



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GE110931T0001							
Customer ref.:				Type: M3GP 112MB 8 Product Code: 3GGP114442-_HB 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				415	D 50	1,50	710	4,40	0,61	S1	
Resistance Line				Ambient: 13,0 °C				Insulation resistance at 24,2 °C		Overload	
U ₁ - V ₁				6,13000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				6,13000 Ω						Torque 160 % 15s	
V ₁ - W ₁				6,14000 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 D	50	3,7	0,29		750	0,11			
Locked rotor test		119,2 D	50	4,5	0,55		0	0,59			
Thermal test (100% load)	20,2	415 D	50	4,4	1,95	1,50	709	0,61	77,00		
Partial load points:											
~75% load	14,9	415 D	50	3,9	1,49	1,13	720	0,52	75,60		
~50% load	9,8	415 D	50	3,6	1,06	0,75	730	0,40	71,00		
~25% load	4,8	415 D	50	3,4	0,65	0,38	740	0,26	57,90		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				49,8	3			1 Resistance			
Frame :				32,4	3			2 Thermometer			
Bearing D-end :				32,6	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				21.3.2011			
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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