



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 SMF 4 HO Product Code: 3GAA132260-_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>11,00</td> <td>1460</td> <td>21,50</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230 D 50</td> <td>11,00</td> <td>1460</td> <td>35,00</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460 Y 60</td> <td>11,00</td> <td>1765</td> <td>18,70</td> <td>0,80</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	400 Y 50	11,00	1460	21,50	0,79	S1	Insul.cl.F	230 D 50	11,00	1460	35,00	0,79	S1	IP55	460 Y 60	11,00	1765	18,70	0,80	S1
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Eff class IE2		50Hz : IE2 - 90,4%(100%) - 90,8%(75%) - 89,9%(50%) 60Hz : IE2 - 91,5%(100%)																																		
Resistance Line		Ambient: 17,4 °C		Insulation resistance at 23,6 °C		Overload																														
U ₁ - V ₁		0,57600 Ω		R > 2000 Mohm		1000 V																														
U ₁ - W ₁		0,57600 Ω				Current 150 % 120s																														
V ₁ - W ₁		0,57700 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	9,4	0,45		1500	0,07																												
Locked rotor test		76,1 Y	50	21,3	0,93		0	0,33																												
Thermal test (100% load)	71,9	400 Y	50	21,5	12,22	11,00	1461	0,82	90,00																											
Partial load points:																																				
~75% load	53,5	400 Y	50	17,0	9,12	8,25	1472	0,77	90,50																											
~50% load	35,4	400 Y	50	13,6	6,14	5,50	1482	0,65	89,60																											
~25% load	17,6	400 Y	50	10,9	3,25	2,75	1492	0,43	84,50																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				52,4	3		1 Resistance																													
Frame :				25,3	3		2 Thermometer																													
Bearing D-end :				38,3	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE081913T0761, on date 2008-12-11 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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