



Type Test Report					Date of issue: 2011.12.28																																
Customer:					Serial No.: 3GE080413T7502																																
Customer ref.:					Type: M3AA 132SC 2 Product Code: 3GAA131313-_SE																																
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>230</td> <td>D</td> <td>50</td> <td>7,5</td> <td>2915</td> <td>24,20</td> <td>0,87 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>7,5</td> <td>2915</td> <td>14,00</td> <td>0,87 S1</td> </tr> <tr> <td>460</td> <td>Y</td> <td>60</td> <td>7,5</td> <td>3520</td> <td>11,80</td> <td>0,89 S1</td> </tr> </tbody> </table>					V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	7,5	2915	24,20	0,87 S1	400	Y	50	7,5	2915	14,00	0,87 S1	460	Y	60	7,5	3520	11,80	0,89 S1
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3~Motor Insul.cl.F IP55 Eff class IE2					50Hz : IE2 - 88,5(100%) - 88,7(75%) - 88,1(50%) 60Hz : IE2 - 89,5(100%)																																
Resistance Line					Ambient: 18,0 °C U ₁ - V ₁ 0,99000 Ω U ₁ - W ₁ 0,98600 Ω V ₁ - W ₁ 0,99000 Ω																																
Insulation resistance at 17 °C R > 2000 Mohm 1000 V					Overload Current 150 % 120s Torque 160 % 15s 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 Y	50	3,4	0,39		3000	0,16																													
Locked rotor test		70,7 Y	50	13,3	0,65		0	0,40																													
Thermal test (100% load)	24,6	400 Y	50	13,6	8,52	7,50	2915	0,90	88,00																												
Partial load points:																																					
~75% load	18,3	400 Y	50	10,8	6,39	5,63	2938	0,85	88,10																												
~50% load	12,1	400 Y	50	7,4	4,28	3,75	2967	0,83	87,60																												
~25% load	6,0	400 Y	50	4,7	2,29	1,88	2983	0,69	82,00																												
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>53,2</td> <td>3</td> </tr> <tr> <td>Frame :</td> <td></td> <td>16,0</td> <td>3</td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td>27,0</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 :		53,2	3	Frame :		16,0	3	Bearing D-end :		27,0	3	Ambient Temperature :	25		3	Measurement method 1 Resistance 2 Thermometer 3 Thermocouples									
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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 13.2.2008																																					
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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