



Test Report				Date of issue: 1.6.2015					
Customer:				Serial No.:					
Customer ref.:				Type: M3GP 180MLA 2					
				Product Code: 3GGP181410-ADL					
				Protection type: Ex tc IIIB/C T125C Dc					
				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	22,0	2956	21,8	0,90	S1	
Insul.cl.F		400	D 50	22,0	2956	37,7	0,90	S1	
		415	D 50	22,0	2959	36,7	0,89	S1	
Eff class IE3		440	D 60	22,0	3557	34,1	0,90	S1	
		460	D 60	22,0	3560	33,0	0,89	S1	
50Hz: IE3-92,7%(100%)-93,1%(75%)-92,7%(50%)									
60Hz: IE3-91,7%(100%)									
Resistance		Ambient: 26 °C		Insulation resistance at 82 °C		Overload			
Line				2000 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁		0,21410 Ω				Speed 120% 120s			
U ₁ - W ₁		0,21400 Ω				Current 150% 15s			
V ₁ - W ₁		0,21330 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]	n[r/min]	cos φ	η [%]
No load test		400,4 D	50	10,4	0,49		2998	0,07	
Locked rotor test		65,8 D	50	38,0	1,86		0	0,43	
Thermal test (100% load)	71,2	400,1 D	50	37,7	23,5	22,0	2956	0,90	93,7
Partial load points:									
-75% load	53,4	402,5 D	50	28,8	17,5	16,5	2968	0,88	94,1
-50% load	35,5	400,6 D	50	20,8	11,7	11,0	2979	0,82	93,7
-25% load	17,8	400,8 D	50	14,0	6,1	5,5	2989	0,63	90,8
Temperature rise at rated load.		[°C] [K]		Method		Measurement method			
Stator winding :		54		1		1 Resistance			
Frame :		24		2		2 Thermocouples			
Bearing D-end :		24		2		3 Thermometer			
Rotor:		68		3					
Ambient Temperature :		25		2					
These tests have been carried out on motor no. 3G1P141700177, on date 2014-06-13 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 Telefax +34 93 728 85 33			

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