



Type Test Report				Date of issue: 2013.12.19							
Customer:				Serial No.: 3GE121633T0002							
Customer ref.:				Type: M3GP 132 SME 8 Product Code: 3GGP134444-_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				415	D 50	3,00	720	8,10	0,63	S1	
Resistance Line				Ambient: 19,5 °C				Insulation resistance at 25 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s	
				U ₁ - V ₁ 2,47000 Ω							
				U ₁ - W ₁ 2,47100 Ω							
				V ₁ - W ₁ 2,47400 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		415 D	50	6,1	0,38		750	0,09			
Locked rotor test		91,7 D	50	6,5	0,44		0	0,43			
Thermal test (100% load)	39,7	415 D	50	8,1	3,69	3,00	722	0,63	81,30		
Partial load points:											
~75% load	29,4	415 D	50	7,4	2,84	2,25	730	0,53	79,10		
~50% load	19,4	415 D	50	6,6	1,95	1,50	738	0,41	76,80		
~25% load	9,6	415 D	50	6,0	1,14	0,75	744	0,26	65,70		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				52,7	3			1 Resistance			
Frame :				23,1	3			2 Thermometer			
Bearing D-end :				30	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 8.5.2012							
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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