



Test Report				Date of issue: 4.6.2014						
				Serial No.: 3GF12103382						
				Type: M3KP 225SMB 6 IMB3/IM1001						
				Product Code: 3GKP223220-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	30	985	33,2	0,82	S1			
Insul.cl.F	400	D 50	30	985	57,2	0,82	S1			
IP55	415	D 50	30	986	55,8	0,81	S1			
Eff class IE2										
50Hz : IE2 - 92.2(100%) - 92.6(75%) - 92.2(50%)										
Resistance Line			Ambient: 21,5 °C			Insulation resistance at 32,5 °C		Overload		
U ₁ - V ₁			0,16727 Ω			6000 MΩ		1000 V		Torque 160 % 15s
U ₁ - W ₁			0,16729 Ω							
V ₁ - W ₁			0,16750 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		400,0 D	50	24,0	0,83		998	0,05		
Locked rotor test		85,0 D	50	57,2	3,44		0	0,41		
Thermal test (100% load)	290,9	400,0 D	50	57,9	32,6	30,0	984	0,81	92,1	
Partial load points:										
~75% load	218,1	400,0 D	50	45,5	24,3	22,5	988	0,77	92,6	
~50% load	145,4	400,1 D	50	34,7	16,3	15,0	993	0,68	92,3	
~25% load	72,6	400,0 D	50	26,5	8,45	7,50	996	0,46	88,8	
Temperature rise at rated load.										
		[°C]		[K]		Method		Measurement method		
Stator winding :		69,4		1		1		Resistance		
Frame :		38,9		2		2		Thermometer		
Bearing D-end :		48,8		2		2		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			24.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372				

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