



Test Report				Date of issue: 19.11.2015							
				Type: M3JM 180MLA 6							
				Product Code: 3GJM183410-_DL							
				Protection type: Ex d I Mb							
				Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		690	Y 50	15,0	979	17,4	0,79	S1			
Insul.cl.F		400	D 50	15,0	979	30,1	0,79	S1			
IP66		415	D 50	15,0	980	29,6	0,77	S1			
Eff class IE3		440	D 60	15,0	1180	27,0	0,79	S1			
		460	D 60	15,0	1182	26,1	0,78	S1			
50Hz: IE3-91,2%(100%)-91,9%(75%)-91,6%(50%)											
60Hz: IE3-91,7%(100%)											
Resistance				Insulation resistance at 80 °C			Overload				
Line		Ambient: 24 °C		2000 MΩ			1000 V		Torque 160% 15s		
U <sub>1</sub> - V <sub>1</sub>		0,37530 Ω									
U <sub>1</sub> - W <sub>1</sub>		0,37430 Ω									
V <sub>1</sub> - W <sub>1</sub>		0,37590 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	13,2	0,44		998	0,05			
Locked rotor test		102,1 D	50	30,9	1,66		0	0,30			
Thermal test (100% load)	146,7	400,2 D	50	30,1	16,4	15,0	979	0,79	91,4		
Partial load points:											
~75% load	110,0	400,6 D	50	24,0	12,2	11,3	985	0,73	92,1		
~50% load	73,4	400,1 D	50	18,8	8,17	7,50	990	0,63	91,8		
~25% load	36,4	400,7 D	50	14,9	4,25	3,75	995	0,41	88,3		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				48	1			1 Resistance			
Frame :				23	2			2 Thermocouples			
Bearing D-end :				24	2			3 Thermometer			
Rotor :				71	3						
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 3G1P141700180, on date 2014-06-20 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by Asea Brown Boveri, S.A., Fabrica Motores, 08192 Sant Quirze del Valles, Spain</p> <p>Telephone +34 93 728 85 00 Telefax +34 93 728 85 33</p>											

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