



Test Report					Date of issue: 5.6.2014																																																												
					Serial No.: 3GF10023010																																																												
					Type: M3KP 355SMC 2 IMB3/IM1001 Product Code: 3GKP351230-ADG Protection type: Ex de IIB T4 Gb 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>355</td> <td>2984</td> <td>350</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>355</td> <td>2984</td> <td>604</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>IP55</td> <td>660</td> <td>Y 50</td> <td>355</td> <td>2981</td> <td>364</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td></td> <td>380</td> <td>D 50</td> <td>355</td> <td>2981</td> <td>632</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td></td> <td>415</td> <td>D 50</td> <td>355</td> <td>2985</td> <td>582</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td></td> <td>440</td> <td>D 60</td> <td>410</td> <td>3580</td> <td>628</td> <td>0,89</td> <td>S1</td> </tr> </tbody> </table>											V	Hz	kW	r/min	A	cos φ	Duty	3~Motor	690	Y 50	355	2984	350	0,88	S1	Insul.cl.F	400	D 50	355	2984	604	0,88	S1	IP55	660	Y 50	355	2981	364	0,89	S1		380	D 50	355	2981	632	0,89	S1		415	D 50	355	2985	582	0,88	S1		440	D 60	410	3580	628	0,89	S1
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					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		400,0 D	50	149,3	5,91		3000	0,06																																																									
Locked rotor test		62,5 D	50	603,6	17,6		0	0,27																																																									
Thermal test (100% load)	1136,0	400,3 D	50	605,5	366,2	355,0	2985	0,87	96,9																																																								
Partial load points:																																																																	
~75% load	852,0	400,2 D	50	464,2	275,1	266,3	2989	0,86	96,8																																																								
~50% load	567,0	400,2 D	50	332,2	184,7	177,5	2993	0,80	96,1																																																								
~25% load	284,5	400,2 D	50	217,1	95,0	88,8	2997	0,63	93,4																																																								
Temperature rise at rated load. <table border="1"> <thead> <tr> <th></th> <th>[°C]</th> <th>[K]</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Stator winding :</td> <td></td> <td>70,4</td> <td>1</td> </tr> <tr> <td>Frame :</td> <td></td> <td>31,3</td> <td>2</td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td>54,8</td> <td>2</td> </tr> <tr> <td>Ambient Temperature :</td> <td>25,0</td> <td></td> <td>2</td> </tr> </tbody> </table>											[°C]	[K]	Method	Stator winding :		70,4	1	Frame :		31,3	2	Bearing D-end :		54,8	2	Ambient Temperature :	25,0		2																																				
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Measurement method 1 Resistance 2 Thermometer 3 Thermocouples																																																																	
Starting current (I _S / I _N) : 7,43 Locked rotor torque (T _I / T _N) : 2,64																																																																	
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 Date of test 20.4.2010																																																																	
Tested by ABB Oy, Motors and Generators, Vaasa, Finland																																																																	
Telephone +358 10 2211 Telefax +358 10 22 47372																																																																	

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