



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 MC 6 Product Code: 3GAA133330-_SE																																
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th><math>\eta</math> [%]</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>3-Motor</td> <td>400 Y 50</td> <td>5,50</td> <td>965</td> <td>13,30</td> <td>0,67</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>230 D 50</td> <td>5,50</td> <td>965</td> <td>24,30</td> <td>0,67</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460 Y 60</td> <td>5,50</td> <td>1165</td> <td>11,80</td> <td>0,67</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	$\eta$ [%]	Duty	3-Motor	400 Y 50	5,50	965	13,30	0,67	S1	Insul.cl.F	230 D 50	5,50	965	24,30	0,67	S1	IP55	460 Y 60	5,50	1165	11,80	0,67	S1
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Eff class IE2		50Hz : IE2 - 86,1%(100%) - 85,6%(75%) - 83,0%(50%) 60Hz : IE1 - 87,3%(100%)																																		
Resistance Line		Ambient: 14,6 °C		Insulation resistance at 23,2 °C		Overload																														
U <sub>1</sub> - V <sub>1</sub>		1,01300 Ω		R > 2000 Mohm		1000 V																														
U <sub>1</sub> - W <sub>1</sub>		1,01600 Ω				Current 150 % 120s																														
V <sub>1</sub> - W <sub>1</sub>		1,01600 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		8,7		0,41				1000		0,07																				
Locked rotor test				98,4 Y 50		50		13,5		1,02				0		0,44																				
Thermal test ( 100% load )		54,3		400 Y 50		50		13,3		6,38		5,50		968		0,69		86,20																		
Partial load points:																																				
~75% load		40,4		400 Y 50		50		11,3		4,79		4,13		977		0,61		86,20																		
~50% load		26,7		400 Y 50		50		9,8		3,26		2,75		985		0,48		84,30																		
~25% load		13,3		400 Y 50		50		8,7		1,81		1,38		992		0,30		76,30																		
Temperature rise at rated load.				[°C]		[K]		Method																												
				Stator winding :		54,7		3										1 Resistance																		
				Frame :		29,0		3										2 Thermometer																		
				Bearing D-end :		41,1		3										3 Thermocouples																		
				Ambient Temperature :		25		3																												
<p>These tests have been carried out on motor no. 3GE103313T0001, on date 2010-12-15 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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