



<b>Type Test Report</b>				Date of issue: 4.11.2015															
Customer:				Serial No.:															
Customer ref.:				Type: M3AA 132 SMF 4 HO Product Code: 3GAA132260-_DE															
Rating:		V		Hz		kW		r/min		A		η [%]		Duty					
3-Motor		690		Y 50		11,00		1460		12,40		0,79		S1					
Insul.cl.F		400		D 50		11,00		1460		21,50		0,79		S1					
IP55		460		D 60		11,00		1765		18,70		0,80		S1					
Eff class IE2		50Hz :		IE2 - 90,4%(100%) - 90,8%(75%) - 89,9%(50%)															
		60Hz :		IE2 - 91,5%(100%)															
Resistance Line				Ambient: 17,4 °C				Insulation resistance at 23,6 °C				Overload							
U <sub>1</sub> - V <sub>1</sub>				0,57600 Ω				R > 2000 Mohm 1000 V				Current 150 % 120s							
U <sub>1</sub> - W <sub>1</sub>				0,57600 Ω								Torque 160 % 15s							
V <sub>1</sub> - W <sub>1</sub>				0,57700 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 D		50		9,4		0,45				1500		0,07			
Locked rotor test				76,1 D		50		21,3		0,93				0		0,33			
Thermal test ( 100% load )		71,9		400 D		50		21,5		12,22		11,00		1461		0,82		90,00	
Partial load points:																			
~75% load		53,5		400 D		50		17,0		9,12		8,25		1472		0,77		90,50	
~50% load		35,4		400 D		50		13,6		6,14		5,50		1482		0,65		89,60	
~25% load		17,6		400 D		50		10,9		3,25		2,75		1492		0,43		84,50	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				52,4		3		1 Resistance											
Frame :				25,3		3		2 Thermometer											
Bearing D-end :				38,3		3		3 Thermocouples											
Ambient Temperature :				25		3													
<p>These tests have been carried out on motor no. 3GE081913T0761, on date 2008-12-11 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												Telephone +34 93 728 85 00		Telefax +34 93 728 85 33					

Computer print-out valid without signature.