



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF10051625							
				Type: M3KP 315SMA 4 IMB3/IM1001							
				Product Code: 3GKP312210-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 Insul.cl.F IP55				400	D 50	110	1487	194	0,86	S1	
Resistance				Ambient: 20,0 °C				Insulation resistance at 51,0 °C		Overload	
Line				U <sub>1</sub> - V <sub>1</sub> U <sub>1</sub> - W <sub>1</sub> V <sub>1</sub> - W <sub>1</sub>				31000 MΩ 1000 V		Torque 160 % 15s	
				0,02024 Ω 0,02022 Ω 0,02023 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	61,7	2,09		1500	0,05			
Locked rotor test		74,6 D	50	194,1	7,13		0	0,28			
Thermal test (100% load)	706,5	400,4 D	50	195,7	115,5	110,0	1489	0,85	95,2		
Partial load points:											
~75% load	531,1	400,2 D	50	152,3	86,6	82,5	1491	0,82	95,3		
~50% load	352,5	400,5 D	50	112,5	58,0	55,0	1494	0,74	94,9		
~25% load	174,3	400,0 D	50	79,8	29,8	27,5	1498	0,54	92,2		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					54,8	1		1 Resistance			
Frame :					24,6	2		2 Thermometer			
Bearing D-end :					38,2	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		16.11.2010						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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