



Type Test Report				Date of issue: 4.11.2015								
Customer:				Serial No.:								
Customer ref.:				Type: M3AA 132 SC 2 Product Code: 3GAA131130-_SE								
Rating:				V	Hz	kW	r/min	A	η [%]	Duty		
3-Motor				400	Y 50	7,50	2915	13,60	0,88	S1		
Insul.cl.F				230	D 50	7,50	2915	7,90	0,88	S1		
IP55				460	Y 60	7,50	3525	12,00	0,89	S1		
Eff class IE2				50Hz : IE2 - 88,5%(100%) - 89,1%(75%) - 88,5%(50%) 60Hz : IE2 - 89,5%(100%)								
Resistance Line		Ambient: 18,0 °C		Insulation resistance at 17 °C R > 2000 Mohm 1000 V				Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s				
U ₁ - V ₁		0,99000 Ω										
U ₁ - W ₁		0,98600 Ω										
V ₁ - W ₁		0,99000 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	3,4		0,39			3000	0,16	
Locked rotor test		70,7 Y		50	13,3		0,65			0	0,40	
Thermal test (100% load)	24,6	400 Y		50	13,6		8,52	7,50		2915	0,90	88,00
Partial load points:												
~75% load	18,3	400 Y		50	10,8		6,39	5,63		2938	0,85	88,10
~50% load	12,1	400 Y		50	7,4		4,28	3,75		2967	0,83	87,60
~25% load	6,0	400 Y		50	4,7		2,29	1,88		2983	0,69	82,00
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method				
Stator winding :					53,2	3		1 Resistance				
Frame :					16,0	3		2 Thermometer				
Bearing D-end :					27,0	3		3 Thermocouples				
Ambient Temperature :				25		3						
<p>These tests have been carried out on motor no. 3GE080413T7502, on date 2008-02-13 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				

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