



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 SMH 4 HO Product Code: 3GAA132280-DE																																
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>η [%]</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>3-Motor</td> <td>690 Y 50</td> <td>15,00</td> <td>1455</td> <td>17,20</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400 D 50</td> <td>15,00</td> <td>1455</td> <td>29,80</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>460 D 60</td> <td>15,00</td> <td>1760</td> <td>26,00</td> <td>0,78</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	3-Motor	690 Y 50	15,00	1455	17,20	0,77	S1	Insul.cl.F	400 D 50	15,00	1455	29,80	0,77	S1	IP55	460 D 60	15,00	1760	26,00	0,78	S1
V	Hz	kW	r/min	A	η [%]	Duty																														
3-Motor	690 Y 50	15,00	1455	17,20	0,77	S1																														
Insul.cl.F	400 D 50	15,00	1455	29,80	0,77	S1																														
IP55	460 D 60	15,00	1760	26,00	0,78	S1																														
Eff class IE2		50Hz : IE2 - 90,6%(100%) - 91,0%(75%) - 90,3%(50%) 60Hz : IE2 - 91,7%(100%)																																		
Resistance Line		Ambient: 24,5 °C		Insulation resistance at 25,5 °C		Overload																														
U ₁ - V ₁		0,39700 Ω		R > 2000 Mohm		Current 150 % 120s																														
U ₁ - W ₁		0,39600 Ω		1000 V		Torque 160 % 15s																														
V ₁ - W ₁		0,39400 Ω		High-voltage test winding		Speed 120 % 120s																														
				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	14,8	0,57		1500	0,06																												
Locked rotor test		82,4 D	50	30,9	1,88		0	0,43																												
Thermal test (100% load)	98,5	400 D	50	29,8	16,74	15,00	1454	0,81	89,60																											
Partial load points:																																				
~75% load	73,3	400 D	50	23,9	12,47	11,25	1466	0,75	90,20																											
~50% load	48,5	400 D	50	18,8	8,36	7,50	1477	0,64	89,70																											
~25% load	24,1	400 D	50	15,0	4,39	3,75	1488	0,42	85,40																											
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																													
Stator winding :				87,8	3		1 Resistance																													
Frame :				38,5	3		2 Thermometer																													
Bearing D-end :				52,4	3		3 Thermocouples																													
Ambient Temperature :		25			3																															
<p>These tests have been carried out on motor no. 3GE101016T0001, on date 2011-06-01 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.