Date of issue: 2013.03.12					
Customer:				Serial No.: 3GH072009T5508					
Customer ref.:				Type: M3GP 90SLC 8 Product Code: 3GGP094103-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEx VTT 12.0010X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		230	D	50	0,55	655	3,30	0,67	S1
Insul.cl.F		400	Y	50	0,55	655	1,91	0,67	S1
IP55									
Resistance				Insulation resistance at 26 °C		Overload			
Line		Ambient: 25,0 °C		R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁		30,30000 Ω							
U ₁ - W ₁		30,32000 Ω							
V ₁ - W ₁		30,28000 Ω							
				High-voltage test winding 2400 V		60 s			
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]
No load test		400 Y	50	1,36	0,14		750	0,15	
Locked rotor test		185,1 Y	50	1,90	0,33		0	0,54	
Thermal test (100% load)	8,1	400 Y	50	1,92	0,92	0,55	651	0,69	59,80
Partial load points:									
~75% load	5,7	400 Y	50	1,51	0,65	0,41	686	0,62	63,80
~50% load	3,7	400 Y	50	1,21	0,43	0,28	710	0,51	63,40
~25% load	1,8	400 Y	50	1,03	0,25	0,14	730	0,35	54,20
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				72,0	3			1 Resistance	
Frame :				46,0	3			2 Thermometer	
Bearing D-end :				45,0	3			3 Thermocouples	
Ambient Temperature :				25	3				
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer		Date of test		1.6.2007					
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain						Telephone +34 93 728 85 00		Telefax +34 93 728 85 33	

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