



Type Test Report					Date of issue: 2014.01.13				
Customer:					Serial No.: 3GH072510T1108				
Customer ref.:					Type: M3GP 100LC 8				
					Product Code: 3GGP104443-_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	1,10	705	3,20	0,63	S1	
Resistance					Insulation resistance at 26 °C			Overload	
Line		Ambient: 28,0 °C			R > 2000 Mohm 1000 V		Current 150 % 120s		
U ₁ - V ₁		12,07000 Ω					Torque 160 % 15s		
U ₁ - W ₁		12,07000 Ω					Speed 120 % 120s		
V ₁ - W ₁		12,09000 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 Y	50	2,5	0,21		750	0,12	
Locked rotor test		83 Y	50	2,1	0,17		0	0,56	
Thermal test (100% load)	14,9	415 Y	50	3,2	1,47	1,10	707	0,63	74,90
Partial load points:									
~75% load	11,0	415 Y	50	2,8	1,12	0,83	719	0,54	73,80
~50% load	7,2	415 Y	50	2,6	0,79	0,55	731	0,42	69,40
~25% load	3,5	415 Y	50	2,5	0,49	0,28	741	0,27	55,80
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				51,7	3			1 Resistance	
Frame :				34	3			2 Thermometer	
Bearing D-end :				29	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		6.7.2007				
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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