



V6.0.1 - 1.0.6486.23853

Type Test Report				Date of Issue: 24/11/2017																					
Customer:				Serial No.: 0139																					
Customer ref.:				Tag No.: Order No.: Type: M3MA 80 MA 2 Product Code: 3GMA081310-xSx Protection type: Cert. No.:																					
Rating: 3~Motor Ins. Class F IP69K Eff class NEMA Premium Efficiency NEMA NOM EFF 76.8%				<table border="1"> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> <tr> <td>460</td> <td>Y 60</td> <td>0.55</td> <td>3502</td> <td>0.92</td> <td>0.89</td> <td>S1</td> </tr> </table>								V	Hz	kW	r/min	A	cos φ	Duty	460	Y 60	0.55	3502	0.92	0.89	S1
V	Hz	kW	r/min	A	cos φ	Duty																			
460	Y 60	0.55	3502	0.92	0.89	S1																			
Resistance Line Ambient: 25 °C U ₁ - V ₁ 16.48700 Ω U ₁ - W ₁ 16.49200 Ω V ₁ - W ₁ 16.49900 Ω				Insulation resistance at 20 °C R > 2000 Mohm 1000 V																					
				High-voltage test 2400 V				1 s																	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [W]	Output P2 [W]	n[r/min]	cos φ	h [%]	s [%]															
No-load test		460.1 Y 60		0.38	78.08			0.26																	
Thermal test (100% load)	1.5	455.4 Y 60		0.97	678.3	548.1	3529	0.89	80.8	2.59															
Partial load points:																									
~75% load	1.1	459.0 Y 60		0.77	516.5	410.4	3556	0.85	79.1	1.86															
~50% load	0.7	459.5 Y 60		0.60	366.0	275.5	3577	0.77	75.3	1.31															
~25% load	0.4	459.6 Y 60		0.47	231.3	149.7	3595	0.63	64.8	0.75															
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method																		
Stator winding :				64	1	1 Resistance																			
Frame :				83	2	2 Thermocouples																			
Bearing D-end :				78	2	3 Thermometer																			
Bearing N-end :				82	2																				
Ambient Temperature :				25	2																				
Tested according to IEEE-112 Method B.																									
On behalf of customer																									
On behalf of manufacturer				Date of test: 24/03/2017																					
Tested by ABB S.p.A. - RMMG - 20010 Vittuone (MI) Italy																									

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