



Test Report				Date of issue: 23.11.2015							
				Type: M3JM 315MLA 8 Product Code: 3GJM314410-DG Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	110	740	122	0,83	S1	
Insul.cl.F				400	D 50	110	740	211	0,83	S1	
IP66				415	D 50	110	740	206	0,82	S1	
Eff class IE2				50Hz: IE2 - 93,6%(100%) - 93,9%(75%) - 94,0%(50%)							
Resistance				Insulation resistance at 25 °C				Overload			
Line				Ambient: 25 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				0,02923 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,02925 Ω							
V ₁ - W ₁				0,02927 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		400,6 D	50	77,5	2		1500	0,04			
Locked rotor test		93,7 D	50	202,5	8,68		0	0,26			
Thermal test (100% load)	1423	400 D	50	210,7	117,40	110,0	738	0,80	93,7		
Partial load points:											
~75% load	1064	400 D	50	164,8	87,75	82,5	740	0,77	94,0		
~50% load	706,3	400 D	50	124,3	58,47	55,0	744	0,68	94,1		
~25% load	351,8	400 D	50	92,3	29,93	27,5	747	0,47	91,9		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				79	1			1 Resistance			
Frame :				42	2			2 Thermocouples			
Bearing D-end :				54	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75031403008001B, on date 2011-11-07, which is identical in electrical 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>											
On behalf of customer											
On behalf of manufacturer											
Tested by ABB Shanghai Motors, LV Motors, Shanghai, P.R.China							Telephone +86 21 54723133				
							Telefax +86 21 54725009				

Computer print-out valid without signature.