



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 315SMC 2						
				Product Code: 3GJM311230-DL						
				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	132	2982	132	0,87	S1		
Insul.cl.F		400	D 50	132	2982	229	0,87	S1		
IP66		415	D 50	132	2983	221	0,86	S1		
		440	D 60	132	3583	207	0,88	S1		
		460	D 60	132	3585	201	0,87	S1		
Eff class IE3		50Hz: IE3-95.4%(100%)-95.4%(75%)-94.6%(50%) 60Hz: IE2-95.0%(100%)								
Resistance				Insulation resistance at 66 °C						
Line		Ambient: 26 °C		6000 MΩ 1000 V						
U ₁ - V ₁		0,01579 Ω								
U ₁ - W ₁		0,01574 Ω								
V ₁ - W ₁		0,01576 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]	n[r/min]	cos φ	η [%]	
No load test		400,0 D	50	58,2	2,93		3000	0,07		
Locked rotor test		66,9 D	50	225,9	6,82		0	0,26		
Thermal test (100% load)	422,7	400,2 D	50	228,6	138,3	132,0	2982	0,87	95,4	
Partial load points:										
~75% load	316,5	400,2 D	50	175,3	103,8	99,0	2987	0,86	95,4	
~50% load	210,6	400,2 D	50	126,2	69,8	66,0	2992	0,80	94,6	
~25% load	105,2	400,2 D	50	85,1	36,2	33,0	2996	0,61	91,3	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				66	1			1 Resistance		
Frame :				35	2			2 Thermocouples		
Bearing D-end :				41	2			3 Thermometer		
Rotor :				84	3					
Ambient Temperature :				25	2					
These tests have been carried out on motor no. 3GF13167853, on date 2013-07-31 which is identical in 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.