



Type Test Report				Date of issue: 2015-03-16																																
				Serial No.: 3G1T13170000013446																																
Customer:				Type: M1AA 200 MLB 6 Product Code: 3GAA203062-_SA																																
Customer ref.:																																				
Rating:		<table><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>230</td><td>D 50</td><td>22.0</td><td>970</td><td>75.6</td><td>0,83</td><td>S1</td></tr><tr><td>400</td><td>Y 50</td><td>22.0</td><td>970</td><td>43.7</td><td>0,83</td><td>S1</td></tr><tr><td>460</td><td>Y 60</td><td>22.0</td><td>1175</td><td>38.0</td><td>0,81</td><td>S1</td></tr></table>							V	Hz	kW	r/min	A	cos φ	Duty	230	D 50	22.0	970	75.6	0,83	S1	400	Y 50	22.0	970	43.7	0,83	S1	460	Y 60	22.0	1175	38.0	0,81	S1
V	Hz	kW	r/min	A	cos φ	Duty																														
230	D 50	22.0	970	75.6	0,83	S1																														
400	Y 50	22.0	970	43.7	0,83	S1																														
460	Y 60	22.0	1175	38.0	0,81	S1																														
3~Motor																																				
Insul.cl.F																																				
IP55																																				
Eff class IE1		50Hz : IE1-89.2(100%)-89.3(75%)-87.1(50%) 60Hz :																																		
Resistance		Ambient: 25 °C			Insulation resistance at 25 °C		Overload																													
Line					R > 2000 Mohm 1000 V		Current 150% 120s Torque 160% 15s Speed 120% 120s																													
U ₁ - V ₁		0,32700 Ω																																		
U ₁ - W ₁		0,32800 Ω																																		
V ₁ - W ₁		0,32700 Ω																																		
					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		400 Y 50		17,28	0,64		1000	0,06																												
Locked rotor test		87 Y 50		25,4	1,39		0	0,36																												
Thermal test (100% load)	216,6	400 Y 50		43,40	24,49	22,05	978	0,82	89,12																											
Partial load points:																																				
~75% load	162,4	400 Y 50		35,40	18,43	16,50	985	0,75	89,46																											
~50% load	108,3	400 Y 50		28,41	12,44	11,00	990	0,63	88,71																											
~25% load	54,1	400 Y 50		23,17	6,60	5,50	994	0,41	82,59																											
Temperature rise at rated load.		[°C] [K] Method			Measurement method																															
Stator winding :		90,0 3			1 Resistance																															
Frame :					2 Thermometer																															
Bearing D-end :					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 2013-03-08																																				

Computer print-out valid without signature.