



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GP11023670					
				Order No.: 596143-10 / 30165272-1					
				Type: M3KP 315MLA 2 B3					
				Product Code: 3GKP311410-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X					
Rating:									
3~Motor		V	Hz	kW	r/min	A	cos φ	Duty	
Insul.cl.F		400	D 50	185	2982	314	0,89	S1	
IP55									
Resistance			Ambient: 20,5 °C		Insulation resistance at 61,0 °C		Overload		
Line					2300 MΩ 1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,00832 Ω						
U ₁ - W ₁			0,00830 Ω						
V ₁ - W ₁			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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