



Type Test Report					Date of issue: 4.11.2015																																
					Serial No.:																																
Customer ref.:					Motor Type: M3AA 132 SB 2																																
					Product Code: 3GAA131120-ADE																																
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>690</td> <td>Y</td> <td>5,50</td> <td>2915</td> <td>6,10</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>5,50</td> <td>2915</td> <td>11,00</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D</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	690	Y	5,50	2915	6,10	0,82	S1	400	D	5,50	2915	11,00	0,82	S1	460	D	5,50	3515	9,00	0,86	S1
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690	Y	5,50	2915	6,10	0,82	S1																															
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3~Motor Insul.cl.F IP55 Eff class IE2					50Hz : IE2 - 88,0%(100%) - 88,1%(75%) - 86,9%(50%) 60Hz : IE2 - 88,5%(100%)																																
Resistance Line $U_1 - V_1$ $U_1 - W_1$ $V_1 - W_1$					Ambient: 17,5 °C 1,1620 Ω 1,1630 Ω 1,1630 Ω		Insulation resistance at R > 2000Mohm 1,0kV		Overload Volts 130 % 60s Amp 160 % 120s rpm 120 % 120s																												
					High-voltage test winding 2400V 60s																																
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1[kW]	Output P2[kW]	n [r/min]	$\cos \rho$	η [%]																												
No load test		401 D	50	3,9	0,24		3000	0,09																													
Locked rotor test		73 D	50	11,8	0,73			0,49																													
Thermal test (100% load)	18,6	400 D	50	10,6	6,33	5,50	2824	0,86	86,90																												
Partial load points:																																					
~75% load	13,7	400 D	50	8,3	4,68	4,13	2879	0,81	88,20																												
~50%load	9,0	400 D	50	6,3	3,12	2,75	2920	0,72	88,10																												
~25%load	4,4	400 D	50	4,7	1,65	1,38	2961	0,51	83,60																												
Temperature rise at rated load.		[°C]		[K]	Method	Measurement method																															
Stator winding ⁺ :				55,6	1	1 Resistance																															
Frame :		40,7			2	2 Thermometer																															
Bearing D-end :		49,2			2	3 Thermocouples																															
Ambient Temperature :		18,1			2																																
These tests have been carried out on motor no. 3GE1373213387, on date 2014-01-14 which is identical in electrical design with the above.																																					
Manufactured in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																																					
On behalf of customer																																					
On behalf of manufacturer					Date of test																																
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