



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 MF 8 HO Product Code: 3GAA134360-_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>400</td> <td>Y 50</td> <td>3,80</td> <td>710</td> <td>10,50</td> <td>0,68</td> <td>S1</td> </tr> <tr> <td>230</td> <td>D 50</td> <td>3,80</td> <td>710</td> <td>17,60</td> <td>0,68</td> <td>S1</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>3,80</td> <td>865</td> <td>9,10</td> <td>0,65</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	$\eta$ [%]	Duty	400	Y 50	3,80	710	10,50	0,68	S1	230	D 50	3,80	710	17,60	0,68	S1	460	Y 60	3,80	865	9,10	0,65	S1
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400	Y 50	3,80	710	10,50	0,68	S1																														
230	D 50	3,80	710	17,60	0,68	S1																														
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3-Motor		50Hz : 76,7%(100%) - 79,3%(75%) - 78,1%(50%)																																		
Insul.cl.F		60Hz : IE1 - 80,4%(100%)																																		
IP55																																				
Resistance Line		Ambient: 25,8 °C		Insulation resistance at 25 °C		Overload																														
U <sub>1</sub> - V <sub>1</sub>		2,77500 $\Omega$		R > 2000 Mohm		Current 150 % 120s																														
U <sub>1</sub> - W <sub>1</sub>		2,76600 $\Omega$		1000 V		Torque 160 % 15s																														
V <sub>1</sub> - W <sub>1</sub>		2,77200 $\Omega$				Speed 120 % 120s																														
				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 $\phi$	$\eta$ [%]																											
No load test		400 Y	50	6,4	0,44		750	0,10																												
Locked rotor test		137,8 Y	50	11,2	1,38		0	0,52																												
Thermal test ( 100% load )	51,1	400 Y	50	9,9	4,95	3,80	710	0,72	76,70																											
Partial load points:																																				
~75% load	37,7	400 Y	50	8,3	3,66	2,85	722	0,63	77,80																											
~50% load	24,8	400 Y	50	7,2	2,50	1,90	733	0,50	76,00																											
~25% load	12,2	400 Y	50	6,3	1,46	0,95	741	0,33	65,20																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				86,3	3		1 Resistance																													
Frame :				49,2	3		2 Thermometer																													
Bearing D-end :				59	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE100813T0011, on date 2010-04-21 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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