



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GE120331T0003							
Customer ref.:				Type: M3GP 112 MB 4 Product Code: 3GGP112442-_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 IE1				415	Y 50	4,00	1435	8,00	0,81	S1	
50Hz : IE1 - 85,7(100%) - 87(75%) - 86,7(50%)											
Resistance Line				Ambient: 15,4 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				2,34500 Ω				R > 2000 Mohm		Current 150 % 120s	
U ₁ - W ₁				2,34700 Ω				1000 V		Torque 160 % 15s	
V ₁ - W ₁				2,35300 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	4,1	0,21		1500	0,07			
Locked rotor test		85,7 Y	50	7,8	0,63		0	0,54			
Thermal test (100% load)	26,7	415 Y	50	8,0	4,67	4,00	1433	0,81	85,70		
Partial load points:											
~75% load	19,7	415 Y	50	6,4	3,45	3,00	1452	0,74	87,00		
~50% load	13,0	415 Y	50	5,2	2,31	2,00	1470	0,61	86,70		
~25% load	6,4	415 Y	50	4,3	1,23	1,00	1486	0,39	81,30		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				57,6	3			1 Resistance			
Frame :				29,2	3			2 Thermometer			
Bearing D-end :				35,6	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				6.3.2012			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain							Telephone		+34 93 728 85 00		
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