



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 280SMB 6					
				Product Code: 3GJM283220-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3089X / IECEX LCI 04.0006X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	55	990	58,5	0,84	S1	
Insul.cl.F		400	D 50	55	990	100	0,84	S1	
IP66		415	D 50	55	991	98,3	0,83	S1	
Eff class IE2		50Hz : IE2 - 93.8%(100%) - 94.2%(75%) - 93.9%(50%)							
Resistance				Insulation resistance at 64 °C			Overload		
Line		Ambient: 25 °C		22000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,06082 Ω							
U ₁ - W ₁		0,06078 Ω							
V ₁ - W ₁		0,06075 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	31,1	1,21		1000	0,06	
Locked rotor test		85,3 D	50	100,9	4,60		0	0,31	
Thermal test (100% load)	530,6	400,1 D	50	100,9	58,8	55,0	989	0,84	93,6
Partial load points:									
~75% load	398,5	400,2 D	50	77,8	43,9	41,3	993	0,81	94,1
~50% load	264,8	400,1 D	50	57,0	29,3	27,5	995	0,74	93,8
~25% load	131,1	400,0 D	50	40,2	15,1	13,8	998	0,54	90,9
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				59	1			1 Resistance	
Frame :				38	2			2 Thermocouples	
Bearing D-end :				45	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10030944, on date 2010-08-18, 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> <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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