



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 SB 2 Product Code: 3GAA131120-_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>2915</td> <td>11,00</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230 D 50</td> <td>5,50</td> <td>2915</td> <td>19,00</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460 Y 60</td> <td>5,50</td> <td>3515</td> <td>9,00</td> <td>0,86</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	400 Y 50	5,50	2915	11,00	0,82	S1	Insul.cl.F	230 D 50	5,50	2915	19,00	0,82	S1	IP55	460 Y 60	5,50	3515	9,00	0,86	S1
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Eff class IE2		50Hz : IE2 - 88,0%(100%) - 88,1%(75%) - 86,9%(50%) 60Hz : IE2 - 88,5%(100%)																																		
Resistance Line		Ambient: 24,0 °C		Insulation resistance at 21 °C		Overload																														
U ₁ - V ₁		1,28200 Ω		R > 2000 Mohm		Current 150 % 120s																														
U ₁ - W ₁		1,28100 Ω		1000 V		Torque 160 % 15s																														
V ₁ - W ₁		1,27800 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	3,7	0,31		3000	0,12																												
Locked rotor test		70 Y	50	11,2	0,58		0	0,43																												
Thermal test (100% load)	18,0	400 Y	50	10,5	6,34	5,50	2911	0,87	86,70																											
Partial load points:																																				
~75% load	13,4	400 Y	50	8,2	4,73	4,13	2938	0,83	87,30																											
~50% load	8,9	400 Y	50	6,1	3,19	2,75	2959	0,75	86,30																											
~25% load	4,4	400 Y	50	4,3	1,70	1,38	2978	0,57	80,90																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				48,5	3		1 Resistance																													
Frame :				11,0	3		2 Thermometer																													
Bearing D-end :				33,0	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE081513T5502, on date 2008-04-30 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		30.4.2008																																
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