



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GE120330T0002							
Customer ref.:				Type: M3GP 100 LE 4 Product Code: 3GGP102445-_GE 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	3,00	1450	5,80	0,83	S1	
50Hz : IE2 - 86,1(100%) - 86,7(75%) - 85,7(50%)											
Resistance Line				Ambient: 12,5 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				3,22600 Ω				R > 2000 Mohm		1000 V	
U ₁ - W ₁				3,22100 Ω						Current 150 % 120s	
V ₁ - W ₁				3,22800 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	3,2	0,19		1500	0,08		
Locked rotor test			79,1 Y	50	6,1	0,46		0	0,55		
Thermal test (100% load)		19,8	415 Y	50	5,8	3,48	3,00	1448	0,83	86,10	
Partial load points:											
~75% load		14,7	415 Y	50	4,6	2,60	2,25	1462	0,77	86,70	
~50% load		9,7	415 Y	50	3,7	1,75	1,50	1476	0,65	85,70	
~25% load		4,8	415 Y	50	3,0	0,97	0,75	1487	0,44	77,10	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				48,0	3			1 Resistance			
Frame :				20,8	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				5.3.2012			
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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