



Type Test Report					Date of issue: 2011.12.19						
Customer:					Serial No.: 3GE105113S7723						
					Type: M3AA 132MB 6					Product Code: 3GAA133443-_HE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	D 50	4,00	980	11,10	0,58	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 85,9(100%) - 84,6(75%) - 81,2(50%)						
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub>					Ambient: 18,0 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					1,37000 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					1,37200 Ω						
					1,37300 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	8,5	0,39		1000	0,06			
Locked rotor test		112,2 D	50	13,3	0,97		0	0,38			
Thermal test ( 100% load )	39,0	415 D	50	11,1	4,66	4,00	980	0,58	85,90		
Partial load points:											
~75% load	29,1	415 D	50	9,8	3,55	3,00	985	0,50	84,60		
~50% load	19,3	415 D	50	8,7	2,46	2,00	990	0,39	81,20		
~25% load	9,6	415 D	50	8,2	1,42	1,00	995	0,24	70,40		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				37,0	3			1 Resistance			
Frame :				21	3			2 Thermometer			
Bearing D-end :				24,4	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			1.2.2011					
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain							Telephone		+34 93 728 85 00		
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