



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>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>690</td> <td>Y 50</td> <td>160</td> <td>744</td> <td>182</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>160</td> <td>744</td> <td>293</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>160</td> <td>745</td> <td>311</td> <td>0,75</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	160	744	182	0,77	S1	400	D 50	160	744	293	0,77	S1	415	D 50	160	745	311	0,75	S1
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3-Motor																																			
Insul.cl.F																																			
IP66																																			
Eff class IE2		50Hz: IE2 - 94,2%(100%) - 94,2%(75%) - 93,2%(50%)																																	
Resistance Line U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				Ambient: 17 °C 0,01429 Ω 0,01430 Ω 0,01430 Ω		Insulation resistance at 17 °C R > 2000 Mohm 1000 V Overload Torque 160 % 15s																													
				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		400,7 D	50	129,4	2,794		750	0,03																											
Locked rotor test		85,8 D	50	307,2	9,31		0	0,20																											
Thermal test (100% load)	2054	400 D	50	308,5	167,71	160,00	744	0,79	95,40																										
Partial load points:																																			
~75% load	1540	400 D	50	245,8	125,84	120,00	744	0,74	95,40																										
~50% load	1024	400 D	50	191,0	84,26	80,00	746	0,64	94,90																										
~25% load	510,7	400 D	50	148,3	43,22	40,00	748	0,42	92,60																										
Temperature rise at rated load.				[°C] [K] Method Stator winding : 58 1 Frame : 23 2 Bearing D-end : 35 2 Ambient Temperature : 25 2		Measurement method 1 Resistance 2 Thermocouples 3 Thermometer																													
These tests have been carried out on motor no. 75033778003001A, on date 2011-12-03, 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 Shanghai Motors , LV Motors, Shanghai,P.R.China					Telephone +86 21 54723133 Telefax +86 21 54725009																														

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