



Test Report				Date of issue: 23.11.2015																																						
				Type: M3JM 355SMB 8 Product Code: 3GJM354220-_DG Protection type: Ex d I Mb Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X																																						
Rating:				<table border="1"> <thead> <tr> <th></th> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>3-Motor</td> <td>690</td> <td>Y 50</td> <td>150</td> <td>744</td> <td>170</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>150</td> <td>744</td> <td>294</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>415</td> <td>D 50</td> <td>150</td> <td>745</td> <td>291</td> <td>0,75</td> <td>S1</td> </tr> </tbody> </table>								V	Hz	kW	r/min	A	cos φ	Duty	3-Motor	690	Y 50	150	744	170	0,77	S1	Insul.cl.F	400	D 50	150	744	294	0,77	S1	IP66	415	D 50	150	745	291	0,75	S1
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Eff class IE4				50Hz: IE4 - 95,5%(100%) - 95,4%(75%) - 95,0%(50%)																																						
Resistance				Insulation resistance at 17 °C			Overload																																			
Line				R > 2000 Mohm 1000 V			Torque 160 % 15s																																			
Ambient: 17 °C U ₁ - V ₁ 0,01429 Ω U ₁ - W ₁ 0,01430 Ω V ₁ - W ₁ 0,01430 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		400,3 D	50	129,8	2,80		750	0,03																																		
Locked rotor test		81,7 D	50	288,4	8,20		0	0,20																																		
Thermal test (100% load)	1926	400 D	50	292,8	157,08	150,00	744	0,77	95,50																																	
Partial load points:																																										
~75% load	1442	400 D	50	235,3	117,90	112,50	745	0,72	95,40																																	
~50% load	958,4	400 D	50	184,8	78,92	75,00	747	0,62	95,00																																	
~25% load	478,5	400 D	50	146,6	40,64	37,50	748	0,40	92,30																																	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																		
Stator winding :				53	1			1 Resistance																																		
Frame :				22	2			2 Thermocouples																																		
Bearing D-end :				32	2			3 Thermometer																																		
Ambient Temperature :				25	2																																					
<p>These tests have been carried out on motor no. 75033778003001B, on date 2011-12-03, 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China</p> <p>Telephone +86 21 54723133 Telefax +86 21 54725009</p>																																										

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