



Type Test Report					Date of issue: 2011.12.19						
Customer:					Serial No.: 3GE081909T0732						
					Type: M3AA 90LB 6					Product Code: 3GAA093443-GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	0,75	935	1,93	0,71	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 76,1(100%) - 76,0(75%) - 72,7(50%)						
Resistance					Insulation resistance at 21 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 24,0 °C					Torque 160 % 15s	
U ₁ - W ₁					18,82000 Ω					Speed 120 % 120s	
V ₁ - W ₁					18,83000 Ω						
					18,81000 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		415 Y	50	1,31	0,11		1000	0,12			
Locked rotor test		111 Y	50	2,0	0,26		0	0,68			
Thermal test (100% load)	7,7	415 Y	50	1,93	0,99	0,75	935	0,71	76,10		
Partial load points:											
~75% load	5,6	415 Y	50	1,66	0,74	0,56	952	0,62	76,00		
~50% load	3,7	415 Y	50	1,44	0,52	0,38	969	0,50	72,70		
~25% load	1,8	415 Y	50	1,34	0,31	0,19	985	0,32	60,40		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					39,0	3			1 Resistance		
Frame :					19	3			2 Thermometer		
Bearing D-end :					20	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			13.6.2008					
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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