



Type Test Report				Date of issue: 2012.12.19							
Customer:				Serial No.: 3GE120331T0001							
Customer ref.:				Type: M3GP 112 MC 2 Product Code: 3GGP111443-_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 Eff class IE1				415	D 50	4,00	2860	7,00	0,93	S1	
50Hz : IE1 - 84,6(100%) - 86,3(75%) - 86,8 (50%)											
Resistance Line				Ambient: 17,2 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				2,62100 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				2,62400 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				2,63000 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	1,71	0,17		3000	0,14			
Locked rotor test		85,8 D	50	7,6	0,64		0	0,57			
Thermal test ( 100% load )	13,4	415 D	50	7,0	4,73	4,00	2858	0,93	84,60		
Partial load points:											
~75% load	9,9	415 D	50	5,3	3,48	3,00	2897	0,91	86,30		
~50% load	6,5	415 D	50	3,7	2,30	2,00	2936	0,86	86,80		
~25% load	3,2	415 D	50	2,4	1,21	1,00	2968	0,70	82,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				63,3	3	3		1 Resistance			
Frame :				18,3	3	3		2 Thermometer			
Bearing D-end :				27,6	3	3		3 Thermocouples			
Ambient Temperature :				25	3	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		
							Telefax		+34 93 728 85 33		

Computer print-out valid without signature.