



Test Report				Date of issue: 19.11.2015															
				Type: M3JM 160MLC 2 Product Code: 3GJM161430_-DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3087 X / IECEx LCIE 09.0008X															
Rating:																			
		V		Hz		kW		r/min		A		cos φ		Duty					
3-Motor		690		Y 50		18,5		2942		17,9		0,93		S1					
Insul.cl.F		400		D 50		18,5		2942		30,8		0,93		S1					
IP66		660		Y 50		18,5		2935		18,9		0,93		S1					
		380		D 50		18,5		2935		32,6		0,93		S1					
		415		D 50		18,5		2948		30,0		0,92		S1					
		460		D 60		18,5		3551		26,8		0,93		S1					
Eff class IE3		50Hz : IE3-93,1(100%)-93,9(75%)-93,9(50%) 60Hz : IE3-92,9(100%)																	
Resistance				Insulation resistance at 22 °C				Overload											
Line		Ambient: 21 °C		R > 2000 Mohm 1000 V				Torque 160 % 15s											
U ₁ - V ₁		0,22420 Ω																	
U ₁ - W ₁		0,22340 Ω																	
V ₁ - W ₁		0,22380 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				399,0 D		50		8,07		0,41				3000		0,07			
Locked rotor test				60,0 D		50		32,9		1,34				0		0,39			
Thermal test (100% load		60,0		400,0 D		50		31,6		19,9		18,5		2947		0,91		92,9	
Partial load points:																			
~75% load		44,3		400,0 D		50		23,9		14,7		13,7		2962		0,89		93,5	
~50% load		28,2		400,0 D		50		16,7		9,44		8,80		2976		0,81		93,3	
~25% load		13,9		400,0 D		50		11,1		4,81		4,34		2989		0,62		90,2	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :						50		1		1 Resistance									
Frame :						28		2		2 Thermocouples									
Bearing D-end :						31		2		3 Thermometer									
Ambient Temperature :				22				2											
These tests have been carried out on motor no. 3GV12108464070004, on date 2012-01-18 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																			
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