



Test Report				Date of issue: 1.6.2015					
				Serial No.:					
				Type: M3GP 160MLB 6					
				Product Code: 3GGP163420-ADL					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X /					
				IECEX LCIE 13.0047 X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	11,0	975	13,1	0,78	S1		
Insul.cl.F	400	D 50	11,0	975	22,5	0,78	S1		
IP55	415	D 50	11,0	977	22,0	0,77	S1		
Eff class IE3	440	D 60	11,0	1177	20,4	0,77	S1		
	460	D 60	11,0	1179	19,8	0,76	S1		
50Hz: IE3-90,3%(100%)-91,1%(75%)-91,1%(50%)									
60Hz: IE3-91,7%(100%)									
Resistance			Insulation resistance at 82 °C			Overload			
Line	Ambient: 26 °C		2000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁	0,53230 Ω						Speed 120% 120s		
U ₁ - W ₁	0,53120 Ω						Current 150% 15s		
V ₁ - W ₁	0,53250 Ω								
				High-voltage test winding		1900 V		60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]
No load test		400,5 D	50	10,8	0,35		998	0,05	
Locked rotor test		94,2 D	50	22,4	1,16		0	0,32	
Thermal test (100% load)	107,4	399,8 D	50	22,5	12,2	11,0	975	0,78	90,2
Partial load points:									
~75% load	80,7	400,8 D	50	18,2	9,1	8,3	982	0,72	91,1
~50% load	53,9	400,9 D	50	14,5	6,1	5,5	989	0,60	91,0
~25% load	26,8	401,3 D	50	11,7	3,1	2,8	994	0,39	87,5
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method	
Stator winding :				52		1		1 Resistance	
Frame :				27		2		2 Thermocouples	
Bearing D-end :				31		2		3 Thermometer	
Rotor:				73		3			
Ambient Temperature :		25				2			
These tests have been carried out on motor no. 3G1P141700176, on date 2014-07-23 which is identical in design with the above.									
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					
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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