



Test Report				Date of issue: 20.11.2015					
				Type: M3JM 355MLB 8					
				Product Code: 3GJM354420-_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	250	743	274	0,80	S1		
Insul.cl.F	400	D 50	250	743	472	0,80	S1		
IP66	415	D 50	250	743	467	0,78	S1		
Eff class IE2 50Hz: IE2 - 94,5%(100%) - 94,7%(75%) - 94,1%(50%)									
Resistance				Insulation resistance at 45 °C		Overload			
Line Ambient: 22 °C				8000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub> 0,00818 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,00818 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,00818 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[%]
No load test		399,9 D	50	185,8	4,05		750	0,03	
Locked rotor test		87,1 D	50	472,2	14,6		0	0,20	
Thermal test (100% load)	3213	400,3 D	50	469,7	262,9	250,0	743	0,81	95,1
Partial load points:									
~75% load	2401	400,3 D	50	370,9	196,4	187,5	745	0,76	95,5
~50% load	1615	400,3 D	50	282,9	131,2	125,0	747	0,67	95,3
~25% load	794,5	400,3 D	50	214,5	67,1	62,5	748	0,45	93,2
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				63	1	1 Resistance		2 Thermocouples	
Frame :				34	2	3 Thermometer			
Bearing D-end :				49	2				
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3GF13181760B, on date 2013-11-20, which is identical in design with the above.						Starting current (I <sub>s</sub> / I <sub>N</sub> ) : 6,50		Locked rotor torque (T <sub>L</sub> / T <sub>N</sub> ) : 1,31	
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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