



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094417					
				Type: M3KP 225SMA 8 IMB3/IM1001					
				Product Code: 3GKP224210-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3057X / IECEx LCI 04.0005X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	18,5	734	23,2	0,74	S1		
Insul.cl.F	400	D 50	18,5	734	40	0,74	S1		
IP55	415	D 50	18,5	735	39,7	0,72	S1		
Resistance			Ambient: 21,5 °C		Insulation resistance at 40,0 °C		Overload		
Line			1900 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>	0,34960 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,35000 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,34970 Ω								
				High-voltage test winding 2900 V		1 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		400,1 D	50	19,2	0,61		750	0,05	
Locked rotor test		107,7 D	50	40,1	2,31		0	0,31	
Thermal test (100% load)	240,7	400,1 D	50	39,2	20,4	18,5	735	0,75	90,5
Partial load points:									
~75% load	180,4	400,1 D	50	31,9	15,2	13,9	739	0,69	91,2
~50% load	120,4	400,1 D	50	25,7	10,2	9,25	743	0,57	90,7
~25% load	60,1	400,0 D	50	21,1	5,34	4,62	747	0,37	86,6
Temperature rise at rated load.			°C	[K]	Method		Measurement method		
Stator winding :			60,7	60,7	1		1 Resistance		
Frame :			36,4	36,4	2		2 Thermometer		
Bearing D-end :			39,3	39,3	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	11.3.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone	+358 10 2211		
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