



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF10029224							
				Type: M3KP 315SMA 6 IMB3/IM1001							
				Product Code: 3GKP313210-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	75	992	139	0,82	S1	
Insul.cl.F				415	D 50	75	992	140	0,79	S1	
IP55				690	Y 50	75	992	81	0,82	S1	
400 V 50Hz : IE2 - 94.4(100%) - 94.4(75%) - 93.5(50%)											
Resistance Line				Ambient: 25,5 °C				Insulation resistance at 51,5 °C		Overload	
U ₁ - V ₁				0,04214 Ω				21000 MΩ		1000 V	
U ₁ - W ₁				0,04216 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,04209 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	55,1	1,92		1000	0,05			
Locked rotor test		79,4 D	50	141,1	5,54		0	0,29			
Thermal test (100% load)	722,0	400,1 D	50	141,4	79,6	75,0	994	0,81	94,2		
Partial load points:											
~75% load	539,2	400,1 D	50	111,8	59,6	56,3	997	0,77	94,4		
~50% load	358,8	400,0 D	50	85,9	40,1	37,5	998	0,67	93,6		
~25% load	179,2	400,1 D	50	65,7	20,8	18,8	1000	0,46	90,0		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				55,2	1			1 Resistance			
Frame :				31,9	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				8.7.2010			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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