



Test Report				Date of issue: 10.6.2014							
				Serial No.: 3GF10042219							
				Type: M3GP 315MLA 6 IMB3/IM1001							
				Product Code: 3GGP313410-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	132	991	240	0,83	S1		
Insul.cl.F		415	D	50	132	992	234	0,82	S1		
IP55		690	Y	50	132	991	139	0,83	S1		
Eff class IE2		400 V 50Hz : IE2 - 95.3(100%) - 95.4(75%) - 94,9(50%)									
Resistance Line				Insulation resistance at 54,5 °C				Overload			
Ambient: 21,0 °C				2500 MΩ				1000 V			
U ₁ - V ₁				0,01919 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,01920 Ω							
V ₁ - W ₁				0,01919 Ω							
				High-voltage test winding				2400 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	85,7	2,14		1000	0,04			
Locked rotor test		75,9 D	50	242,8	9,77		0	0,31			
Thermal test (100% load)	1272,0	400,1 D	50	239,4	138,4	132,0	991	0,83	95,4		
Partial load points:											
~75% load	954,9	400,7 D	50	187,4	103,4	99,0	994	0,80	95,7		
~50% load	636,0	400,1 D	50	141,2	69,1	66,0	997	0,71	95,5		
~25% load	320,7	400,5 D	50	104,6	35,4	33,0	999	0,49	93,2		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
		Stator winding :		55,0	1			1 Resistance			
		Frame :		37,6	2			2 Thermometer			
		Bearing D-end :		37,7	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			6.10.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211		
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