



Test Report				Date of issue: 19.11.2015															
				Type: M3JM 200MLA 2 Product Code: 3GJM201410-_DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3088X / IECEX LC I 09.0009X															
Rating:																			
		V		Hz		kW		r/min		A		cos φ		Duty					
3-Motor		690		Y		50		30,0		2958		29,6		0,90 S1					
Insul.cl.F		400		D		50		30,0		2958		51,0		0,90 S1					
IP66		660		Y		50		30,0		2952		31,2		0,90 S1					
		380		D		50		30,0		2952		54,1		0,90 S1					
		415		D		50		30,0		2962		49,2		0,90 S1					
		460		D		60		30,0		3563		44,5		0,90 S1					
Eff class IE3		50Hz : IE3-94,2(100%)-94,9(75%)-94,7(50%) 60Hz : IE3-93,5(100%)																	
Resistance				Insulation resistance at 24 °C				Overload											
Line		Ambient: 24 °C		R > 2000 Mohm 1000 V				Torque 160 % 15s											
U ₁ - V ₁		0,11630 Ω																	
U ₁ - W ₁		0,11420 Ω																	
V ₁ - W ₁		0,11750 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				401,1 D		50		12,5		0,56				3000		0,06			
Locked rotor test				71,2 D		50		49,4		2,05				0		0,34			
Thermal test (100% load		96,8		400,0 D		50		51,5		31,8		30,0		2960		0,89		94,3	
Partial load points:																			
~75% load		75,5		400,0 D		50		41,0		24,8		23,5		2970		0,87		94,7	
~50% load		51,0		400,0 D		50		29,2		16,8		15,9		2981		0,83		94,7	
~25% load		26,9		400,0 D		50		19,2		9,08		8,43		2991		0,68		92,8	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :						52		1		1 Resistance									
Frame :						31		2		2 Thermocouples									
Bearing D-end :						25		2		3 Thermometer									
Ambient Temperature :				24				2											
These tests have been carried out on motor no. 3GV1110782965001, on date 2011-09-27 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 AB, LV Motors, 721 70 Västerås, Sweden										Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22									

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