



Test Report				Date of issue: 20.11.2015						
				Type: M3JM 400LB 6		Product Code: 3GJM403520-_DG				
				Protection type: Ex d I Mb		Cert. No.: LCIE 10 ATEX 3004 X /		IECEX LCI 04.0032X		
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	450	994	475	0,82	S1		
Insul.cl.F		400	D 50	450	994	819	0,82	S1		
IP66		415	D 50	450	994	804	0,81	S1		
Resistance				Insulation resistance at 37 °C			Overload			
Line		Ambient: 23 °C		14000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,00280 Ω								
U ₁ - W ₁		0,00280 Ω								
V ₁ - W ₁		0,00280 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		400,1 D	50	310,9	6,95		1000	0,03		
Locked rotor test		71,9 D	50	818,9	28,9		0	0,28		
Thermal test (100% load)	4323	401,0 D	50	818,9	468,4	450,0	993	0,83	96,1	
Partial load points:										
~75% load	3241	400,9 D	50	640,3	350,8	337,5	995	0,79	96,2	
~50% load	2162	401,5 D	50	481,5	234,8	225,0	997	0,70	95,8	
~25% load	1082	400,6 D	50	354,7	120,2	112,5	999	0,49	93,6	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				77	1			1 Resistance		
Frame :				52	2			2 Thermocouples		
Bearing D-end :				47	2			3 Thermometer		
Ambient Temperature :				25	2					
These tests have been carried out on motor no. 3GF12128249B, on date 2012-10-05, which is identical in design with the above.						Starting current (I _s / I _N) : 6,81				
						Locked rotor torque (T _L / T _N) : 2,55				
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				
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