



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GE120339T0002							
Customer ref.:				Type: M3GP 090 SLD 4 Product Code: 3GGP092445-_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	1,50	1445	3,30	0,74	S1	
50Hz : IE2 - 83,3(100%) - 83,7(75%) - 80,5(50%)											
Resistance Line				Ambient: 12,0 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				5,51900 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				5,51600 Ω						Torque 160 % 15s	
V ₁ - W ₁				5,52100 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	2,2	0,15		1500	0,10			
Locked rotor test		98,7 Y	50	5,1	0,57		0	0,64			
Thermal test (100% load)	9,9	415 Y	50	3,3	1,80	1,50	1446	0,74	83,30		
Partial load points:											
~75% load	7,4	415 Y	50	2,8	1,34	1,13	1461	0,65	83,70		
~50% load	4,9	415 Y	50	2,5	0,93	0,75	1474	0,51	80,50		
~25% load	2,4	415 Y	50	2,2	0,54	0,38	1468	0,33	69,90		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				23,5	3			1 Resistance			
Frame :				10,8	3			2 Thermometer			
Bearing D-end :				10,9	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				7.2.2012			
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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