



Test Report				Date of issue: 5.6.2014					
				Serial No.: 3GF10042219					
				Type: M3KP 315MLA 6 IMB3/IM1001					
				Product Code: 3GKP313410-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X					
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		Ambient: 21,0 °C			Insulation resistance at 54,5 °C		Overload		
U ₁ - V ₁		0,01919 Ω			2500 MΩ		1000 V		
U ₁ - W ₁		0,01920 Ω					Torque 160 % 15s		
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		Telefax +358 10 22 47372	

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