



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 315SMB 2						
				Product Code: 3GJM311220-_DK						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3090 X / IECEX LCI 04.0007X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	110	2982	110	0,88	S1		
Insul.cl.F		400	D 50	110	2982	189	0,88	S1		
IP66		660	Y 50	110	2980	113	0,89	S1		
		380	D 50	110	2980	197	0,89	S1		
		415	D 50	110	2984	184	0,87	S1		
		460	D 60	110	3598	165	0,88	S1		
		50Hz : IE3 - 95.9%(100%)-95.9%(75%)-95.4%(50%)								
Eff class IE3		60Hz : IE3 - 95.3%(100%)								
Resistance				Insulation resistance at 36 °C						
Line		Ambient: 22 °C		20000 MΩ		1000 V				
U ₁ - V ₁		0,01747 Ω								
U ₁ - W ₁		0,01741 Ω								
V ₁ - W ₁		0,01746 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]	η[r/min]	cos φ	η [%]	
No load test		400,1 D	50	52,4	1,72		3000	0,05		
Locked rotor test		65,9 D	50	190,1	5,15		0	0,24		
Thermal test (100% load)	352,3	400,2 D	50	188,5	114,0	110,0	2984	0,87	96,5	
Partial load points:										
~75% load	264,2	400,3 D	50	145,5	85,5	82,5	2988	0,85	96,5	
~50% load	174,2	400,6 D	50	105,9	57,3	55,0	2993	0,78	95,9	
~25% load	85,8	400,6 D	50	72,5	29,4	27,5	2997	0,59	93,4	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				46	1			1 Resistance		
Frame :				20	2			2 Thermocouples		
Bearing D-end :				29	2			3 Thermometer		
Rotor:				51	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094704, on date 2011-12-18 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 ABB Oy, Motors and Generators, Vaasa, Finland</p>										
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