



Type Test Report					Date of issue: 2012.05.03						
Customer:					Serial No.: 3GE121509T0002						
					Type: M3AA 090 LB 8 HO					Product Code: 3GAA094003-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	0,75	635	5,10	0,6	S1
Insul.cl.F					400	Y 50	0,75	635	3,00	0,6	S1
IP55					460	Y 60	0,75	810	2,70	0,52	S1
Resistance					Insulation resistance at 25 °C					Overload	
Line Ambient: 17,5 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 16,78000 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 16,78000 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 16,78000 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	2,8	0,34		750	0,18			
Locked rotor test		152,4 Y	50	2,7	0,47		0	0,66			
Thermal test ( 100% load )	10,5	400 Y	50	3,1	1,26	0,75	685	0,57	59,70		
Partial load points:											
~75% load	7,6	400 Y	50	2,7	0,95	0,56	704	0,49	59,00		
~50% load	5,0	400 Y	50	2,6	0,71	0,38	720	0,39	52,60		
~25% load	2,4	400 Y	50	2,5	0,50	0,19	734	0,28	37,80		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					80,4	3			1 Resistance		
Frame :					64,8	3			2 Thermometer		
Bearing D-end :					71,4	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			25.4.2012					
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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