



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GH074909T1502							
Customer ref.:				Type: M3GP 90SLB 2 Product Code: 3GGP091442-_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 Eff class IE2				415	Y 50	1,50	2900	2,80	0,88	S1	
50Hz : IE2 - 83,0(100%) - 83,1(75%) - 81,1(50%)											
Resistance Line				Ambient: 18,0 °C				Insulation resistance at 18 °C		Overload	
U ₁ - V ₁				7,30000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				7,28000 Ω						Torque 160 % 15s	
V ₁ - W ₁				7,29000 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	1,13	0,13		3000	0,16			
Locked rotor test		75 Y	50	3,0	0,19		0	0,49			
Thermal test (100% load)	4,9	415 Y	50	2,8	1,81	1,50	2901	0,88	83,00		
Partial load points:											
~75% load	3,7	415 Y	50	2,2	1,35	1,13	2928	0,85	83,10		
~50% load	2,4	415 Y	50	1,68	0,92	0,75	2958	0,76	81,10		
~25% load	1,2	415 Y	50	1,24	0,52	0,38	2975	0,58	72,30		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				48,3	3	3		1 Resistance			
Frame :				13	3	3		2 Thermometer			
Bearing D-end :				23	3	3		3 Thermocouples			
Ambient Temperature :				25	3	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				21.12.2007			
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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