



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF10021103							
				Type: M3KP 315SMA 8 IMB3/IM1001							
				Product Code: 3GKP314210-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	55	742	106	0,81	S1	
Insul.cl.F				415	D 50	55	743	104	0,79	S1	
IP55				690	Y 50	55	742	60	0,81	S1	
400 V 50Hz : 93.4(100%) - 93.5(75%) - 92.7(50%)											
Resistance Line				Ambient: 20,0 °C				Insulation resistance at 43,0 °C		Overload	
U ₁ - V ₁				0,06709 Ω				21000 MΩ		1000 V	
U ₁ - W ₁				0,06722 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,06707 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	42,7	1,38		750	0,05			
Locked rotor test		88,1 D	50	104,1	3,64		0	0,23			
Thermal test (100% load)	707,9	400,1 D	50	106,1	58,9	55,0	742	0,80	93,3		
Partial load points:											
~75% load	528,0	400,1 D	50	83,9	44,0	41,3	746	0,76	93,8		
~50% load	350,7	400,1 D	50	64,7	29,5	27,5	748	0,66	93,3		
~25% load	175,0	400,1 D	50	49,7	15,3	13,8	749	0,44	90,0		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				44,1	44,1	1		1 Resistance			
Frame :				25,7	25,7	2		2 Thermometer			
Bearing D-end :				29,7	29,7	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				4.5.2010			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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