



Test Report				Date of issue: 19.11.2015																																																							
Customer:				Type: M3JM 315LKA 6 Product Code: 3GJM313810_DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3090 X / IECEX LCI 04.0007X																																																							
Customer ref.:																																																											
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>132</td> <td>993</td> <td>141</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>132</td> <td>993</td> <td>243</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>660</td> <td>Y 50</td> <td>132</td> <td>992</td> <td>146</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>380</td> <td>D 50</td> <td>132</td> <td>992</td> <td>254</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>132</td> <td>994</td> <td>238</td> <td>0,81</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>132</td> <td>1194</td> <td>215</td> <td>0,81</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	132	993	141	0,82	S1	400	D 50	132	993	243	0,82	S1	660	Y 50	132	992	146	0,83	S1	380	D 50	132	992	254	0,83	S1	415	D 50	132	994	238	0,81	S1	460	D 60	132	1194	215	0,81	S1
V	Hz	kW	r/min	A	cos φ	Duty																																																					
690	Y 50	132	993	141	0,82	S1																																																					
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415	D 50	132	994	238	0,81	S1																																																					
460	D 60	132	1194	215	0,81	S1																																																					
Eff class IE3				50Hz : IE3 - 95.9%(100%)-96.2%(75%)-96.1%(50%) 60Hz : IE3 - 96.1%(100%)																																																							
Resistance				Ambient: 21,5 °C Insulation resistance at 38 °C 2700 MΩ 1000 V																																																							
Line				U ₁ - V ₁ 0,01751 Ω U ₁ - W ₁ 0,01751 Ω V ₁ - W ₁ 0,01753 Ω																																																							
				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	94,2	1,63		1000	0,03																																																			
Locked rotor test		77,1 D	50	238,7	8,68		0	0,27																																																			
Thermal test (100% load)	1269,0	400,1 D	50	242,9	136,9	132,0	993	0,81	96,4																																																		
Partial load points:																																																											
~75% load	953,0	400,1 D	50	191,7	102,5	99,0	995	0,77	96,6																																																		
~50% load	634,5	400,1 D	50	146,5	68,5	66,0	997	0,67	96,4																																																		
~25% load	317,2	400,2 D	50	111,6	34,9	33,0	999	0,45	94,7																																																		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																																			
Stator winding :				40	1	1		Resistance																																																			
Frame :				22	2	2		Thermocouples																																																			
Bearing D-end :				34	2	3		Thermometer																																																			
Ambient Temperature :				25	2																																																						
<p>These tests have been carried out on motor no. 3GP11023633, on date 2011-10-20 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>																																																											
On behalf of customer																																																											
On behalf of manufacturer																																																											
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