



Type Test Report				Date of issue: 2015-03-16																															
				Serial No.: 3G1T10500000011223																															
Customer:				Type: M1AA 225 SMC 4 Product Code: 3GAA222063-_SA																															
Customer ref.:																																			
Rating:		<table border="1"> <thead> <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> </thead> <tbody> <tr> <td>230</td> <td>D 50</td> <td>55.0</td> <td>1470</td> <td>176.0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>400</td> <td>Y 50</td> <td>55.0</td> <td>1470</td> <td>102.0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>55.0</td> <td>1770</td> <td>89.2</td> <td>0,83</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D 50	55.0	1470	176.0	0,83	S1	400	Y 50	55.0	1470	102.0	0,83	S1	460	Y 60	55.0	1770	89.2	0,83	S1
V	Hz	kW	r/min	A	cos φ	Duty																													
230	D 50	55.0	1470	176.0	0,83	S1																													
400	Y 50	55.0	1470	102.0	0,83	S1																													
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3~Motor																																			
Insul.cl.F																																			
IP55																																			
Eff class IE1		50Hz : IE1-92.1(100%)-92(75%)-90.9(50%) 60Hz : IE1-93.1(100%)-93(75%)-91.9(50%)																																	
Resistance		Ambient: 25 °C		Insulation resistance at 25 °C		Overload																													
Line				R > 2000 Mohm 1000 V		Current 150% 120s																													
U ₁ - V ₁		0,10400 Ω				Torque 160% 15s																													
U ₁ - W ₁		0,10400 Ω				Speed 120% 120s																													
V ₁ - W ₁		0,10400 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]	η[r/min]	cos φ	η [%]																										
No load test		400 Y 50		45,07	2,02		1500	0,06																											
Locked rotor test		85 Y 50		59,1	2,78		0	0,32																											
Thermal test (100% load)	358,5	400 Y 50		103,70	59,73	55,48	1478	0,83	92,59																										
Partial load points:																																			
~75% load	268,9	400 Y 50		83,37	45,00	41,75	1483	0,78	92,44																										
~50% load	179,2	400 Y 50		64,80	30,33	27,99	1491	0,69	90,73																										
~25% load	89,6	400 Y 50		50,90	16,02	14,02	1494	0,45	88,35																										
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																												
Stator winding :		62,0		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		2010-12-02																															

Computer print-out valid without signature.