



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GH093810T1506							
Customer ref.:				Type: M3GP 100L 6 Product Code: 3GGP103442-_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	955	3,70	0,69	S1	
50Hz : IE2 - 81,2(100%) - 81,4(75%) - 79,2(50%)											
Resistance Line				Ambient: 22,0 °C				Insulation resistance at 30 °C		Overload	
U ₁ - V ₁				7,27000 Ω				R > 2000 Mohm		1000 V	
U ₁ - W ₁				7,27000 Ω						Current 150 % 120s	
V ₁ - W ₁				7,26000 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 Y	50	2,5	0,16		1000	0,09			
Locked rotor test		120,3 Y	50	3,8	0,36		0	0,45			
Thermal test (100% load)	15,0	415 Y	50	3,7	1,85	1,50	955	0,69	81,20		
Partial load points:											
~75% load	11,1	415 Y	50	3,0	1,38	1,13	967	0,62	81,40		
~50% load	7,3	415 Y	50	2,6	0,95	0,75	979	0,49	79,20		
~25% load	3,6	415 Y	50	2,3	0,54	0,38	989	0,32	70,00		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				39,3	3	3		1 Resistance			
Frame :				23,9	3	3		2 Thermometer			
Bearing D-end :				26,1	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				8.10.2009			
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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