



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:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				400	D	50	160	993	291	0,83	S1
Insul.cl.F				415	D	50	160	994	284	0,82	S1
IP55				690	Y	50	160	993	169	0,83	S1
Eff class IE2				400 V 50Hz : IE2 - 95.4(100%) - 95.4(75%) - 94,8(50%)							
Resistance				Ambient: 20,0 °C			Insulation resistance at 32,0 °C				
Line							14000 MΩ		1000 V		
U <sub>1</sub> - V <sub>1</sub>				0,01260 Ω							
U <sub>1</sub> - W <sub>1</sub>				0,01261 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01260 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	95,5	2,85		1000	0,04			
Locked rotor test		83,0 D	50	292,8	11,4		0	0,27			
Thermal test (100% load)	1539,0	401,3 D	50	292,0	167,7	160,0	993	0,83	95,4		
Partial load points:											
~75% load	1152,9	401,5 D	50	225,7	125,6	120,0	995	0,80	95,6		
~50% load	767,2	401,7 D	50	166,8	84,1	80,0	997	0,73	95,2		
~25% load	392,1	402,0 D	50	119,0	43,2	40,0	998	0,52	92,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				54,5	1	1		1 Resistance			
Frame :				29,7	2	2		2 Thermometer			
Bearing D-end :				40,3	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		27.10.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211		
							Telefax		+358 10 22 47372		

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