



Test Report				Date of issue: 19.11.2015																																																						
				Type: M3JM 315MLA 2																																																						
				Product Code: 3GJM311410-DL																																																						
				Protection type: Ex d I Mb																																																						
				Cert. No.: LCIE 11 ATEX 3090 X /																																																						
				IECEX LCI 04.0007X																																																						
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>200</td> <td>2983</td> <td>199</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>200</td> <td>2983</td> <td>342</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>415</td> <td>D 50</td> <td>200</td> <td>2984</td> <td>333</td> <td>0,87</td> <td>S1</td> </tr> <tr> <td></td> <td>440</td> <td>D 60</td> <td>200</td> <td>3584</td> <td>308</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td>Eff class IE3</td> <td>460</td> <td>D 60</td> <td>200</td> <td>3585</td> <td>298</td> <td>0,88</td> <td>S1</td> </tr> </tbody> </table>												V	Hz	kW	r/min	A	cos φ	Duty	3-Motor	690	Y 50	200	2983	199	0,88	S1	Insul.cl.F	400	D 50	200	2983	342	0,88	S1	IP66	415	D 50	200	2984	333	0,87	S1		440	D 60	200	3584	308	0,89	S1	Eff class IE3	460	D 60	200	3585	298	0,88	S1
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50Hz : IE3-95.8%(100%)-95.8%(75%)-95.3%(50%) 60Hz : IE3-95.8%(100%)																																																										
Resistance				Insulation resistance at 71 °C				Overload																																																		
Line Ambient: 23 °C				3200 MΩ 1000 V				Torque 160 % 15 s																																																		
U <sub>1</sub> - V <sub>1</sub> 0,00876 Ω																																																										
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				High-voltage test winding 1900 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		400,0 D	50	85,2	3,42		3000	0,06																																																		
Locked rotor test		60,2 D	50	337,1	10,4		0	0,30																																																		
Thermal test (100% load)	640,3	400,6 D	50	343,5	208,4	200,0	2984	0,88	96,0																																																	
Partial load points:																																																										
~75% load	479,4	400,7 D	50	263,7	156,2	150,0	2988	0,86	96,0																																																	
~50% load	319,0	400,9 D	50	189,5	104,7	100,0	2993	0,80	95,6																																																	
~25% load	159,3	401,1 D	50	125,8	53,7	50,0	2997	0,62	93,0																																																	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																																		
Stator winding :				73	1			1 Resistance																																																		
Frame :				35	2			2 Thermocouples																																																		
Bearing D-end :				47	2			3 Thermometer																																																		
Rotor:				89	3																																																					
Ambient Temperature :				25	2																																																					
<p>These tests have been carried out on motor no. 3GZF13169082, on date 2013-08-18 which is identical in 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 Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211            Telefax +358 10 22 47372</p>																																																										

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