



Type Test Report					Date of issue: 2012.03.06						
Customer:					Serial No.: 3GE100813T0004						
					Type: M3AA 132 MA 4 HO					Product Code: 3GAA132003-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	11,00	1440	38,10	0,82	S1
Insul.cl.F					400	Y 50	11,00	1440	22,00	0,82	S1
IP55					460	Y 60	11,00	1750	18,80	0,81	S1
Eff class IE1					50Hz : IE1 - 87,7(100%) - 90,2(75%) - 90,8(50%)						
60Hz : IE1 - 90,2(100%)											
Resistance					Insulation resistance at 25 °C					Overload	
Line Ambient: 8,6 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 0,74300 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 0,74500 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 0,74400 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 Y	50	8,7	0,39		1500	0,06			
Locked rotor test		97 Y	50	22,0	1,68		0	0,45			
Thermal test ( 100% load )	72,9	400 Y	50	21,7	12,67	11,00	1441	0,84	86,80		
Partial load points:											
~75% load	54,0	400 Y	50	17,0	9,32	8,25	1458	0,79	88,50		
~50% load	35,6	400 Y	50	12,9	6,18	5,50	1474	0,69	89,00		
~25% load	17,6	400 Y	50	9,9	3,16	2,75	1490	0,46	86,90		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				86,3	3			1 Resistance			
Frame :				42,9	3			2 Thermometer			
Bearing D-end :				61,1	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			23.3.2010					
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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