



Type Test Report				Date of issue: 4.6.2014					
Customer:				Serial No.: 3GP11021981					
				Order No.: 596095-20 / 30162790-1					
Customer ref.:				Type: M3JP 315SMC 2 B3					
				Product Code: 3GJP311230-ADG					
Rating:				Protection type: Ex d IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X					
3-Motor Insul.cl.F IP55		V	Hz	kW	r/min	A	cos φ	Duty	
		400 D	50	150	2983	257	0,89	S1	
Resistance		Ambient: 21,5 °C		Insulation resistance at 41 °C		Overload			
Line				12000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,01074 Ω							
U ₁ - W ₁		0,01070 Ω							
V ₁ - W ₁		0,01074 Ω							
				High-voltage test winding 1800 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	65,7	3,51		3000	0,08	
Locked rotor test		62,2 D	50	257,0	7,48		0	0,27	
Thermal test (100% load)	480,2	400,7 D	50	258,8	156,9	150,0	2985	0,88	95,6
Partial load points:									
~75% load	364,0	400,8 D	50	198,8	118,0	112,5	2989	0,86	95,4
~50% load	237,3	401,0 D	50	143,0	79,4	75,0	2993	0,80	94,4
~25% load	121,7	401,1 D	50	95,0	41,3	37,5	2997	0,63	90,8
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				58,5	1		1 Resistance		
Frame :				27,0	2		2 Thermometer		
Bearing D-end :				38,7	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		4.11.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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