



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 M 4 Product Code: 3GAA132300-_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>3-Motor</td> <td>400 Y 50</td> <td>5,50</td> <td>1465</td> <td>10,90</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230 D 50</td> <td>5,50</td> <td>1465</td> <td>19,00</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460 Y 60</td> <td>5,50</td> <td>1769</td> <td>9,50</td> <td>0,79</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	400 Y 50	5,50	1465	10,90	0,79	S1	Insul.cl.F	230 D 50	5,50	1465	19,00	0,79	S1	IP55	460 Y 60	5,50	1769	9,50	0,79	S1
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Eff class IE2		50Hz : IE2 - 89,0%(100%) - 89,5%(75%) - 88,6%(50%) 60Hz : IE2 - 90,1%(100%)																																		
Resistance Line		Ambient: 14,0 °C		Insulation resistance at 17 °C		Overload																														
U ₁ - V ₁		1,46600 Ω		R > 2000 Mohm		1000 V																														
U ₁ - W ₁		1,46900 Ω				Current 150 % 120s																														
V ₁ - W ₁		1,46800 Ω				Torque 160 % 15s																														
				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	50	4,8	0,24		1500	0,07																												
Locked rotor test		91 Y 50	50	11,8	0,74		0	0,40																												
Thermal test (100% load)	36,0	400 Y 50	50	10,9	6,21	5,50	1460	0,82	88,50																											
Partial load points:																																				
~75% load	26,8	400 Y 50	50	8,6	4,62	4,13	1472	0,77	89,30																											
~50% load	17,7	400 Y 50	50	6,7	3,10	2,75	1482	0,66	88,60																											
~25% load	8,9	400 Y 50	50	4,7	1,62	1,38	1489	0,49	85,00																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				50,0	3		1 Resistance																													
Frame :				17	3		2 Thermometer																													
Bearing D-end :				30	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE080513T5504, on date 2008-02-20 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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