



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GH092113T5504							
Customer ref.:				Type: M3GP 132SMB 4 Product Code: 3GGP132442-_GB Protection type: Ex nA IIC T3 Gc Cert. No.: VTT 12 ATEX 050 X / IECEX VTT 12.0010 X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor Insul.cl.F IP55 Eff class IE2				415	Y 50	5,50	1460	10,40	0,82	S1	
50Hz : IE2 - 89,0(100%) - 89,3(75%) - 88,3(50%)											
Resistance Line				Ambient: 30,0 °C				Insulation resistance at 30 °C		Overload	
U ₁ - V ₁				1,28800 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				1,28400 Ω						Torque 160 % 15s	
V ₁ - W ₁				1,28800 Ω						Speed 120 % 120s	
				High-voltage test winding				2400 V		60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]		
No load test		415 Y	50	5,1	0,28		1500	0,08			
Locked rotor test		97,5 Y	50	11,5	0,67		0	0,34			
Thermal test (100% load)	35,9	415 Y	50	10,4	6,18	5,50	1461	0,82	89,00		
Partial load points:											
~75% load	26,8	415 Y	50	8,3	4,62	4,13	1471	0,77	89,30		
~50% load	17,7	415 Y	50	6,3	3,11	2,75	1480	0,68	88,30		
~25% load	8,8	415 Y	50	4,4	1,63	1,38	1489	0,51	84,40		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				42,0	3			1 Resistance			
Frame :				9	3			2 Thermometer			
Bearing D-end :				26,6	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				3.6.2009			
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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