



Type Test Report				Date of issue: 2011-10-05							
Customer:				Serial No.: 3GA110808T7504							
Customer ref.:				Type: M2AA 80B 4 Product Code: 3GAA082002-_SE							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				230	D	50	1400	3,40	0,73	S1	
Insul.cl.F				400	Y	50	1400	2,00	0,73	S1	
IP55				460	Y	60	1710	1,77	0,68	S1	
Eff class IE1				50Hz : IE1 - 73,0(100%) - 75,4(75%) - 73,6(50%) 60Hz : IE1 - 78,1(100%)							
Resistance				Insulation resistance at 25 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150% 120s Torque 160% 15s Speed 120% 120s			
U ₁ - V ₁				Ambient: 18,0 °C				High-voltage test winding 2400 V 60 s			
U ₁ - W ₁				19,76000 Ω							
V ₁ - W ₁				19,80000 Ω							
				19,79000 Ω							
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	1,39	0,12		1500	0,12			
Locked rotor test		94,7 Y	50	1,87	0,22		0	0,73			
Thermal test (100% load)	5,1	400 Y	50	2,0	1,03	0,75	1400	0,73	73,00		
Partial load points:											
~75% load	3,8	400 Y	50	1,74	0,75	0,56	1423	0,62	75,40		
~50% load	2,5	400 Y	50	1,53	0,51	0,38	1450	0,48	73,60		
~25% load	1,2	400 Y	50	1,44	0,30	0,19	1476	0,30	63,30		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				60,3	3	3		1 Resistance			
Frame :				35,4	3	3		2 Thermometer			
Bearing D-end :				36,5	3	3		3 Thermocouples			
Ambient Temperature :				25	3	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				2011-03-11			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain							Telephone +34 93 728 85 00 Telefax +34 93 728 85 33				

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