



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GE120333T0002							
Customer ref.:				Type: M3GP 132 SME 2 Product Code: 3GGP131445-_HB Protection type: Ex nA IIC T3 Gc Cert. No.: VTT 12 ATEX 050 X / IECEx VTT 12.0010 X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor Insul.cl.F IP55 Eff class IE2				415	D 50	7,50	2910	12,90	0,9	S1	
50Hz : IE2 - 89,8(100%) - 90(75%) - 89(50%)											
Resistance Line				Ambient: 11,9 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,92200 Ω				R > 2000 Mohm		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,92100 Ω						Current 150 % 120s	
V <sub>1</sub> - W <sub>1</sub>				0,92200 Ω						Torque 160 % 15s	
								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			415 D	50	3,9	0,33		3000	0,12		
Locked rotor test			69,7 D	50	13,0	0,64		0	0,41		
Thermal test ( 100% load )		24,6	415 D	50	12,9	8,35	7,50	2912	0,90	89,80	
Partial load points:											
~75% load		18,3	415 D	50	9,8	6,25	5,63	2934	0,88	90,00	
~50% load		12,1	415 D	50	7,2	4,21	3,75	2957	0,81	89,00	
~25% load		6,0	415 D	50	4,9	2,24	1,88	2979	0,63	83,70	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				48,6		3		1 Resistance			
Frame :				9,4		3		2 Thermometer			
Bearing D-end :				28,1		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				7.2.2012			
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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