



Type Test Report				Date of issue: 2011.12.28																															
Customer:				Serial No.: 3GE082813T0997																															
Customer ref.:				Type: M3AA 132MA 4 Product Code: 3GAA132314-DE																															
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>690</td> <td>Y 50</td> <td>7,5</td> <td>1460</td> <td>8,80</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>7,5</td> <td>1460</td> <td>15,30</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>7,5</td> <td>1760</td> <td>12,90</td> <td>0,81</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	7,5	1460	8,80	0,79	S1	400	D 50	7,5	1460	15,30	0,79	S1	460	D 60	7,5	1760	12,90	0,81	S1
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3~Motor																																			
Insul.cl.F																																			
IP55																																			
Eff class IE2		50Hz : IE2 - 89,1(100%) - 89,9(75%) - 89,5(50%) 60Hz : IE2 - 90,0(100%)																																	
Resistance		Insulation resistance at 20 °C				Overload																													
Line		R > 2000 Mohm 1000 V				Current 150 % 120s																													
U ₁ - V ₁		Ambient: 16,0 °C				Torque 160 % 15s																													
U ₁ - W ₁		1,10300 Ω				Speed 120 % 120s																													
V ₁ - W ₁		1,10100 Ω																																	
		1,10400 Ω																																	
		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	6,2	0,3		1500	0,07																											
Locked rotor test		85,7 D	50	14,7	0,89		0	0,41																											
Thermal test (100% load)	49,1	400 D	50	14,7	8,50	7,50	1458	0,83	88,20																										
Partial load points:																																			
~75% load	36,6	400 D	50	11,8	6,32	5,63	1470	0,77	89,10																										
~50% load	24,2	400 D	50	9,1	4,23	3,75	1481	0,67	88,70																										
~25% load	12,0	400 D	50	7,3	2,25	1,88	1491	0,44	83,60																										
Temperature rise at rated load.		<table border="1"> <thead> <tr> <th></th> <th>[°C]</th> <th>[K]</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Stator winding :</td> <td></td> <td>59,1</td> <td>3</td> </tr> <tr> <td>Frame :</td> <td></td> <td>21</td> <td>3</td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td>33</td> <td>3</td> </tr> <tr> <td>Ambient Temperature :</td> <td>25</td> <td></td> <td>3</td> </tr> </tbody> </table>					[°C]	[K]	Method	Stator winding :		59,1	3	Frame :		21	3	Bearing D-end :		33	3	Ambient Temperature :	25		3	Measurement method									
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Manufactured and tested 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		4.11.2008																															
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																											

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