



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 160MLA 6 Product Code: 3GJM163410_DL Protection type: Ex d IMb 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	7,5	975	9,1	0,77	S1		
Insul.cl.F	400	D 50	7,5	975	15,7	0,77	S1		
IP66	415	D 50	7,5	976	15,4	0,76	S1		
Eff class IE3	440	D 60	7,5	1176	14,0	0,78	S1		
	460	D 60	7,5	1179	13,5	0,77	S1		
50Hz: IE3-89,1%(100%)-90,0%(75%)-90,0%(50%) 60Hz: IE3-91,0%(100%)									
Resistance				Insulation resistance at 83 °C			Overload		
Line	Ambient: 25 °C			2000 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁	0,95400 Ω								
U ₁ - W ₁	0,95500 Ω								
V ₁ - W ₁	0,95600 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		400,1 D	50	7,86	0,27		998	0,05	
Locked rotor test		100,2 D	50	15,9	0,96		0	0,35	
Thermal test (100% load)	73,5	400,1 D	50	15,7	8,42	7,50	975	0,77	89,1
Partial load points:									
~75% load	55,2	400,7 D	50	12,7	6,25	5,62	982	0,71	90,0
~50% load	36,7	401,6 D	50	10,1	4,17	3,75	988	0,59	90,0
~25% load	18,3	401,6 D	50	8,3	2,17	1,87	994	0,38	86,2
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				50	1			1 Resistance	
Frame :				28	2			2 Thermocouples	
Bearing D-end :				23	2			3 Thermometer	
Rotor:				69	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3G1P141700175, on date 2014-07-21 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			

Computer print-out valid without signature.