



Test Report				Date of issue: 10.6.2014					
				Serial No.: 3GP11023670					
				Order No.: 596143-10 / 30165272-1					
				Type: M3GP 315MLA 2 B3					
				Product Code: 3GGP311410-ADG					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 12 ATEX 1008X IECEX LCI 07.0001X					
Rating:									
3~Motor Insul.cl.F IP55		V	Hz	kW	r/min	A	cos φ	Duty	
		400	D 50	185	2982	314	0,89	S1	
Resistance		Ambient: 20,5 °C		Insulation resistance at 61,0 °C		Overload			
Line				2300 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>		0,00832 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,00830 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,00832 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		400,1 D	50	70,1	3,65		3000	0,08	
Locked rotor test		64,2 D	50	314,1	9,95		0	0,28	
Thermal test (100% load)	592,5	400,8 D	50	313,7	192,9	185,0	2984	0,89	95,9
Partial load points:									
~75% load	444,0	400,9 D	50	239,3	144,8	138,8	2988	0,87	95,8
~50% load	292,5	401,1 D	50	169,7	97,3	92,5	2993	0,83	95,1
~25% load	145,2	401,2 D	50	108,8	50,2	46,3	2997	0,67	92,1
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				65,6	1		1 Resistance		
Frame :				32,9	2		2 Thermometer		
Bearing D-end :				42,0	2		3 Thermocouples		
Rotor :				79,2	3				
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		18.1.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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