



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GE121633T0001							
Customer ref.:				Type: M3GP 132 SMB 8 Product Code: 3GGP134443-_GB 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	Y 50	2,20	730	7,00	0,55	S1	
Resistance Line				Ambient: 17,4 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				3,21700 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				3,22100 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				3,21400 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		415 Y	50	5,6	0,36		750	0,09			
Locked rotor test		100,2 Y	50	6,5	0,47		0	0,42			
Thermal test ( 100% load )	28,7	415 Y	50	7,0	2,77	2,20	731	0,55	79,50		
Partial load points:											
~75% load	21,4	415 Y	50	6,4	2,13	1,65	736	0,46	77,60		
~50% load	14,2	415 Y	50	6,0	1,52	1,10	741	0,35	72,60		
~25% load	7,0	415 Y	50	5,5	0,92	0,55	745	0,23	59,50		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				44,4	3			1 Resistance			
Frame :				15,7	3			2 Thermometer			
Bearing D-end :				23,7	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				3.5.2012			
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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