



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355SMB 2						
				Product Code: 3GJM351220-_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	315	2980	308	0,89	S1		
Insul.cl.F		400	D 50	315	2980	529	0,89	S1		
IP66		415	D 50	315	2982	512	0,89	S1		
		440	D 60	315	3582	486	0,89	S1		
		460	D 60	315	3583	465	0,89	S1		
Eff class IE3		50Hz : IE3-95.8%(100%)-95.7%(75%)-95.0%(50%) 60Hz : IE3-95.8%(100%)								
Resistance				Insulation resistance at 46,0 °C				Overload		
Line		Ambient: 21,0 °C		20000 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>		0,00439 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,00440 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,00438 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	124,7	5,73		3000	0,07		
Locked rotor test		66,1 D	50	533,0	16,3		0	0,27		
Thermal test (100% load)	1009	400,4 D	50	529,4	327,5	315,0	2980	0,89	96,2	
Partial load points:										
~75% load	755,5	400,6 D	50	404,0	245,7	236,3	2986	0,88	96,1	
~50% load	501,0	400,8 D	50	287,1	164,9	157,5	2991	0,83	95,5	
~25% load	254,5	400,9 D	50	184,7	84,9	78,8	2996	0,66	92,8	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				67	1			1 Resistance		
Frame :				31	2			2 Thermocouples		
Bearing D-end :				50	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF10045532, on date 2011-02-17 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p style="text-align: right;">Telephone +358 10 2211 Telefax +358 10 22 47372</p>										

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