



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMC 2					
				Product Code: 3GJM351230_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3089 X /					
				IECEX LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	355	2984	350	0,88	S1		
Insul.cl.F	400	D 50	355	2984	605	0,88	S1		
IP66	415	D 50	355	2985	588	0,87	S1		
	440	D 60	355	3584	545	0,89	S1		
	460	D 60	355	3585	527	0,88	S1		
IE3 - 95.8%(100%) - 95.8%(75%) - 95.0%(50%)									
Eff class IE3 IE3 - 95.8%(100%)									
Resistance				Insulation resistance at 46 °C		Overload			
Line Ambient: 20 °C				19000 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁ 0,00355 Ω									
U ₁ - W ₁ 0,00355 Ω									
V ₁ - W ₁ 0,00355 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 [%]
Partial load points 400V:									
~100% load	1136	400,8 D	50	605,4	367,8	355,0	2984	0,88	96,5
~75% load	850,1	401,3 D	50	462,4	276,0	266,3	2988	0,86	96,5
~50% load	568,7	401,8 D	50	329,6	185,2	177,5	2992	0,81	95,8
~25% load	300,5	402,2 D	50	213,9	95,3	88,8	2996	0,64	93,1
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method			
Stator winding :			71	1	1	1 Resistance			
Frame :			31	2	2	2 Thermocouples			
Bearing D-end :			30	2	2	3 Thermometer			
Ambient Temperature :			25	2	2				
<p>These tests have been carried out on motor no. 3GF12135940, on date 2012-12-04 which is identical in 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>									
On behalf of customer									
On behalf of manufacturer		Date of test		4.12.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland					Telephone +358 10 2211 Telefax +358 10 22 47372				

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