



Type Test Report				Date of issue: 2013.03.12					
Customer:				Serial No.: 3GE115033T0001					
Customer ref.:				Type: M3GP 132SMA 8 Product Code: 3GGP134101-_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	2,20	715	10,30	0,66	S1	
Insul.cl.F		400	Y 50	2,20	715	6,00	0,66	S1	
IP55									
Resistance			Insulation resistance at 25 °C			Overload			
Line			R > 2000 Mohm 1000 V			Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
Ambient: 14,4 °C									
U <sub>1</sub> - V <sub>1</sub>			3,75900 Ω						
U <sub>1</sub> - W <sub>1</sub>			3,76400 Ω						
V <sub>1</sub> - W <sub>1</sub>			3,76100 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	4,4	0,27		750	0,09	
Locked rotor test		130,1 Y	50	6,5	0,67		0	0,46	
Thermal test ( 100% load )	29,2	400 Y	50	6,5	2,84	2,20	720	0,63	77,40
Partial load points:									
~75% load	21,7	400 Y	50	5,6	2,14	1,65	727	0,55	77,20
~50% load	14,3	400 Y	50	4,9	1,48	1,10	735	0,43	74,50
~25% load	7,1	400 Y	50	4,5	0,86	0,55	743	0,27	63,60
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				56,7	3		1 Resistance		
Frame :				15,0	3		2 Thermometer		
Bearing D-end :				37,7	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		9.2.2012					
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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