



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315SMC 2					
				Product Code: 3GJM311230-_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	132	2986	131	0,88	S1	
Insul.cl.F		400	D 50	132	2986	226	0,88	S1	
IP66		660	Y 50	132	2983	136	0,88	S1	
		380	D 50	132	2983	235	0,88	S1	
		415	D 50	132	2985	220	0,89	S1	
		460	D 60	132	3586	197	0,88	S1	
Eff class IE3		50Hz : IE3 - 96.1%(100%)-96.2%(75%)-95.7%(50%)							
		60Hz : IE3 - 95.7%(100%)							
Resistance			Insulation resistance at 48 °C			Overload			
Line			Ambient: 21 °C			2900 MΩ 1000 V			
U ₁ - V ₁			0,01475 Ω			Torque 160 % 15s			
U ₁ - W ₁			0,01477 Ω						
V ₁ - W ₁			0,01473 Ω						
			High-voltage test winding 1900 V			60 s			
Test		Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]
No load test		400,1 D	50	64,9	1,63			0,04	
Locked rotor test		58,7 D	50	225,1	5,99			0,26	
Thermal test (100% load)		400,3 D	50	225,5	136,2	132,0	2986	0,87	96,9
Partial load points:									
~75% load		400,4 D	50	174,5	102,1	99,0	2990	0,84	97,0
~50% load		400,4 D	50	127,5	68,3	66,0	2993	0,77	96,7
~25% load		400,5 D	50	87,9	34,8	33,0	2997	0,57	94,8
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				56	1		1 Resistance		
Frame :				28	2		2 Thermocouples		
Bearing D-end :				36	2		3 Thermometer		
Ambient Temperature :		25			2				
These tests have been carried out on motor no. 3GP11023383, on date 2011-10-11 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			

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