



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 250SMB 2					
				Product Code: 3GJM251220-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3063X /					
				IECEX LCI 04.0012X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	75	2969	75,3	0,89	S1	
Insul.cl.F		400	D 50	75	2969	129	0,89	S1	
IP66		415	D 50	75	2972	124	0,89	S1	
Eff class IE2		50Hz : IE2 - 93,8%(100%) - 93,9%(75%) - 93,2%(50%)							
Resistance				Insulation resistance at 38 °C			Overload		
Line		Ambient: 23 °C		5700 MΩ		1000 V		Torque 160% 15s	
U ₁ - V ₁		0,03631 Ω							
U ₁ - W ₁		0,03632 Ω							
V ₁ - W ₁		0,03631 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		400,1 D	50	29,1	2,16		2998	0,11	
Locked rotor test		75,5 D	50	129,4	4,82		0	0,28	
Thermal test (100% load)	241,2	400,4 D	50	129,7	80,0	75,0	2969	0,89	93,7
Partial load points:									
~75% load	180,7	400,6 D	50	98,8	60,0	56,3	2980	0,88	93,8
~50% load	120,3	400,9 D	50	70,2	40,3	37,5	2988	0,83	93,0
~25% load	60,7	400,5 D	50	44,9	21,1	18,8	2997	0,68	89,0
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				65	1			1 Resistance	
Frame :				33	2			2 Thermocouples	
Bearing D-end :				46	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10034460, on date 2010-09-17, 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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