



Test Report				Date of issue: 20.11.2015						
				Type: M3JM 355SMB 2						
				Product Code: 3GJM351220_DG						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 10 ATEX 3089 X / IECEX LCI 04.0008X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	315	2980	308	0,89	S1		
Insul.cl.F		400	D 50	315	2980	531	0,89	S1		
IP66		415	D 50	315	2982	511	0,89	S1		
Eff class IE2		50Hz: IE2 - 95,7%(100%) - 95,6%(75%) - 95,0%(50%)								
Resistance				Insulation resistance at 46 °C				Overload		
Line		Ambient: 21 °C		20000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,00439 Ω								
U ₁ - W ₁		0,00440 Ω								
V ₁ - W ₁		0,00438 Ω								
				High-voltage test winding			2400 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	124,7	5,73		3000	0,07		
Locked rotor test		66,1 D	50	533,0	16,3		0	0,27		
Thermal test (100% load)	1009	400,4 D	50	529,4	327,5	315,0	2980	0,89	96,2	
Partial load points:										
~75% load	755,5	400,6 D	50	404,0	245,7	236,3	2986	0,88	96,1	
~50% load	501,0	400,8 D	50	287,1	164,9	157,5	2991	0,83	95,5	
~25% load	254,5	400,9 D	50	184,7	84,9	78,8	2996	0,66	92,8	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
		Stator winding :		67	1			1 Resistance		
		Frame :		31	2			2 Thermocouples		
		Bearing D-end :		50	2			3 Thermometer		
		Ambient Temperature :		25	2					
These tests have been carried out on motor no. 3GF10045532, on date 2011-02-17, which is identical in electrical design with the above.							Starting current (I _S / I _N) : 6,98			
							Locked rotor torque (T _I / T _N) : 2,09			
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
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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