



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GH092208T1102							
Customer ref.:				Type: M3GP 80MC 2 Product Code: 3GGP081443-_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	1,10	2865	2,40	0,78	S1	
50Hz : IE2 - 80,9(100%) - 80(75%) - 77,4(50%)											
Resistance Line				Ambient: 28,7 °C				Insulation resistance at 31,3 °C		Overload	
U ₁ - V ₁				10,14000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				10,13000 Ω						Torque 160 % 15s	
V ₁ - W ₁				10,14000 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 Y	50	1,50	0,11		3000	0,10			
Locked rotor test		71,5 Y	50	2,5	0,23		0	0,74			
Thermal test (100% load)	3,7	415 Y	50	2,4	1,36	1,10	2864	0,78	80,90		
Partial load points:											
~75% load	2,7	415 Y	50	2,0	1,03	0,83	2897	0,69	80,00		
~50% load	1,8	415 Y	50	1,7	0,71	0,55	2940	0,57	77,40		
~25% load	0,9	415 Y	50	1,6	0,42	0,28	2973	0,36	64,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				31,6	3			1 Resistance			
Frame :				10,9	3			2 Thermometer			
Bearing D-end :				18,9	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				19.6.2009			
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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