



Test Report				Date of issue: 20.11.2015					
				Type: M3JM 355MLB 6					
				Product Code: 3GJM353420-_DG					
				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	315	992	330	0,83	S1		
Insul.cl.F	400	D 50	315	992	570	0,83	S1		
IP66	415	D 50	315	993	549	0,83	S1		
Eff class IE2 50Hz: IE2 - 95,7%(100%) - 96,0%(75%) - 95,5%(50%)									
Resistance				Insulation resistance at 62 °C		Overload			
Line Ambient: 20 °C				6000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁ 0,00609 Ω									
U ₁ - W ₁ 0,00610 Ω									
V ₁ - W ₁ 0,00610 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		400,0 D	50	198,9	4,77		1000	0,03	
Locked rotor test		75,6 D	50	570,3	23,0		0	0,31	
Thermal test (100% load)	3033	400,5 D	50	572,2	327,8	315,0	992	0,83	96,1
Partial load points:									
~75% load	2278	400,3 D	50	446,3	245,3	236,3	994	0,79	96,3
~50% load	1515	400,2 D	50	333,4	164,2	157,5	996	0,71	95,9
~25% load	755,5	400,2 D	50	243,2	84,0	78,8	998	0,50	93,7
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				67	1	1		Resistance	
Frame :				29	2	2		Thermocouples	
Bearing D-end :				53	2	3		Thermometer	
Ambient Temperature :				25	2				
								Starting current (I _S / I _N) : 6,00	
								Locked rotor torque (T _I / T _N) : 1,75	
These tests have been carried out on motor no. 3GF10019494, on date 2011-04-14, 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	

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