



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315MLB 2					
				Product Code: 3GJM311420-DK					
				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	200	2983	194	0,90	S1	
Insul.cl.F		400	D 50	200	2983	333	0,90	S1	
IP66		660	Y 50	200	2980	203	0,90	S1	
		380	D 50	200	2980	352	0,90	S1	
		415	D 50	200	2983	322	0,90	S1	
		460	D 60	200	3584	290	0,90	S1	
Eff class IE3		50Hz : IE3 - 96.4%(100%)-96.8%(75%)-96.8%(50%)							
		60Hz : IE3 - 96.1%(100%)							
Resistance				Insulation resistance at 38 °C		Overload			
Line		Ambient: 22 °C		5700 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,00922 Ω							
U ₁ - W ₁		0,00924 Ω							
V ₁ - W ₁		0,00921 Ω							
				High-voltage test winding 1900 V		60 s			
Test		Line		Input		Output			
		U[V]	f[Hz]	I[A]	P1 [kW]	P2 [kW]	cos φ	η [%]	
No load test		400 D	50	74,6	1,73		0,03		
Locked rotor test		68,8 D	50	333,4	10,7		0,27		
Thermal test (100% load)		400,6 D	50	333,4	206,0	200,0 2983	0,89	97,1	
Partial load points:									
~75% load		400,6 D	50	253,3	154,1	150,0 2988	0,88	97,4	
~50% load		400,7 D	50	178,4	102,8	100,0 2992	0,83	97,3	
~25% load		400,8 D	50	113,1	52,0	50,0 2997	0,66	96,2	
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
		Stator winding :		69	1	1 Resistance			
		Frame :		37	2	2 Thermocouples			
		Bearing D-end :		44	2	3 Thermometer			
		Ambient Temperature :		25	2				
<p>These tests have been carried out on motor no. 3GP11023492, on date 2011-10-14 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>									
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