



Type Test Report				Date of issue: 2012.03.06						
Customer:				Serial No.: 3GE101436T0000						
				Customer ref.:				Type: M3AA 132 SMD 4 HO		
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	17,50	1450	22,00	0,74	S1
Insul.cl.F				400	D 50	17,50	1450	38,20	0,74	S1
IP55				460	D 60	17,50	1755	32,00	0,75	S1
Eff class IE1				50Hz : IE1 - 89,3(100%) - 90,7(75%) - 90,4(50%) 60Hz : IE1 - 91,3(100%)						
Resistance				Insulation resistance at 28,8 °C				Overload		
Line				R > 2000 Mohm 1000 V				Current 150 % 120s		
U ₁ - V ₁				Ambient: 25,1 °C				Torque 160 % 15s		
U ₁ - W ₁				0,35600 Ω				Speed 120 % 120s		
V ₁ - W ₁				0,35700 Ω				High-voltage test winding 2400 V 60 s		
0,35800 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 D	50	19,8	0,71		1500	0,05		
Locked rotor test		83,8 D	50	37,6	2,29		0	0,42		
Thermal test (100% load)	115,5	400 D	50	36,1	19,77	17,50	1447	0,79	88,50	
Partial load points:										
~75% load	85,7	400 D	50	28,6	14,68	13,13	1462	0,74	89,40	
~50% load	56,6	400 D	50	22,4	9,82	8,75	1475	0,63	89,10	
~25% load	28,1	400 D	50	17,7	5,16	4,38	1488	0,42	84,80	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				101,6	3			1 Resistance		
Frame :				68,8	3			2 Thermometer		
Bearing D-end :				49,1	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			16.9.2010				
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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