



Type Test Report				Date of issue: 6.6.2014							
Customer:				Serial No.: 3GP11020768							
Customer ref.:				Order No.: 596095-30 / 30160173-1							
				Type: M3JP 355SMA 2 B3							
				Product Code: 3GJP351210-ADG							
				Protection: Ex d IIB T4 Gb							
				Certification: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor Insul.cl.F IP55				400	D 50	250,0	2984	425	0,89	S1	
Resistance Line				Ambient: 20,0 °C				Insulation resistance at 49,5 °C		Overload	
U ₁ - V ₁				0,00471 Ω				1500 MΩ		1000 V	
U ₁ - W ₁				0,00472 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,00472 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 D	50	106,2	5,133		3000	0,0698			
Locked rotor test		59,6 D	50	424,9	10,41		0	0,2374			
Thermal test (100% load)	800,1	400,3 D	50	422,4	259,07	250,00	2985	0,89	96,50		
Partial load points:											
~75% load	602,3	400,3 D	50	325,1	194,81	187,50	2990	0,87	96,20		
~50% load	398,7	400,4 D	50	233,7	131,10	125,00	2993	0,81	95,30		
~25% load	199,2	400,4 D	50	153,8	67,88	62,50	2997	0,64	92,10		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				50,6	1			1 Resistance			
Frame :				21,8	2			2 Thermometer			
Bearing D-end :				36,9	2			3 Thermocouples			
Ambient Temperature :				25	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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