



Type Test Report				Date of issue: 4.11.2015																																			
Customer:				Serial No.:																																			
Customer ref.:				Type: M3AA 100 LC 6 Product Code: 3GAA103530-_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>1,50</td> <td>945</td> <td>3,60</td> <td>0,73</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230</td> <td>D 50</td> <td>1,50</td> <td>945</td> <td>6,26</td> <td>0,73</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460</td> <td>Y 60</td> <td>1,50</td> <td>1150</td> <td>3,20</td> <td>0,70</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	400	Y 50	1,50	945	3,60	0,73	S1	Insul.cl.F	230	D 50	1,50	945	6,26	0,73	S1	IP55	460	Y 60	1,50	1150	3,20	0,70	S1
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Eff class IE2		50Hz : IE2 - 80,3%(100%) - 81,3%(75%) - 80,3%(50%) 60Hz : IE1 - 83,3%(100%)																																					
Resistance Line		Ambient: 25,0 °C		Insulation resistance at 23 °C		Overload																																	
U <sub>1</sub> - V <sub>1</sub>		8,45000 Ω		R > 2000 Mohm		Current 150 % 120s																																	
U <sub>1</sub> - W <sub>1</sub>		8,46000 Ω		1000 V		Torque 160 % 15s																																	
V <sub>1</sub> - W <sub>1</sub>		8,46000 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	2,2	0,14		1000	0,10																															
Locked rotor test		106 Y	50	3,6	0,37		0	0,56																															
Thermal test ( 100% load )	15,2	400 Y	50	3,6	1,89	1,50	944	0,75	79,30																														
Partial load points:																																							
~75% load	11,2	400 Y	50	3,0	1,40	1,13	960	0,67	80,50																														
~50% load	7,3	400 Y	50	2,4	0,94	0,75	975	0,56	79,70																														
~25% load	3,7	400 Y	50	2,0	0,53	0,38	988	0,37	72,10																														
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																																
Stator winding :				54,4	3		1 Resistance																																
Frame :				27,0	3		2 Thermometer																																
Bearing D-end :				30,0	3		3 Thermocouples																																
Ambient Temperature :		25			3																																		
<p>These tests have been carried out on motor no. 3GE081910T0731, on date 2008-06-16 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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