



Type Test Report				Date of issue: 4.11.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3AA 100 LB 8 Product Code: 3GAA104520-DE							
Rating:				V	Hz	kW	r/min	A	η [%]	Duty	
3-Motor				690	Y 50	1,10	695	1,83	0,66	S1	
Insul.cl.F				400	D 50	1,10	695	3,10	0,66	S1	
IP55				460	D 60	1,10	860	3,10	0,57	S1	
Eff class IE2				50Hz : IE2 - 76,0%(100%) - 74,9%(75%) - 70,9%(50%) 60Hz : IE2 - 77,4%(100%)							
Resistance Line		Ambient: 26,0 °C		Insulation resistance at 26 °C R > 2000 Mohm 1000 V				Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁		11,09000 Ω									
U ₁ - W ₁		11,10000 Ω									
V ₁ - W ₁		11,10000 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 D	50	2,9	0,24		750	0,12			
Locked rotor test		128 D	50	3,5	0,47		0	0,61			
Thermal test (100% load)	15,0	400 D	50	3,4	1,51	1,10	702	0,63	72,90		
Partial load points:											
~75% load	11,0	400 D	50	3,1	1,15	0,83	715	0,53	71,70		
~50% load	7,2	400 D	50	2,8	0,82	0,55	727	0,42	67,20		
~25% load	3,6	400 D	50	2,6	0,51	0,28	738	0,28	53,70		
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method				
Stator winding :				56,3	3		1 Resistance				
Frame :				30	3		2 Thermometer				
Bearing D-end :				35	3		3 Thermocouples				
Ambient Temperature :		25			3						
<p>These tests have been carried out on motor no. 3GE082710T1108, on date 2008-07-23 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>											
On behalf of customer											
On behalf of manufacturer Date of test											
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain											
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