



Type Test Report				Date of issue: 4.11.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3AA 100 LD 4 Product Code: 3GAA102540-_SE							
Rating:				V	Hz	kW	r/min	A	η [%]	Duty	
3-Motor				400	Y 50	3,00	1445	6,30	0,79	S1	
Insul.cl.F				230	D 50	3,00	1445	11,0	0,79	S1	
IP55				460	Y 60	3,00	1750	5,30	0,80	S1	
Eff class IE2				50Hz : IE2 - 85,7%(100%) - 86,1%(75%) - 85,1%(50%) 60Hz : IE2 - 88,2%(100%)							
Resistance Line		Ambient: 23,8 °C		Insulation resistance at 23,4 °C		R > 2000 Mohm		1000 V		Overload	
U ₁ - V ₁		3,18900 Ω								Current 150 % 120s	
U ₁ - W ₁		3,18500 Ω								Torque 160 % 15s	
V ₁ - W ₁		3,18600 Ω								Speed 120 % 120s	
				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	3,7	0,2			1500	0,08	
Locked rotor test		71,6 Y		50	6,4	0,45			0	0,57	
Thermal test (100% load)	19,9	400 Y		50	6,4	3,52	3,00		1442	0,79	85,30
Partial load points:											
~75% load	14,7	400 Y		50	5,3	2,63	2,25		1458	0,71	85,70
~50% load	9,7	400 Y		50	4,4	1,78	1,50		1473	0,58	84,40
~25% load	4,8	400 Y		50	3,9	0,98	0,75		1488	0,36	76,30
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					50,4	3		1 Resistance			
Frame :					23,3	3		2 Thermometer			
Bearing D-end :					24,1	3		3 Thermocouples			
Ambient Temperature :				25		3					
<p>These tests have been carried out on motor no. 3GE101710T3004, on date 2010-05-11 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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