



Type Test Report					Date of issue: 2012.03.06						
Customer:					Serial No.: 3GE101436T0000						
					Type: M3AA 132 SMD 4 HO					Product Code: 3GAA132007-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	17,50	1450	66,10	0,74	S1
Insul.cl.F					400	Y 50	17,50	1450	38,20	0,74	S1
IP55					460	Y 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 <sub>1</sub> - V <sub>1</sub>					Ambient: 25,1 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					0,35600 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					0,35700 Ω						
					0,35800 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 Y	50	19,8	0,71		1500	0,05			
Locked rotor test		83,8 Y	50	37,6	2,29		0	0,42			
Thermal test ( 100% load )	115,5	400 Y	50	36,1	19,77	17,50	1447	0,79	88,50		
Partial load points:											
~75% load	85,7	400 Y	50	28,6	14,68	13,13	1462	0,74	89,40		
~50% load	56,6	400 Y	50	22,4	9,82	8,75	1475	0,63	89,10		
~25% load	28,1	400 Y	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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