



Type Test Report				Date of issue: 11.6.2014					
				Serial No.: 3GP11024793					
				Order No.: 596095-10 / 30166847-1					
				Type: M3GP 315SMA 2 B3					
				Product Code: 3GGP353210-ADG					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 12 ATEX 1008X					
				IECEX LCI 07.0001X					
Rating:									
3-Motor		V	Hz	kW	r/min	A	cos φ	Duty	
Insul.cl.F		400	D 50	110	2982	194	0,86	S1	
IP55									
Resistance			Ambient: 22,0 °C		Insulation resistance at 59,5 °C		Overload		
Line			MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>			0,01658 Ω						
U <sub>1</sub> - W <sub>1</sub>			0,01655 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,01657 Ω						
				High-voltage test winding		1900 V		60 s	
Test	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	62,0	3,29			0,08	
Locked rotor test	62,7	D	50	194,0	5,47		0	0,26	
Thermal test (100% load)	400,0	D	50	196,9	115,8	110,0	2984	0,85	95,0
Partial load points:									
~75% load	400,7	D	50	153,8	87,2	82,5	2989	0,82	94,6
~50% load	400,8	D	50	114,6	58,9	55,0	2993	0,74	93,3
~25% load	401,0	D	50	81,9	31,0	27,5	2997	0,55	88,8
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			56,3	1			1 Resistance		
Frame :			26,5	2			2 Thermometer		
Bearing D-end :			34,2	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		2.11.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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