



V6.0.1 - 1.0.6486.23853

Type Test Report					Date of Issue: 12/02/2018																							
					Serial No.: 0152																							
Customer:					Tag No.: Order No.: Type: M3MA 100 LA 2 Product Code: 3GMA101510-xSx Protection type: Cert. No.:																							
Customer ref.:																												
Rating:					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>V</td> <td>Hz</td> <td>kW</td> <td>r/min</td> <td>A</td> <td>cos φ</td> <td>Duty</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>3</td> <td>3500</td> <td>0.00</td> <td>0.90</td> <td>S1</td> </tr> </table>										V	Hz	kW	r/min	A	cos φ	Duty	460	Y 60	3	3500	0.00	0.90	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
460	Y 60	3	3500	0.00	0.90	S1																						
3~Motor Ins. Class F IP69K Eff class NEMA Premium Efficiency NEMA NOM EFF 88.5%																												
Resistance Line $U_1 - V_1$ 2.46310 Ω $U_1 - W_1$ 2.45500 Ω $V_1 - W_1$ 2.46540 Ω Ambient: 21 °C					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		462.2 Y	60	1.52	222.73			0.18																				
Thermal test (100% load)	8.2	461.5 Y	60	4.73	3416.5	3031.4	3539	0.90	88.7	2.28																		
Partial load points:																												
~75% load	6.1	461.7 Y	60	3.71	2577.0	2265.3	3557	0.87	87.5	1.71																		
~50% load	4.0	457.7 Y	60	2.79	1773.6	1514.3	3577	0.80	84.5	1.17																		
~25% load	2.0	459.7 Y	60	2.01	996.3	763.9	3599	0.63	75.6	0.61																		
Temperature rise at rated load.					[°C]	[K]	Method	Measurement method																				
Stator winding :					44	1	1 Resistance																					
Frame :					60	2	2 Thermocouples																					
Ambient Temperature :					25	2	3 Thermometer																					
Tested according to IEEE-112 Method B.																												
On behalf of customer																												
On behalf of manufacturer					Date of test:					12/02/2018																		
Tested by ABB S.p.A. - RMMG - 20010 Vittuone (MI) Italy																												

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