



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 160MLB 6					
				Product Code: 3GJM163420_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3087X /					
				IECEX LCI 09.0008X					
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		
IP66	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									
U ₁ - W ₁ 0,53120 Ω									
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	9,05	8,25	982	0,72	91,1
~50% load	53,9	400,9 D	50	14,5	6,05	5,50	989	0,60	91,0
~25% load	26,8	401,3 D	50	11,7	3,14	2,75	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				
<p>These tests have been carried out on motor no. 3G1P141700176, on date 2014-07-23 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>									
On behalf of customer									
On behalf of manufacturer									
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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