



Test Report				Date of issue: 11.6.2014																																
				Serial No.: 3GP11019357																																
				Type: M3GP 355SMA 6 B3 Product Code: 3GGP353210-ADG Protection type: Ex nA IIC T3 Gc Cert. No.: LCIE 12 ATEX 1008X IECEx LCI 07.0001X																																
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>400</td> <td>D</td> <td>50</td> <td>150</td> <td>994</td> <td>274</td> <td>0,83 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>150</td> <td>994</td> <td>271</td> <td>0,81 S1</td> </tr> <tr> <td>690</td> <td>Y</td> <td>50</td> <td>150,0</td> <td>993</td> <td>159</td> <td>0,83 S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	400	D	50	150	994	274	0,83 S1	415	D	50	150	994	271	0,81 S1	690	Y	50	150,0	993	159	0,83 S1
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3~Motor Insul.cl.F IP55																																				
Eff class IE2		400 V 50Hz : IE2 - 95.4(100%) - 95.4(75%) - 94,8(50%)																																		
Resistance Line		Ambient: 20,0 °C U ₁ - V ₁ 0,01260 Ω U ₁ - W ₁ 0,01261 Ω V ₁ - W ₁ 0,01260 Ω		Insulation resistance at 32,0 °C 14000 MΩ 1000 V																																
				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	95,5	2,85		1000	0,04																												
Locked rotor test		78,3 D	50	273,0	9,84		0	0,27																												
Thermal test (100% load)	1443,0	401,2 D	50	274,7	157,0	150,0	993	0,83	95,5																											
Partial load points:																																				
~75% load	1083,3	401,6 D	50	214,4	117,7	112,5	995	0,79	95,6																											
~50% load	722,9	401,9 D	50	160,6	78,9	75,0	997	0,71	95,1																											
~25% load	367,4	402,1 D	50	117,3	40,6	37,5	999	0,50	92,3																											
Temperature rise at rated load.		[°C]		[K]	Method	Measurement method																														
Stator winding :		51,8		1	1 Resistance																															
Frame :		28,7		2	2 Thermometer																															
Bearing D-end :		34,3		2	3 Thermocouples																															
Ambient Temperature :		25,0		2																																
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		28.10.2011																																
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372																												

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