



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GE120331T0004							
Customer ref.:				Type: M3GP 112 MB 6 Product Code: 3GGP113442-_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	2,20	955	5,60	0,65	S1	
50Hz : IE2 - 82,8(100%) - 82,7(75%) - 80,1(50%)											
Resistance Line				Ambient: 10,9 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				3,82500 Ω				R > 2000 Mohm		1000 V	
U <sub>1</sub> - W <sub>1</sub>				3,82300 Ω						Current 150 % 120s	
V <sub>1</sub> - W <sub>1</sub>				3,82500 Ω						Torque 160 % 15s	
								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	3,9	0,22		1000	0,08		
Locked rotor test			106,9 Y	50	5,6	0,55		0	0,53		
Thermal test ( 100% load )		22,0	415 Y	50	5,6	2,66	2,20	957	0,65	82,80	
Partial load points:											
~75% load		16,3	415 Y	50	4,9	2,00	1,65	969	0,56	82,70	
~50% load		10,7	415 Y	50	4,3	1,37	1,10	980	0,44	80,10	
~25% load		5,3	415 Y	50	4,0	0,78	0,55	990	0,27	70,20	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				42,4	3			1 Resistance			
Frame :				22,8	3			2 Thermometer			
Bearing D-end :				26,6	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				8.2.2012			
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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