



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 225SMC 6					
				Product Code: 3GJM223230-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3057X /					
				IECEX LCI 04.0005X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	30	989	33,3	0,81	S1	
Insul.cl.F		400	D 50	30	989	57,6	0,81	S1	
IP66		415	D 50	30	988	56,9	0,79	S1	
Eff class IE2		50Hz : IE2 - 92.7%(100%) - 92.8%(75%) - 91.9%(50%)							
Resistance				Insulation resistance at 39 °C			Overload		
Line				Ambient: 22 °C			17000 MΩ 1000 V		
U <sub>1</sub> - V <sub>1</sub>				0,13836 Ω			Torque 160% 15s		
U <sub>1</sub> - W <sub>1</sub>				0,13878 Ω					
V <sub>1</sub> - W <sub>1</sub>				0,13855 Ω					
				High-voltage test winding 2900 V			1 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		400,0 D	50	25,0	0,96		998	0,06	
Locked rotor test		73,3 D	50	57,0	2,62		0	0,36	
Thermal test (100% load)	290,6	400,1 D	50	57,6	32,4	30,0	989	0,81	92,7
Partial load points:									
~75% load	217,9	400,0 D	50	46,0	24,3	22,5	991	0,76	92,8
~50% load	145,3	400,0 D	50	35,8	16,3	15,0	993	0,66	91,9
~25% load	72,5	400,1 D	50	27,9	8,6	7,50	997	0,44	87,7
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				49	1	1 Resistance		2 Thermocouples	
Frame :				31	2	3 Thermometer			
Bearing D-end :				37	2				
Rotor:				75	3				
Ambient Temperature :				25	2				
Starting current (I <sub>S</sub> / I <sub>N</sub> ) : 7,86									
Locked rotor torque (T <sub>L</sub> / T <sub>N</sub> ) : 3,11									
These tests have been carried out on motor no. 3GF12142687, on date 2013-01-14, which is identical in electrical design with the above.									
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			

Computer print-out valid without signature.