



Test Report				Date of issue: 19.11.2015							
				Type: M3JM 315SMD 6							
				Product Code: 3GJM313240-_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	110	994	117	0,83	S1			
Insul.cl.F		400	D 50	110	994	200	0,83	S1			
IP66		415	D 50	110	994	196	0,82	S1			
		440	D 60	110	1194	180	0,84	S1			
		460	D 60	110	1194	175	0,83	S1			
Eff class IE3		50Hz : IE3-95.1%(100%)-95.3%(75%)-95.0%(50%) 60Hz : IE2-95.0%(100%)									
Resistance				Insulation resistance at 46 °C			Overload				
Line		Ambient: 24 °C		11000 MΩ 1000 V			Torque 160% 15s				
U ₁ - V ₁		0,02570 Ω									
U ₁ - W ₁		0,02572 Ω									
V ₁ - W ₁		0,02571 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]	n[r/min]	cos φ	η [%]		
No load test		400,1 D	50	66,4	1,90		1000	0,04			
Locked rotor test		83,7 D	50	198,0	7,20		0	0,25			
Thermal test (100% load)	1057,0	400,2 D	50	200,3	115,5	110,0	994	0,83	95,3		
Partial load points:											
~75% load	791,7	400,2 D	50	156,1	86,4	82,5	996	0,80	95,5		
~50% load	524,5	400,2 D	50	116,8	57,8	55,0	997	0,71	95,2		
~25% load	264,5	400,2 D	50	85,6	29,7	27,5	999	0,50	92,8		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				54	1			1 Resistance			
Frame :				34	2			2 Thermocouples			
Bearing D-end :				40	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 3GF13172201, on date 2013-08-20 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											
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372					

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