



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 225SMB 4						
				Product Code: 3GJM222220-_DG						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 10 ATEX 3057X / IECEX LCI 04.0005X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	37	1480	39,5	0,85	S1		
Insul.cl.F		400	D 50	37	1480	69,0	0,85	S1		
IP66		415	D 50	37	1482	67,2	0,83	S1		
Eff class IE2		50Hz : IE2 - 93.6%(100%) - 93.9%(75%) - 93.4%(50%)								
Resistance				Insulation resistance at 44 °C			Overload			
Line		Ambient: 21 °C		10000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,09732 Ω								
U ₁ - W ₁		0,09729 Ω								
V ₁ - W ₁		0,09725 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		400,0 D	50	23,8	0,95		1500	0,06		
Locked rotor test		79,2 D	50	69,1	3,59		0	0,38		
Thermal test (100% load)	238,8	400,1 D	50	67,8	39,7	37,0	1479	0,84	93,3	
Partial load points:										
~75% load	178,9	400,1 D	50	52,8	29,7	27,8	1484	0,81	93,6	
~50% load	119,4	400,2 D	50	39,5	19,9	18,5	1489	0,73	93,1	
~25% load	59,6	400,2 D	50	28,8	10,3	9,25	1495	0,52	89,7	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				60	1			1 Resistance		
Frame :				36	2			2 Thermocouples		
Bearing D-end :				41	2			3 Thermometer		
Rotor:				94	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 0925-010304200, on date 2010-03-11, which is identical in electrical 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 ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372				

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