



<b>Test Report</b>				Date of issue: 28.8.2013					
				Serial No.: 3GF11094430					
				Type: M3GP 250SMA 6 IMB3/IM1001					
				Product Code: 3GGP253210-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X IECEX LCIE 13.0047X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y	50	37	987	41	0,81	S1
Insul.cl.F		400	D	50	37	987	70,8	0,81	S1
IP55		415	D	50	37	988	68,2	0,81	S1
Eff class IE2		50Hz : IE2 - 93.1(100%) - 93.4(75%) - 92.8(50%)							
Resistance		Ambient: 19,0 °C		Insulation resistance at 38,0 °C		Overload			
Line				4300 MΩ		1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,12436 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,12432 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,12433 Ω							
				High-voltage test winding		2900 V		1 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	25,9	0,86		1000	0,05	
Locked rotor test		85,7 D	50	70,8	4,14		0	0,39	
Thermal test ( 100% load )	358,0	400,0 D	50	70,0	40,0	37,0	987	0,82	92,6
Partial load points:									
~75% load	268,6	400,1 D	50	54,4	29,9	27,8	989	0,79	93,0
~50% load	178,9	400,1 D	50	40,7	19,9	18,5	994	0,71	92,9
~25% load	89,4	400,1 D	50	30,0	10,3	9,3	997	0,49	90,1
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				62,4	1		1 Resistance		
Frame :				40,9	2		2 Thermometer		
Bearing D-end :				46,4	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		5.2.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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