



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GH092213T5502							
Customer ref.:				Type: M3GP 132SMB 2 Product Code: 3GGP131442-_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	2870	9,70	0,9	S1	
50Hz : IE2 - 87,0(100%) - 87,5(75%) - 86,5(50%)											
Resistance Line				Ambient: 28,0 °C				Insulation resistance at 31 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				1,30200 Ω				R > 2000 Mohm		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				1,30100 Ω				1000 V		Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				1,30200 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	3,2	0,31		3000	0,13			
Locked rotor test		80,9 Y	50	10,5	0,66		0	0,45			
Thermal test ( 100% load )	18,3	415 Y	50	9,7	6,32	5,50	2871	0,90	87,00		
Partial load points:											
~75% load	13,6	415 Y	50	7,4	4,71	4,13	2907	0,88	87,50		
~50% load	8,9	415 Y	50	5,3	3,18	2,75	2938	0,82	86,50		
~25% load	4,4	415 Y	50	3,5	1,70	1,38	2969	0,66	80,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				47,5	3			1 Resistance			
Frame :				6,9	3			2 Thermometer			
Bearing D-end :				34,5	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				16.6.2009			
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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