



Type Test Report				Date of issue: 4.11.2015																																			
Customer:				Serial No.:																																			
Customer ref.:				Type: M3AA 132 MB 6 Product Code: 3GAA133320-_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</td> <td>Y 50</td> <td>4,00</td> <td>975</td> <td>9,40</td> <td>0,70</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230</td> <td>D 50</td> <td>4,00</td> <td>975</td> <td>16,60</td> <td>0,70</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460</td> <td>Y 60</td> <td>4,00</td> <td>1177</td> <td>8,30</td> <td>0,69</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	400	Y 50	4,00	975	9,40	0,70	S1	Insul.cl.F	230	D 50	4,00	975	16,60	0,70	S1	IP55	460	Y 60	4,00	1177	8,30	0,69	S1
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Eff class IE2		50Hz : IE2 - 86,4%(100%) - 85,8%(75%) - 83,1%(50%) 60Hz : IE1 - 87,3%(100%)																																					
Resistance Line		Ambient: 18,1 °C		Insulation resistance at 28,4 °C		Overload																																	
U ₁ - V ₁		1,47300 Ω		R > 2000 Mohm		Current 150 % 120s																																	
U ₁ - W ₁		1,46600 Ω		1000 V		Torque 160 % 15s																																	
V ₁ - W ₁		1,47300 Ω		High-voltage test winding		Speed 120 % 120s																																	
				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	0,32		1000	0,08																															
Locked rotor test		75,7 Y	50	9,2	0,48		0	0,40																															
Thermal test (100% load)	39,2	400 Y	50	9,3	4,62	4,00	974	0,71	86,50																														
Partial load points:																																							
~75% load	29,2	400 Y	50	7,9	3,49	3,00	981	0,63	86,00																														
~50% load	19,3	400 Y	50	6,9	2,40	2,00	988	0,50	83,50																														
~25% load	9,6	400 Y	50	6,2	1,34	1,00	994	0,31	74,60																														
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method																															
Stator winding :		36,8		36,8		3		1 Resistance																															
Frame :		20,2		20,2		3		2 Thermometer																															
Bearing D-end :		26,2		26,2		3		3 Thermocouples																															
Ambient Temperature :		25		25		3																																	
<p>These tests have been carried out on motor no. 3GE114213T0001, on date 2011-11-02 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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