



Type Test Report				Date of issue: 2012.02.22																			
Customer:				Serial No.: 3GE120513P0341																			
				Type: M3AA 132 MC 6 Product Code: 3GAA133444-_HE																			
Customer ref.:																							
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>415</td> <td>D</td> <td>50</td> <td>5,50</td> <td>975</td> <td>12,6</td> <td>0,68</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	415	D	50	5,50	975	12,6	0,68	S1
V	Hz	kW	r/min	A	cos φ	Duty																	
415	D	50	5,50	975	12,6	0,68	S1																
3~Motor Insul.cl.F IP55 Eff class IE3		50Hz : IE3 - 88,7(100%) - 88,6(75%) - 87(50%)																					
Resistance Line		Ambient: 13,1 °C		Insulation resistance at 25 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																	
U ₁ - V ₁		1,16200 Ω																					
U ₁ - W ₁		1,16200 Ω																					
V ₁ - W ₁		1,16300 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		415 D	50	7,8	0,33		1000	0,06															
Locked rotor test		108,3 D	50	12,8	0,79		0	0,33															
Thermal test (100% load)	53,9	415 D	50	12,6	6,20	5,50	975	0,68	88,70														
Partial load points:																							
~75% load	40,1	415 D	50	10,6	4,66	4,13	983	0,61	88,60														
~50% load	26,6	415 D	50	9,1	3,16	2,75	989	0,48	87,00														
~25% load	13,2	415 D	50	7,9	1,72	1,38	995	0,30	79,90														
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method															
Stator winding :				40,2		3		1 Resistance															
Frame :				24,2		3		2 Thermometer															
Bearing D-end :				24,9		3		3 Thermocouples															
Ambient Temperature :		25				3																	
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		21.2.2012																			
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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