



V6.0.1 - 1.0.6486.23853

Type Test Report					Date of Issue: 21/02/2018																				
Customer:					Serial No.: 0150																				
Customer ref.:					Tag No.: Order No.: Type: M3MA 90 MB 6 Product Code: 3GMA093320-xSx Protection type: Cert. No.:																				
Rating: 3~Motor Ins. Class F IP69K Eff class NEMA Premium Efficiency NEMA NOM EFF 82.5%					<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>0.75</td> <td>1168</td> <td>1.83</td> <td>0.65</td> <td>S1</td> </tr> </table>							V	Hz	kW	r/min	A	cos φ	Duty	460	Y 60	0.75	1168	1.83	0.65	S1
V	Hz	kW	r/min	A	cos φ	Duty																			
460	Y 60	0.75	1168	1.83	0.65	S1																			
Resistance Line Ambient: 22 °C U ₁ - V ₁ 9.46100 Ω U ₁ - W ₁ 9.44800 Ω V ₁ - W ₁ 9.46500 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		463.1 Y	60	1.22	85.98			0.09																	
Thermal test (100% load)	6.2	460.5 Y	60	1.71	888.5	756.1	1176	0.65	85.1	2.53															
Partial load points:																									
~75% load	4.7	455.8 Y	60	1.52	688.8	577.6	1183	0.58	84.2	1.96															
~50% load	3.0	456.7 Y	60	1.35	472.6	377.4	1192	0.44	79.6	1.25															
~25% load	1.4	457.0 Y	60	1.24	267.1	180.6	1200	0.27	67.7	0.67															
Temperature rise at rated load.					[°C]	[K]	Method		Measurement method																
Stator winding :					57	1			1 Resistance																
Frame :					78	2			2 Thermocouples																
Ambient Temperature :					24	2			3 Thermometer																
Tested according to IEEE-112 Method B.																									
On behalf of customer																									
On behalf of manufacturer					Date of test: 20/02/2018																				
Tested by ABB S.p.A. - RMMG - 20010 Vittuone (MI) Italy																									

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