



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 M 8 Product Code: 3GAA134300-_SE																																
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>η [%]</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>400</td> <td>Y 50</td> <td>3,00</td> <td>715</td> <td>8,50</td> <td>0,64</td> <td>S1</td> </tr> <tr> <td>230</td> <td>D 50</td> <td>3,00</td> <td>715</td> <td>14,70</td> <td>0,64</td> <td>S1</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>3,00</td> <td>865</td> <td>6,80</td> <td>0,68</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	400	Y 50	3,00	715	8,50	0,64	S1	230	D 50	3,00	715	14,70	0,64	S1	460	Y 60	3,00	865	6,80	0,68	S1
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400	Y 50	3,00	715	8,50	0,64	S1																														
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460	Y 60	3,00	865	6,80	0,68	S1																														
Eff class IE1		50Hz : IE1 - 79,3%(100%) - 78,8%(75%) - 75,5%(50%) 60Hz : IE1 - 81,0%(100%)																																		
Resistance Line		Ambient: 21,3 °C		Insulation resistance at 24,9 °C		Overload																														
U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁		2,73200 Ω 2,72700 Ω 2,73200 Ω		R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																														
				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	6,0	0,36		750	0,09																												
Locked rotor test		123,1 Y	50	9,5	0,93		0	0,46																												
Thermal test (100% load)	39,3	400 Y	50	8,4	3,73	3,00	729	0,64	80,50																											
Partial load points:																																				
-75% load	29,5	400 Y	50	7,3	2,81	2,25	729	0,55	80,00																											
-50% load	19,5	400 Y	50	6,5	1,95	1,50	736	0,43	76,90																											
-25% load	9,6	400 Y	50	6,0	1,14	0,75	743	0,27	65,80																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				55,1	3		1 Resistance																													
Frame :				29,3	3		2 Thermometer																													
Bearing D-end :				35,1	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE111013T0002, on date 2011-10-05 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>																																				
On behalf of customer																																				
On behalf of manufacturer					Date of test																															
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