



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 MB 6 Product Code: 3GAA133320-DE																																
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 50</td> <td>4,00</td> <td>975</td> <td>5,45</td> <td>0,70</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>4,00</td> <td>975</td> <td>9,40</td> <td>0,70</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>4,00</td> <td>1177</td> <td>8,30</td> <td>0,69</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	690	Y 50	4,00	975	5,45	0,70	S1	400	D 50	4,00	975	9,40	0,70	S1	460	D 60	4,00	1177	8,30	0,69	S1
V	Hz	kW	r/min	A	η [%]	Duty																														
690	Y 50	4,00	975	5,45	0,70	S1																														
400	D 50	4,00	975	9,40	0,70	S1																														
460	D 60	4,00	1177	8,30	0,69	S1																														
3-Motor		50Hz : IE2 - 86,4%(100%) - 85,8%(75%) - 83,1%(50%)					Eff class IE2																													
Insul.cl.F		60Hz : IE1 - 87,3%(100%)																																		
IP55																																				
Resistance Line		Ambient: 18,1 °C		Insulation resistance at 28,4 °C		Overload																														
U ₁ - V ₁		1,47300 Ω		R > 2000 Mohm		Current 150 % 120s																														
U ₁ - W ₁		1,46600 Ω		1000 V		Torque 160 % 15s																														
V ₁ - W ₁		1,47300 Ω				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 φ	η [%]																											
No load test		400 D	50	6,0	0,32		1000	0,08																												
Locked rotor test		75,7 D	50	9,2	0,48		0	0,40																												
Thermal test (100% load)	39,2	400 D	50	9,3	4,62	4,00	974	0,71	86,50																											
Partial load points:																																				
~75% load	29,2	400 D	50	7,9	3,49	3,00	981	0,63	86,00																											
~50% load	19,3	400 D	50	6,9	2,40	2,00	988	0,50	83,50																											
~25% load	9,6	400 D	50	6,2	1,34	1,00	994	0,31	74,60																											
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method																												
Stator winding :				36,8		3		1 Resistance																												
Frame :				20,2		3		2 Thermometer																												
Bearing D-end :				26,2		3		3 Thermocouples																												
Ambient Temperature :		25				3																														
<p>These tests have been carried out on motor no. 3GE114213T0001, on date 2011-11-02 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																															
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain					Telephone +34 93 728 85 00 Telefax +34 93 728 85 33																															

Computer print-out valid without signature.