



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 280SMC 6					
				Product Code: 3GJM283230-_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	75	990	79,9	0,84	S1	
Insul.cl.F		400	D 50	75	990	137	0,84	S1	
IP66		415	D 50	75	991	134	0,83	S1	
Eff class IE2		50Hz : IE2 - 94.2%(100%) - 94.7%(75%) - 94.5%(50%)							
Resistance				Insulation resistance at 54 °C			Overload		
Line		Ambient: 22 °C		2400 MΩ		1000 V		Torque 160% 15s	
U ₁ - V ₁		0,04006 Ω							
U ₁ - W ₁		0,04007 Ω							
V ₁ - W ₁		0,04009 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	42,4	1,53		1000	0,05	
Locked rotor test		86,4 D	50	136,0	6,49		0	0,35	
Thermal test (100% load)	723,5	400,1 D	50	137,4	80,2	75,0	988	0,84	93,5
Partial load points:									
~75% load	541,8	400,1 D	50	105,3	59,8	56,3	992	0,82	94,1
~50% load	360,1	400,1 D	50	76,6	39,9	37,5	994	0,75	93,9
~25% load	180,0	400,0 D	50	53,1	20,5	18,8	997	0,56	91,4
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				76	1			1 Resistance	
Frame :				55	2			2 Thermocouples	
Bearing D-end :				55	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10043909, on date 2010-10-15, 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> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

Computer print-out valid without signature.