



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GE120330T0001							
Customer ref.:				Type: M3GP 100LB 2 Product Code: 3GGP101442-_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 IE2				415	D 50	3,00	2910	5,60	0,86	S1	
50Hz : IE2 - 86,3(100%) - 86,6(75%) - 85(50%)											
Resistance Line				Ambient: 16,3 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				2,93900 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				2,93000 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				2,94600 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	2,5	0,19		3000	0,11			
Locked rotor test		62,4 D	50	5,7	0,36		0	0,41			
Thermal test ( 100% load )	9,8	415 D	50	5,6	3,48	3,00	2909	0,86	86,30		
Partial load points:											
~75% load	7,3	415 D	50	4,4	2,60	2,25	2934	0,81	86,60		
~50% load	4,8	415 D	50	3,4	1,76	1,50	2956	0,70	85,00		
~25% load	2,4	415 D	50	2,7	0,96	0,75	2978	0,48	77,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				38,4	3	3		1 Resistance			
Frame :				14,1	3	3		2 Thermometer			
Bearing D-end :				20,3	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				2.3.2012			
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				

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